

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

(Mark One)

Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

For the Fiscal Year Ended December 31, 2025

Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

For the transition period from _____ to _____

Commission File Number: 001-39070

MONOPAR THERAPEUTICS INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

32-0463781

(I.R.S. employer identification number)

1000 Skokie Blvd., Suite 350, Wilmette, IL

(Address of principal executive offices)

60091

(zip code)

(847) 388-0349

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class

Common stock, \$0.001 par value

Trading Symbol(s)

MNPR

Name of each exchange on which registered

The Nasdaq Stock Market LLC
(Nasdaq Capital Market)

Securities registered pursuant to section 12(g) of the Act: **None**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

State the aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter. The aggregate market value of the voting and non-voting common stock held by non-affiliates of the registrant as of June 30, 2025, was \$155,527,932 based on the closing price reported for such date on the Nasdaq Capital Market.

The number of shares outstanding with respect to each of the classes of our common stock, as of March 17, 2026, is set forth below:

| <u>Class</u> | <u>Number of shares outstanding</u> |
|--|-------------------------------------|
| <u>Common stock, par value \$0.001 per share</u> | <u>6,692,140</u> |

The documents incorporated by reference are as follows: portions of the Registrant's Proxy Statement for its 2026 annual meeting of stockholders are incorporated by reference into Part III.

MONOPAR THERAPEUTICS INC.
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Forward-Looking Statements

This Annual Report on Form 10-K contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Act”), and Section 21E of the Securities Exchange Act of 1934, as amended. All statements other than statements of historical facts included in this Annual Report on Form 10-K are forward-looking statements. The words “hopes,” “believes,” “anticipates,” “plans,” “seeks,” “estimates,” “projects,” “expects,” “intends,” “may,” “could,” “should,” “would,” “will,” “continue,” and similar expressions are intended to identify forward-looking statements. The following uncertainties and factors, among others, could affect future performance and cause actual results to differ materially from those matters expressed in or implied by forward-looking statements:

- our ability to raise sufficient funds in order for us to support continued clinical, regulatory and commercial development of our programs and to make contractual future milestone payments, as well as our ability to further raise additional funds in the future to support any existing or future product candidate programs through completion of clinical trials, approval processes and, if applicable, commercialization;
- our ability to raise funds on acceptable terms;
- our ability to find a suitable pharmaceutical partner or partners to further our development efforts, under acceptable financial terms;
- risks and uncertainties associated with our or any development partners’ research and development activities, including preclinical studies, clinical trials, regulatory submissions, and manufacturing and quality expenses;
- known and unknown risks associated with developing copper-chelating therapies and radiopharmaceutical therapeutics and imaging agents;
- the uncertainty of timeframes for our clinical trials and regulatory reviews for approval to market products;
- uncertainties related to the regulatory processes related to ALXN1840 and the outcome(s) thereof;
- potential delays and/or additional significant expenses related to developing and filing a New Drug Application (“NDA”) for ALXN1840;
- the uncertain impacts of U.S. government shutdowns and potential future shutdowns on the timing of regulatory processes, including with respect to the NDA we plan to submit for ALXN1840;
- our ability to address the fulfillment and logistical challenges posed by the potential time-limited shelf-life of our current radiopharmaceutical programs or future drug candidates;
- our ability to obtain an adequate supply at reasonable costs of radioisotopes that we are currently using or that we may incorporate in the future into our drug candidates;
- market uptake and competitiveness in terms of pricing, efficacy and safety of any products for which we receive marketing approval, and our ability to competitively market and position any such products as compared to larger pharmaceutical companies;

Forward-Looking Statements (continued)

- the difficulties of commercialization, marketing, product manufacturing and overall strategy;
- uncertainties of intellectual property position and strategy, including new discoveries and patent filings;
- our ability to attract and retain experienced and qualified key personnel and/or to find and utilize external sources with experience, expertise and scientific, medical and commercialization knowledge to complete product development and commercialization of new products;
- the risks inherent in our estimates regarding the level of needed expenses, capital requirements and the availability of required additional financing at acceptable terms or at all;
- U.S. political leadership developments may affect the economy and future laws, tariffs, and regulations or executive orders, and may, in turn, lead to increased or decreased governmental control of healthcare and pharmaceuticals – governmental regulations impacting cost requirements and structures for importing ingredients or products or selling therapeutic or imaging products – and governmental legislation, executive orders and/or tariffs affecting other industries which may indirectly increase our costs of obtaining goods and services and our cost of capital;
- the uncertain impacts of any COVID-19 resurgence or of another pandemic may have on our ability to advance our clinical programs, commercialize them, and raise additional financing;
- the cumulative impacts of domestic and global inflation, volatility in financial markets and the potential for an economic recession, resulting in higher costs for obtaining goods and services and/or making financing more difficult to obtain on acceptable terms or at all;
- the uncertain impacts of the Russia-Ukraine war, the Israel-Hamas conflict, the developments in Venezuela, the conflict between the U.S., Israel and Iran and the ongoing instability in Persian Gulf states, and/or any potential future conflicts on our clinical material manufacturing expenses and timelines, as well as on general geopolitical, economic, trade and financial market conditions; and
- the uncertainty of our financial projections and operational timelines and the development of new competitive products and technologies.

Although we believe that the risk assessments identified in such forward-looking statements are appropriate, we can give no assurance whether such risks will materialize or that other risks will not materialize. Cautionary statements are disclosed in this Annual Report on Form 10-K, including without limitation statements in the section entitled “Item 1A. Risk Factors,” addressing forward-looking statements. All subsequent written and oral forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by the cautionary statements. We undertake no obligation to update any statements made in this Annual Report on Form 10-K or elsewhere, including without limitation any forward-looking statements, except as required by law.

Any forward-looking statements in this Annual Report on Form 10-K reflect our current views with respect to future events or to our future financial performance and involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by these forward-looking statements. Information that is based on estimates, forecasts, projections, market research or similar methodologies is inherently subject to uncertainties, and actual events or circumstances may differ materially from events and circumstances projected in this information.

Summary Risk Factors

Our business is subject to numerous risks and uncertainties, including those highlighted in “Item 1A. Risk Factors” located elsewhere in this Annual Report on Form 10-K. These risks include, among others, the following:

- We are a clinical-stage biopharmaceutical company with a history of financial losses. We expect to continue to incur significant losses for the foreseeable future and may never achieve or maintain cash self-sufficiency or profitability, which could result in a decline in the market value of our common stock.
- Our ability to raise sufficient funds in order for us to support continued clinical, regulatory and commercial development of our programs and to make contractual future milestone payments as they come due, as well as our ability to further raise additional funds in the future to support any existing or future product candidate programs through completion of clinical trials, approval processes and, if applicable, commercialization.
- Although a completed pivotal Phase 3 trial with ALXN1840 met its primary endpoint as described in this report, Alexion Pharmaceuticals, Inc. (“Alexion”), a subsidiary of AstraZeneca, terminated the ALXN1840 program in Wilson disease based on a review of results from the Phase 2 mechanistic trials and discussions with the regulatory authorities. In the near term, we are focused on assembling a regulatory package and submitting an NDA, all with uncertain outcomes.
- The regulatory approval process can be lengthy, expensive and uncertain. The U.S. Food and Drug Administration (“FDA”) and other regulatory agencies around the world may require us to perform additional nonclinical and/or clinical studies to obtain ALXN1840 approval, which we may be unable to raise sufficient capital to complete or the results of which may not meet clinical and/or statistical significance required by the FDA and other regulatory agencies.
- We do not have and may never have any approved products on the market. Our business is highly dependent upon receiving marketing approvals from the FDA and various international regulatory agencies and would be severely harmed if we are not granted approvals to manufacture and sell our product candidates.
- Our clinical trials may not yield sufficiently conclusive results for regulatory agencies to approve the marketing and sale of our products, which would adversely affect our financial condition.
- If we experience delays or difficulties in the enrollment of patients in clinical trials, our receipt of the necessary regulatory approvals will be delayed or prevented, which could materially delay or terminate our program schedules and adversely affect our financial condition.
- If we or our licensees, development collaborators, or suppliers are unable to manufacture our products in sufficient quantities and/or at defined quality specifications, or are unable to obtain regulatory approvals for the manufacturing facility, we may be unable to develop and to meet the demand for our products as well as lose time to market and associated potential revenues.
- We rely on qualified third parties to conduct our active pharmaceutical ingredient and biologic drug substance manufacturing, drug product manufacturing, non-clinical studies, and clinical trials. If these third parties do not or cannot successfully carry out their contractual duties and meet expected deadlines or performance goals, the initiation or conduct of our clinical trials would be delayed and we may be unable to obtain regulatory approval for, or commercialize, our current product candidates or any future products, which would adversely affect our financial condition.
- Radiopharmaceutical technology is a relatively novel approach to cancer imaging and treatment, which may create significant and potentially unpredictable challenges for such technology, including the availability of radioisotopes, potential misconception about its safety, and low market uptake due to its novelty. Perceptions of these challenges may pose funding challenges as we devote efforts to our radiopharmaceutical programs.

Summary Risk Factors (continued)

- The Russia-Ukraine war, and resulting sanctions against Russia and Russian entities, and Russian reduction in gas shipments to the EU and other allies, have increased fuel costs, reduced access to critical supplies and may cause shipping delays. Separately, the Israel-Hamas conflict, the developments in Venezuela, and the conflict between the U.S., Israel and Iran and the ongoing instability in Persian Gulf states have created additional uncertainties and impacts. The broader geopolitical, economic, trade and financial market consequences are uncertain at this time, which may increase the cost of supplies for our clinical materials, delay the manufacture of our clinical materials, restrict the availability of radioisotopes, increase costs of other goods and services or introduce additional financing difficulties and/or costs, any of which could adversely affect our clinical and preclinical programs and our financial condition.
- Market variables, such as inflation of product costs, labor rates and fuel, freight and energy costs, as well as geopolitical events, may significantly increase our operating and administrative expenses.
- Unstable market and economic conditions, such as volatility in the financial markets due to concerns about tariffs, bank stability and economic challenges due to inflation, may limit our ability to raise funds, potentially causing us to delay, restructure or cease our operations.
- U.S. political leadership developments may affect the economy and future laws, tariffs, and regulations or executive orders, and may, in turn, lead to increased or decreased governmental control of healthcare and pharmaceuticals – governmental regulations impacting cost requirements and structures for importing ingredients or products or selling therapeutic or imaging products – and governmental legislation, executive orders and/or tariffs affecting other industries which may indirectly increase our costs of obtaining goods and services and our cost of capital;
- We face significant competition from other radiopharmaceutical, biotechnology and pharmaceutical companies, and from research-based academic medical institutions, in our targeted medical indications, and our operating results would be adversely affected if we fail to compete effectively. Many competitors in our industry have greater organizational capabilities, more robust capital resources, and established marketing and sales resources and experience in the targeted markets. Competition and technological change may make our product candidates obsolete or non-competitive.
- The termination of third-party licenses would adversely affect our rights to important compounds and/or technologies which are essential to the development and marketing of our products.
- If we and our third-party licensors do not obtain and preserve protection for our respective intellectual property rights, our competitors may be able to develop and market competing drugs, which would adversely affect our financial condition.
- If we lose key management leadership, and/or the expertise and experience of our scientific personnel, and if we cannot recruit qualified employees or other highly qualified and experienced personnel for future requirements, we may experience significant program delays and increased operational and compensation costs, and our business may be materially disrupted.
- Any future or long-term impacts of COVID-19 or of any other pandemic remain uncertain, and their scope and impact could have a substantial negative bearing on our business, financial condition, operating results, stock price and ability to raise additional capital.

PART I

Item 1. Business

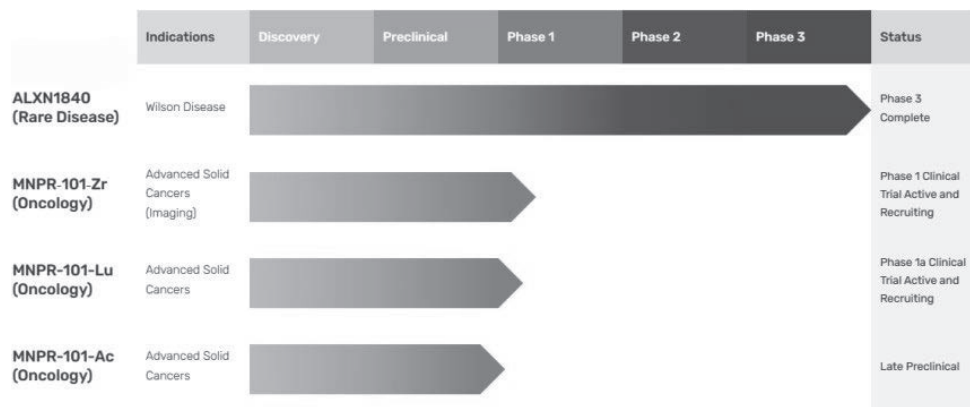
You should read the following discussion in conjunction with our financial statements as of December 31, 2025, and the notes to such financial statements included elsewhere in this Annual Report on Form 10-K.

Overview

Monopar Therapeutics Inc. (“Monopar,” the “Company,” “we,” “us,” and “our” and similar terms mean Monopar Therapeutics Inc. and its subsidiaries except where the context otherwise requires) is a clinical-stage biopharmaceutical company developing an innovative treatment for Wilson disease and novel radiopharmaceuticals for oncology. Our Wilson disease product candidate is ALXN1840, a late-stage, investigational once-daily, oral medicine. Our radiopharmaceutical programs consist of Phase 1-stage MNPR-101-Zr for imaging advanced cancers, and Phase 1a-stage MNPR-101-Lu and late preclinical-stage MNPR-101-Ac for the treatment of advanced cancers, that express urokinase plasminogen activator receptor (“uPAR”).

We build our drug development pipeline through both in-house efforts and licensing of late preclinical- and clinical-stage therapeutics, leveraging our scientific and clinical expertise to reduce risk and accelerate development.

Our Product Pipeline



Our Product Candidates

ALXN1840 for Wilson Disease

ALXN1840 (tiomolybdate choline) is an investigational once-daily, orally-administered drug candidate in development for the treatment of Wilson disease, a rare and progressive genetic condition in which the body’s pathway for removing excess copper is compromised. Over time this excess copper results in the build-up of toxic copper levels in the liver and brain, leading to damage that greatly impacts a patient’s life. Patients can develop a wide range of symptoms, including liver disease and psychiatric or neurological manifestations, such as personality changes, tremors and difficulty walking, swallowing or talking. In some cases, the damage and loss of function may be irreversible. ALXN1840 is a novel small molecule designed to selectively and tightly bind and remove copper from the body’s tissues and blood. ALXN1840 has been granted Orphan Drug Designation for the treatment of Wilson disease in the U.S. and the EU, as well as Fast Track designation from the FDA.

Wilson disease affects approximately 1 in 30,000 live births in the U.S. There are an estimated 10,000 Wilson disease patients in the U.S., with an estimated 5,000 patients currently diagnosed and being treated with standard-of-care (“SoC”).

Alexion completed a pivotal Phase 3 clinical trial of Wilson disease patients on ALXN1840, which met its primary endpoint in assessing copper mobilization over 48 weeks, defined as daily mean Area Under the Effect Curve (“AUEC”) for directly measured non-ceruloplasmin-bound copper (“dNCC”). In the trial, 214 patients were enrolled, and the trial was randomized, rater-blinded, and multi-centered, designed to evaluate the efficacy and safety of ALXN1840 versus SoC in patients with Wilson disease aged 12 years and older. Patients taking ALXN1840 experienced rapid copper mobilization, with a response at 4 weeks and sustained through the 48 weeks. The primary endpoint demonstrated three-times greater copper mobilization with ALXN1840 compared to the SoC arm (Least Square Mean Difference (“LSM Diff”) 2.18 μmol/L; p< 0.0001), including in patients who had been treated previously with SoC for an average of 10 years.

Additionally, data from patients in the Phase 3 clinical trial who exhibited at the time of study entry an incomplete and/or intolerant response (“IIR”) to prior treatment on SoC showed that more patients on ALXN1840 as compared to SoC in the trial exhibited improved neurological symptoms (45% vs. 20%, respectively) and fewer exhibited worsened neurological symptoms (5% vs. 17%, respectively) when assessed on a reported Minimal Clinically Important Difference (“MCID”) scale. These data suggest ALXN1840 may reduce the risk of neurological worsening when compared to SoC.

Alexion terminated the ALXN1840 program in Wilson disease based on its review of results from Phase 2 mechanistic trials and discussions with regulatory authorities. Their analysis of the Phase 2 mechanistic trials was that they failed to demonstrate a net-negative copper balance in Wilson disease patients during short-term treatment with ALXN1840 and to reduce hepatic copper concentration after treatment with ALXN1840. The decision not to progress the ALXN1840 program in Wilson disease was not related to any safety signals.

Following Alexion's decision, in October 2024, we entered into an exclusive worldwide license for the program and assumed responsibility for all future global development and commercialization activities. On May 7, 2025, we presented data on the long-term efficacy and safety of ALXN1840 at the European Association for the Study of the Liver (EASL) International Liver Congress 2025, a prominent global conference in liver disease. Efficacy data were pooled and analyzed from three clinical trials: Phase 2 WTX101-201, Phase 2 ALXN1840-WD-205, and Phase 3 WTX101-301 (n=255). For safety analysis, data from the Phase 2 ALXN1840-WD-204 trial were also included (n=266). The median treatment duration with ALXN1840 treatment was 961 days (2.63 years) and 943.5 days (2.58 years) for the efficacy and safety datasets, respectively. The data presented highlight the following:

- Sustained improvements from baseline in the Unified Wilson Disease Rating Scale ("UWDRS") Part II (patient-reported symptoms) and Part III (clinician-assessed symptoms);
- Increased copper mobilization as evidenced by a sustained increase in dNCC;
- Improvements on the Clinical Global Impression – Improvement ("CGI-I") scale for ALXN1840 compared to SoC;
- Improvement in the New Wilson Index (based on bilirubin, AST, INR, leukocytes, and albumin) for patients treated with ALXN1840;
- Higher patient-reported convenience and effectiveness of ALXN1840 compared to SoC, including those who transitioned from SoC to ALXN1840 in the extension portion of the Phase 3 clinical trial; and
- Fewer than 5% of patients experienced a drug-related serious adverse event ("SAE"), with no cases of a drug-related renal or urinary system SAE.

On June 6, 2025, Alexion officially transferred sponsorship of the investigational new drug ("IND") application for ALXN1840 to Monopar. The FDA acknowledged this change on July 29, 2025, confirming that the transfer was effective as of June 6, 2025. We are now fully responsible for the program, including its commercial advancement and compliance with all applicable federal regulations.

On September 14-15, 2025, we presented new data on the long-term neurological efficacy and safety of ALXN1840 at the 150th American Neurological Association (ANA) Annual Meeting. Matthew Lorincz, M.D., Ph.D., Professor of Neurology and Co-Director of the Wilson Disease Center of Excellence at the University of Michigan, delivered the poster and oral presentations. The analysis pooled efficacy and safety data from the same clinical trials pooled and analyzed for the EASL presentation above. The new findings presented at ANA highlight the long-term neurological benefit of ALXN1840, and follow the EASL presentation of long-term hepatic and systemic safety and efficacy data. Together, we believe these findings underscore the potential of ALXN1840 to favorably impact both neurological and hepatic manifestations of Wilson disease. The ANA data presented highlight the following:

- Statistically significant neurologic improvement from baseline on the UWDRS Part II and Part III was sustained over 6 years;
- Patients who crossed over from SoC to ALXN1840 showed additional neurological improvement, including a majority of patients who had worsened on SoC demonstrating a reversal on ALXN1840;
- Statistically significant psychiatric improvement from baseline was sustained over multiple years, as measured by the Brief Psychiatric Rating Scale ("BPRS");
- Neurological benefit was observed consistently across multiple independent studies; and
- Across more than 645 patient-years on ALXN1840, less than 1% of patients experienced a drug-related neurological SAE.

On November 9, 2025, we presented new data and analyses from the Phase 2 ALXN1840-WD-204 copper balance study at the American Association for the Study of Liver Diseases (AASLD) – The Liver Meeting® 2025. In an oral presentation titled "Rapidly Improved Cu Balance in Wilson Disease Patients on Tiomolybdate Choline," we shared results showing that treatment with ALXN1840 (tiomolybdate choline) led to a rapid and sustained improvement in daily copper balance in patients with Wilson disease, primarily through increased fecal copper excretion.

The mean daily copper balance among patients treated with ALXN1840 in the study (n=8) was significantly lower – indicating improvement – compared with their pre-treatment baseline. Copper balance improved both during the initial 15 mg once-daily dosing period (days 1-28) and over the entire treatment duration (days 1-39), which included patients receiving either 15 mg every other day or 30 mg once daily.

Based on recent regulatory interactions with the FDA regarding ALXN1840, during which the agency has encouraged continued dialogue with us on certain questions they have before we submit our NDA, we currently expect to submit our NDA in mid-2026. This anticipated timing reflects our efforts to incorporate additional information and further refine the submission package. However, there can be no assurance that the FDA will accept the NDA for filing or that the application will ultimately be approved.

MNPR-101 for Radiopharmaceutical Use

The radiopharmaceutical space has had numerous positive developments and announcements over the past 24 months, from acquisitions to clinical data to reimbursement rates to commercial demand. Since December 2023, four significant acquisitions have been publicly announced or completed with upfront payments ranging from approximately \$1 billion to over \$4 billion (BMS/RayzeBio, AstraZeneca/Fusion Pharma, Eli Lilly/POINT BioPharma, and Novartis/Mariana Oncology).

MNPR-101 is our proprietary humanized monoclonal antibody that we are developing for advanced solid tumors expressing uPAR. This novel radiopharmaceutical program aims to identify and selectively bind to and kill the tumors expressing uPAR, while minimizing damage to healthy tissue. The program uses MNPR-101 to target uPAR as a means to accurately deliver radioisotope payloads to the tumors.

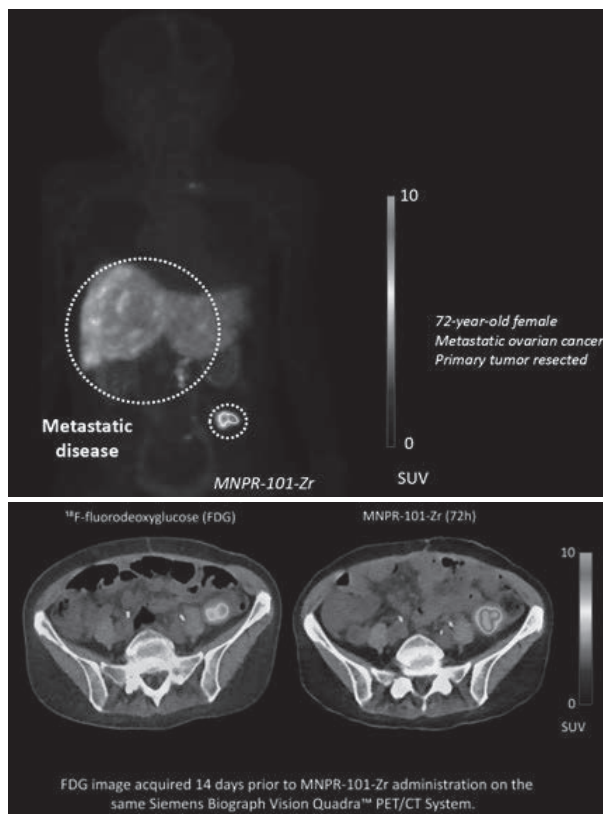
uPAR is highly expressed on several of the more aggressive, deadly cancers including pancreatic, breast, ovarian, and bladder cancers but not on most normal cells. For example, it is estimated that the tumors and/or tumor associated cells in 97% of breast, 89% of bladder, 87% of pancreatic and 85% of colorectal cancer patients express uPAR. Moreover, several Phase 1 PET imaging studies in advanced cancer patients show that uPAR can be clearly detected in tumors, making it a potentially attractive target for radiopharmaceuticals.

We have demonstrated promising preclinical data to date for our MNPR-101 radiopharmaceutical program. Positron emission tomography (“PET”) imaging data of preclinical human tumor xenograft mouse models for triple-negative breast, colorectal, and pancreatic tumors expressing uPAR display high, selective and durable uptake of MNPR-101-Zr, our imaging agent. Additionally, preclinical triple-negative breast and pancreatic cancer mouse model studies with MNPR-101 conjugated to therapeutic radioisotopes lutetium-177 and actinium-225 have shown promising anti-tumor activity. Overall, the preclinical imaging and therapeutic efficacy study results demonstrate the potential utility of MNPR-101 as a precision targeting radiopharmaceutical agent for both imaging and therapy in multiple cancer types. We are currently actively enrolling our Phase 1 imaging/dosimetry and our therapeutic clinical trials in Australia for MNPR-101-Zr and MNPR-101-Lu in patients with advanced cancer, respectively.

MNPR-101-Zr Phase 1 Imaging and Dosimetry Clinical Trial

In February 2024, we received Human Research Ethics Committee (“HREC”) clearance in Australia to commence a first-in-human Phase 1 imaging and dosimetry clinical trial with our novel radiopharmaceutical imaging agent MNPR-101-Zr (MNPR-101 conjugated to zirconium-89) in patients with advanced cancers. The trial, which is anticipated to enroll approximately 12 patients, utilizes total body positron emission tomography–computed tomography (“PET/CT”) imaging to assess tumor uptake, normal organ biodistribution, and safety. The study is being conducted at Melbourne Theranostic Innovation Centre (“MTIC”), headed by Professor Rodney Hicks, MBBS(Hons), MD, FRACP, FICIS, FAAHMS, and uses one of the world’s most sensitive clinical total-body PET/CT scanners, the Siemens Biograph Vision Quadra, to image the targeting ability of MNPR-101-Zr in cancer patients.

In April 2024, we launched the Phase 1 trial, and in July 2024, we announced the enrollment of our first patient. In September 2024, we announced positive early clinical data validating the tumor-targeting ability and showing significant uptake of MNPR-101-Zr in a patient with ovarian cancer, which was then presented in October 2024 at the European Association of Nuclear Medicine (“EANM”) Annual Congress 2024. The results of a total-body PET image taken at 168 hours (7 days) post-administration of MNPR-101-Zr in the first uPAR-positive patient enrolled in the trial demonstrated the specificity, durability, and uptake of MNPR-101-Zr in the metastatic tumors relative to normal tissue (see the images below). The regions of higher uptake also aligned with the locations of the previously observed metastatic tumors on conventional F-fluorodeoxyglucose (“FDG”) PET imaging. These results suggest a favorable targeting profile for MNPR-101. We continue to enroll patients for the MNPR-101-Zr Phase 1 clinical trial.



MNPR-101-Lu Phase 1a Therapeutic Clinical Trial

Following encouraging Phase 1 clinical data regarding tumor uptake, biodistribution, and safety of MNPR-101-Zr, we decided to evaluate the efficacy in humans of a therapeutic version of MNPR-101. For our initial MNPR-101-RIT (radioimmunotherapy) candidate, we selected the beta-emitting radioisotope lutetium-177. In August 2024, we received regulatory clearance in Australia to commence a first-in-human Phase 1a clinical trial of our novel uPAR-targeted radiopharmaceutical therapy MNPR-101-Lu (MNPR-101 conjugated to lutetium-177) in patients with advanced solid cancers. We launched the trial in October 2024, and it is now active and open for patient enrollment. In order to be dosed with the therapeutic, the patient’s cancer is imaged using MNPR-101-Zr with a PET/CT scanner, and only those patients with scans showing sufficient uPAR expression are dosed in the therapeutic clinical trial. We dosed our first patient with MNPR-101-Lu in early December 2024.

On September 26, 2025, we received FDA clearance on our IND application for MNPR-101-Lu, which covers the protocol titled “Phase 1, Open-Label, Multicenter, Dosimetry and Dose-Escalation Trial to Characterize the Safety, Tolerability, and Anti-Tumor Activity of Fractionated

MNPR-101-Lu Dosing in the Treatment of uPAR-Expressing Advanced or Metastatic Solid Tumors.” This IND incorporates our proprietary linker technology, which has been designed to enhance the stability and biodistribution of our therapeutic radiopharmaceuticals.

Expanded Access Program (“EAP”)

On June 11, 2025, we, in collaboration with Excel Diagnostics and Nuclear Oncology Center (“EDNOC”), a diagnostic medical imaging and therapeutic nuclear medicine center, received authorization from the FDA to proceed with a physician-sponsored EAP for the investigational imaging agent MNPR-101-Zr and investigational therapeutic agent MNPR-101-Lu. The MNPR-101 EAP, which is intended to provide a potential pathway for patients with serious or life-threatening conditions to access investigational medical products outside of clinical trials when no comparable or satisfactory alternative therapy is available, is now open for enrollment at EDNOC in Houston, Texas, for patients with advanced solid tumors. EDNOC is among the first private outpatient facilities in the U.S. to be designated as a Radiopharmaceutical Therapy Center of Excellence by the Society of Nuclear Medicine and Molecular Imaging (“SNMMI”). The EAP calls for patients to be treated under the supervision of the investigator Ebrahim S. Delpassand, MD, founder and medical director of EDNOC.

MNPR-101-Ac Therapeutic Preclinical Development

In addition to our clinical product candidates, we are developing MNPR-101-Ac, a late-preclinical stage radiotherapeutic candidate comprised of MNPR-101 conjugated to alpha-emitting radioisotope actinium-225. MNPR-101-Ac is being developed for the treatment of advanced solid tumors.

Additional Radiopharmaceutical Opportunities

In October 2024, we announced the filing of a provisional patent application for new radiopharmaceutical compounds and a family of linkers used to connect radioisotopes with targeting agents, including our uPAR-targeting antibody MNPR-101. In March 2025, we filed a corresponding international patent application claiming priority to the October 2024 provisional filing (International Application Number PCT/US2025/021595). This pending utility patent could enable us to use these linkers to create new proprietary radiopharmaceuticals to pursue well-established cancer targets.

License, Development and Collaboration Agreements

Alexion, AstraZeneca Rare Disease

On October 23, 2024, we executed a License Agreement with Alexion, pursuant to which Alexion granted us an exclusive worldwide license for the development and commercialization of ALXN1840, a drug candidate for Wilson disease. As initial upfront consideration for the License Agreement, we issued Alexion 387,329 shares (representing 9.9% of our outstanding shares at the time) of our common stock and agreed to make an upfront cash payment of \$4.0 million. The foregoing cash payment consisted of \$1.0 million paid at the time of signing and the remaining \$3.0 million paid in January 2025, pursuant to the terms of the License Agreement. As of December 31, 2025, we have paid an aggregate of \$4.0 million in cash under the License Agreement. We agreed to an anti-dilution provision that entitled Alexion to receive additional shares at no cost to maintain their 9.9% ownership until we raised the next \$25.0 million of our common stock, subject to a maximum of 705,015 shares unless we obtained stockholder approval. Pursuant to the anti-dilution right, we issued an additional 157,188 shares of our common stock to Alexion. No further obligations exist pursuant to the anti-dilution right.

Additionally, we are obligated to pay Alexion milestone payments of up to \$94.0 million for the achievement of regulatory approval and sales-related milestones. In addition, the Company is obligated to pay tiered royalties based on net sales at rates falling within a range of 10% to 20%. As of December 31, 2025, no milestone or royalty payments have been made under the License Agreement. We have also given Alexion the right of first negotiation regarding any rights should we intend to sublicense ALXN1840. Furthermore, we will have to pay Alexion a percentage in the range of 35% to 45% of any sublicensing income received by us. As part of this License Agreement, we have assumed an agreement from Alexion, under which we will also owe a third-party single digit millions in cash milestone payment upon regulatory approval in Europe and a single digit percentage royalty on net sales in Europe.

Either party may terminate the agreement in the event of an uncured material breach of the agreement following written notice, and we may terminate the agreement for convenience upon 90 days prior written notice to Alexion.

NorthStar Medical Radioisotopes, LLC (“NorthStar”)

In June 2024, we entered into a long-term, non-exclusive master supply agreement with NorthStar under which NorthStar will provide us with the therapeutic radioisotope actinium-225 (“Ac-225”). The original collaboration agreement was amended at that time to clarify certain economic terms and terms related to jointly-developed intellectual property rights for our MNPR-101 for radiopharmaceutical use. We have acquired these rights from NorthStar, together with certain broad, jointly-developed intellectual property pertaining to MNPR-101, giving us full ownership and title to our lead MNPR-101 radiopharmaceutical platform. We will jointly share ownership of the filed patent application on the use of PCTA as a linker with Ac-225, which has shown that MNPR-101 has superior binding and yield with Ac-225 over the current industry-leading linker, DOTA.

XOMA Ltd.

To humanize our MNPR-101 antibody, we have taken a non-exclusive license to XOMA (US) LLC’s humanization technology and know-how. Humanization involves replacing most of the non-critical parts of the mouse sequence of an antibody with the human sequence to minimize the ability of the human immune system to recognize this antibody as foreign. As such, MNPR-101 has been engineered to be 95% human sequence using the XOMA technology. Under the terms of the non-exclusive license with XOMA Ltd., we are to make payments to XOMA Ltd. upon the

achievement of certain clinical, regulatory and sales milestones, potentially totaling \$14.925 million. The agreement does not require the payment of sales royalties. As of March 17, 2026, we had not reached any milestones and had not been required to pay XOMA Ltd. any funds under this license agreement. The first milestone payment is payable upon first dosing of a human patient in a Phase 2 clinical trial. We are currently conducting Phase 1 clinical trials and cannot reliably predict when we will be able to commence a Phase 2 clinical trial, if at all.

Intellectual Property Portfolio and Exclusivity

An important part of our strategy is obtaining patent protection to help preserve the proprietary nature of our product candidates, and to prevent others from developing similar competitive agents. Our patent portfolio includes issued patents and pending patent applications in the U.S. and in foreign countries. Our general practice is to seek patent protection in major markets worldwide.

ALXN1840

Pursuant to the terms of our license agreement with AstraZeneca for ALXN1840, we obtained the intellectual property portfolio for ALXN1840, including exclusive license and prosecution of over 86 patent applications granted, published, or pending in over 30 countries worldwide. ALXN1840 has been granted Orphan Drug Designation for the treatment of Wilson disease in the U.S. and the EU, as well as Fast Track designation from the FDA. In the U.S., these include 6 granted patents, 7 published patent applications, and 1 private and pending application with the earliest expiration expected in 2038. The patents cover methods of treatment and dosing of ALXN1840 for Wilson disease, methods of manufacture for tetrathiomolybdate, and certain drug product formulations.

MNPR-101

Our patent portfolio for our MNPR-101 antibody, as well as its epitope, consists of two issued U.S. composition of matter and their methods of use patents and corresponding issued patents in Japan. The U.S. patent covering the composition of matter of MNPR-101 will expire in 2027 and the corresponding Japanese patent expired in 2025; the U.S. patent covering the MNPR-101 epitope will expire in 2029 with the corresponding Japanese patent expiring in 2027. Being a novel biologic, MNPR-101 is eligible for 12 years of exclusivity in the U.S. under the Biologics Price Competition and Innovation Act (“BPCI Act”), and it will benefit from varying durations of similar exclusivity in numerous other countries. If granted, the earliest-expiring of the patent applications covering radiopharmaceutical derivatives of MNPR-101 would expire in 2041.

Patent life determination depends on the date of filing of the application and other factors as promulgated under the patent laws. In most countries, including the U.S., the patent term is generally 20 years from the earliest claimed filing date (the priority date) of a non-provisional patent application in the applicable country, not taking into consideration any potential patent term adjustment that may be filed in the future or any regulatory extensions that may be obtained. Some of our patents are currently near expiration and we may pursue patent term extensions for these where appropriate. See “Item 1A. Risk Factors – Risks Related to our Intellectual Property.”

MNPR-101 for Radiopharmaceutical Use

Radiopharmaceutical therapy is a promising approach to treat cancer and other diseases using radioactive isotopes, such as lutetium-177 and actinium-225 bound with proteins/antibodies to target and kill cancer cells.

In collaboration with NorthStar, we filed a provisional patent application entitled “Precision Radioimmunotherapeutic Targeting of uPAR for Treatment of Severe COVID-19 Disease” with the U.S. Patent and Trademark Office (“USPTO”) on June 15, 2020. A full international application (International Application Number PCT/US2021/037416) that claims priority to the provisional filing date was filed under the Patent Cooperation Treaty (“PCT”) on June 15, 2021. This application covers novel compositions and uses of imaging and cytotoxic radioisotopes attached to antibodies that bind to uPAR, thereby creating precision targeted radiotherapeutics, also known as uPRITs, for the treatment of severe COVID-19 and other respiratory diseases.

In May 2021, we and NorthStar filed a provisional patent application with the USPTO titled “Bio-Targeted Radiopharmaceutical Compositions Containing Ac-225 and Methods of Preparation.” A full international patent application (International Application Number PCT/US2022/0378956) titled, “Trivalent Radioisotope Bio-Targeted Radiopharmaceutical, Methods of Preparation and Use” that claims priority to the provisional filing date was filed under the PCT on May 20, 2022.

Also in May 2021, we and NorthStar filed a provisional composition of matter patent application titled “Urokinase Plasminogen Activator Receptor-Targeted Radiopharmaceutical,” which covers a radiotherapeutic consisting of our proprietary antibody MNPR-101 bound to Ac-225 via the isotope binding agent PCTA. A full international patent application (International Application Number PCT/US2022/0409751) titled, “Urokinase Plasminogen Activator Receptor-Targeted Radiopharmaceutical” that claims priority to the provisional filing date was filed under the PCT, also on May 20, 2022. This radiopharmaceutical demonstrated 98% radiochemical purity and high stability and has the potential to be a highly selective, potent treatment for a variety of cancers, severe COVID-19, and other diseases characterized by aberrant uPAR expression.

On June 11, 2024, Monopar and Northstar announced that the companies amended and extended their radiopharmaceutical collaboration. As part of the amended agreement, Monopar received all rights and title to the PCT/US2021/037416, PCT/US2022/0409751, and joint ownership with certain exclusive rights of PCT/US2022/0409751.

In April 2024, Monopar announced the filing of a provisional patent protecting certain MNPR-101 radiopharmaceutical optimization inventions, and in October 2024, Monopar announced a further addition to its radiopharmaceutical intellectual property portfolio with a provisional patent filing on new radiopharmaceutical compounds and linkers. In March 2025, the Company filed two corresponding international patent applications claiming priority to the April and October 2024 provisional filings (International Patent Application Nos. PCT/US2025/021568 and PCT/US2025/021595).

Manufacturing

ALXN1840

We do not currently own or operate manufacturing facilities for the production or testing of ALXN1840, nor do we have plans to develop our own manufacturing operations in the foreseeable future. We depend on third-party contract manufacturers for all our required raw materials, Active Pharmaceutical Ingredients (“API”), and finished drug products. We are utilizing elements of the existing supply chain that was used in the most recent clinical studies for ALXN1840, and we have engaged these vendors as our contract manufacturers for the supply of API and drug product.

MNPR-101

We do not currently own or operate manufacturing facilities for the production or testing of our MNPR-101 radiopharmaceutical program. We presently depend on third-party contract manufacturers for all our required raw materials, biologic drug substances, and finished drug products for our preclinical and clinical studies. We are having clinical batches of MNPR-101-Zr and MNPR-101-Lu manufactured by external vendors for use in treating patients in our Phase 1 imaging and dosimetry trial, therapeutic trial and compassionate use protocols. In addition, we are in the process of setting up a radiopharmaceutical laboratory and exploring potential manufacturing operations.

Wilson Disease Competition

While there is no cure for Wilson disease, the FDA has approved several therapeutic agents for the treatment of Wilson disease. Treatment approaches include chelation therapies and zinc supplements that prevent dietary copper absorption. Chelation therapies utilize chelators, which are drugs that bind to metals and minerals in the bloodstream to allow them to be excreted by the body. Existing chelation therapies are penicillamine-based products, which include Cuprimine (Bausch Health Companies Inc.) and Depen (Meda Pharmaceuticals Inc., a Viatris company), and trientine-based products, which include Syprine (Bausch Health Companies Inc.) and Cuvrior (Orphalan SA). Zinc acetate is marketed as Galzin in the U.S. and as Wilzin in Europe (rights to both geographies belong to Eton Pharmaceuticals, Inc.). Gene therapy is also being investigated as a potential therapeutic application for the treatment of Wilson disease by addressing the mutated ATP7B copper transporter gene. We are aware of two gene therapies that are in clinical development for the treatment of Wilson disease: UX701 (Ultragenyx Pharmaceutical Inc.) and VTX-801 (Vivet Therapeutics).

Oncology Market Competition

The pharmaceutical industry in general, and the oncology therapeutics sector in particular, are characterized by intense competition. We face competition from both pharmaceutical and biotechnology companies, many of which are larger and better financed than us. We also face competition from academic and government laboratories in our efforts to develop and commercialize new oncology therapeutics. The therapeutics that we are developing, if successfully commercialized, will have to compete with existing therapeutics already on the market and novel therapeutics currently in development, as well as new therapeutics that may be discovered and developed in the future. Our product candidates will also have to compete with alternate treatment modalities, such as improvements in radiation treatments, which are also subject to continuous innovation and improvement. Additional information can be found in the section entitled “Risk Factors – Risks Related to Our Business Operations and Industry.”

MNPR-101 Radiopharmaceutical Program Competition

Our MNPR-101 radiopharmaceutical program, including MNPR-101-Zr for imaging and MNPR-101-Lu and MNPR-101-Ac for therapy, is susceptible to all the competitive factors listed above under Oncology Market Competition. In addition to the current standard of care for patients with advanced cancers, we consider our most direct competitors to be companies that are developing targeted radiopharmaceuticals for the treatment of cancer. There are several companies that are developing radiopharmaceuticals for cancers including, but not limited to: Novartis AG, Bayer AG, Bristol Myers Squibb, Eli Lilly and Company, Actinium Pharmaceuticals, Inc., Johnson & Johnson, Telix Pharmaceuticals Limited, Lantheus Holdings, Inc., AstraZeneca, and Genentech, as well as numerous early-stage companies that are developing a wide range of targeted radiopharmaceuticals for advanced cancers. For the uPAR-targeted radiopharmaceuticals, CuraSight, a Danish biotech company, is currently developing a clinical-stage non-antibody-based uPAR radiodiagnostic and radiotherapeutic pair which binds to a different epitope on uPAR as compared to MNPR-101.

Government Regulation and Product Approval

Government authorities in the U.S., at the federal, state and local level, and in other countries such as Australia, extensively regulate, among other things, the research, development, testing, manufacture, quality control, approval, labeling, packaging, storage, record-keeping, promotion, advertising, distribution, post-approval monitoring and reporting, marketing and export and import of products such as those we are developing. The product candidates that we develop must be approved by the FDA and the Therapeutics Goods Administration (“TGA”) before they may be legally marketed in the U.S. and Australia, respectively. See “Item 1A. Risk Factors – Risks Related to Clinical Development and Regulatory Approval.”

U.S. Pharmaceutical and Biological Product Development Process

In the U.S., the FDA regulates pharmaceutical products under the Federal Food, Drug and Cosmetic Act (“FDCA”) and biological products under the Public Health Service Act (“PHSA”), and implements regulations under these statutes. Pharmaceutical and biological products are also subject to other federal, state and local statutes and regulations. The process of obtaining regulatory approvals and the subsequent compliance with appropriate federal, state, local and foreign statutes and regulations require the expenditure of substantial time and financial resources. Failure to comply with the applicable U.S. requirements at any time during the product development, approval or post-approval process may subject an applicant to administrative or judicial enforcement. FDA enforcement could result in refusal to approve pending applications, withdrawal of an approval, a clinical hold, warning letters, product recalls, product seizures, total or partial suspension of production or distribution injunctions, fines, refusals of government contracts, restitution, disgorgement or civil or criminal penalties. Any agency or judicial enforcement action could have a material adverse effect on us. The process required by the FDA before a pharmaceutical or biological product may be marketed in the U.S. generally involves the following:

- Completion of preclinical laboratory tests, animal studies and formulation studies according to Good Laboratory Practice (“GLP”) regulations, and other applicable regulations;
- Submission to the FDA of an Investigational New Drug application (“IND”), which must become effective before human clinical studies may begin;
- Performance of adequate and well-controlled human clinical studies according to the FDA’s current Good Clinical Practice (“GCP”), to establish the safety and efficacy of the proposed product for its intended use and support the proposed dosage or dosing regimen;
- Submission to the FDA of an NDA or a Biologics License Application (“BLA”) for the proposed product;
- Satisfactory completion of an FDA inspection of the manufacturing facility or facilities where the product is produced to assess compliance with the FDA’s current Good Manufacturing Practice standards (“cGMP”), to ensure that the facilities, methods and controls are adequate to preserve the product’s identity, strength, quality and purity;
- FDA inspections of the preclinical and clinical study sites that generated the data in support of the NDA or BLA;
- FDA review and approval of the NDA or BLA; and
- Fulfillment of FDA post-marketing requirements and commitments, if any.

The lengthy process of seeking required approvals and the continuing need for compliance with applicable statutes and regulations require the expenditure of substantial resources, and make approvals inherently uncertain.

Before testing any compounds with potential therapeutic value in humans, the product candidate enters the preclinical testing stage. Preclinical tests include laboratory evaluations of product chemistry, toxicity and formulation, as well as in-vitro and animal studies to assess the potential safety and activity of the product candidate. These early proof-of-principle studies are done using sound scientific procedures and thorough documentation. The conduct of single and repeat dose toxicology and toxicokinetic studies in animals must comply with federal regulations and requirements, including GLP. The sponsor must submit the results of the preclinical tests, together with manufacturing information, analytical data, any available clinical data or literature and a proposed clinical protocol, to the FDA as part of the IND. The IND automatically becomes effective 30 days after receipt by the FDA, unless the FDA has concerns and notifies the sponsor. In such a case, the IND sponsor and the FDA must resolve any outstanding concerns before the clinical study can begin. If resolution cannot be reached within the 30-day review period, either the FDA places the IND on clinical hold, or the sponsor withdraws the application. The FDA may also impose clinical holds on a product candidate at any time before or during clinical studies due to safety concerns or non-compliance. Accordingly, it is not certain that submission of an IND will result in the FDA allowing clinical studies to begin, or that, once begun, issues will not arise that may suspend or terminate such clinical studies.

During the development of a new product, sponsors are given opportunities to meet with the FDA at certain points. These points may be prior to submission of an IND, at the end of Phase 2, and before an NDA or a BLA is submitted. Meetings at other times may be requested. These meetings can provide an opportunity for the sponsor to share information about the data gathered to date, for the sponsor to ask specific questions to the FDA, for the FDA to provide advice, and for the sponsor and FDA to reach agreement on the next phase of development. Sponsors typically use the end of Phase 2 meeting to discuss their Phase 2 clinical results and present their plans for the pivotal Phase 3 clinical (registration) trial(s) that they believe will support approval of the new product. A sponsor may be able to request a Special Protocol Assessment (“SPA”), the purpose of which is to reach agreement with the FDA on the Phase 3 clinical trial protocol design and analyses that will form the primary basis of an efficacy claim.

According to FDA guidance for industry on the SPA process, a sponsor which meets the prerequisites may make a specific request for an SPA and provide information regarding the design and size of the proposed clinical trial. The FDA’s goal is to evaluate the protocol within 45 days of the request to assess whether the proposed trial is adequate, and that evaluation may result in discussions and a request for additional information. An SPA request must be made before the proposed trial begins, and all open issues must be resolved before the trial begins. If a written agreement is reached, it will be documented and made part of the IND record. The agreement will be binding on the FDA and may not be changed by the sponsor or the FDA after the trial begins except with the written agreement of the sponsor and the FDA or if the FDA determines that a substantial scientific issue essential to determining the safety or efficacy of the product was identified after the testing began.

Clinical studies involve the administration of the product candidate to healthy volunteers or patients under the supervision of qualified investigators, generally physicians not employed by or under the clinical study sponsor’s control. Clinical studies are conducted under protocols detailing, among other things, the clinical study objectives, dosing procedures, subject selection and exclusion criteria, how the results will be analyzed and presented and the parameters to be used to monitor subject safety. Each protocol must be submitted to the FDA as part of the IND. Clinical studies must be conducted in accordance with GCP guidelines. Further, each clinical study must be reviewed and approved by an independent institutional review board (“IRB”), at, or servicing, each institution at which the clinical study will be conducted. An IRB is charged with protecting the welfare and rights of study participants and is tasked with considering such items as whether the risks to individuals participating in the clinical studies are minimized and are reasonable in relation to anticipated benefits. The IRB also approves the informed consent form that must be provided to each clinical study subject or his/her legal representative and monitors the clinical study until completed.

Human clinical studies are typically conducted in three sequential phases that may overlap or be combined:

- Phase 1. The product is initially introduced into healthy human subjects and tested for safety, dosage tolerance, absorption, metabolism, distribution and excretion.
- Phase 2. The product is evaluated in a limited patient population to identify possible adverse effects and safety risks, to preliminarily evaluate the efficacy of the product for specific targeted diseases, to determine dosage tolerance, optimal dosage and dosing schedule and to identify patient populations with specific characteristics where the product may be more effective.
- Phase 3. Clinical studies are undertaken to further evaluate dosage, clinical efficacy and safety in an expanded patient population at geographically dispersed clinical study sites. These clinical studies are intended to establish the overall risk/benefit ratio of the product and provide an adequate basis for product labeling. The studies must be well-controlled and usually include a control arm for comparison. One or two Phase 3 studies are required by the FDA for an NDA or a BLA approval, depending on the disease severity and other available treatment options.
- Phase 4. Post-approval studies, or Phase 4 clinical studies, may be conducted after initial marketing approval. These studies are used to gain additional insight from the treatment of patients in the intended therapeutic indication.
- Progress reports detailing the results of the clinical studies must be submitted at least annually to the FDA, and written IND safety reports must be submitted to the FDA and the investigators for serious and unexpected adverse events or any finding from tests in laboratory animals that suggests a significant risk for human subjects. Phase 1, Phase 2 and Phase 3 clinical studies may not be completed successfully within any specified period, if at all. The FDA or the sponsor or its data safety monitoring board may suspend a clinical study at any time on various grounds, including a finding that the research subjects or patients are being exposed to an unacceptable health risk. Similarly, an IRB can suspend or terminate approval of a clinical study at its institution if the clinical study is not being conducted in accordance with the IRB’s requirements or if the product candidate has been associated with unexpected serious harm to patients.

Concurrent with clinical studies, companies usually complete additional animal studies and must also develop additional information about the chemistry and physical characteristics of the product as well as finalize a process for manufacturing the product in commercial quantities in accordance with cGMP requirements. The manufacturing process must be capable of consistently producing quality batches of the product candidate and, among other things, must develop methods for testing the identity, strength, quality and purity of the final product. Additionally, appropriate packaging must be selected and tested, and stability studies must be conducted to demonstrate that the product candidate does not undergo unacceptable deterioration over its shelf life.

U.S. Review and Approval Processes

The results of product development, preclinical studies and clinical studies, along with descriptions of the manufacturing process, analytical tests conducted on the chemistry, manufacturing and controls of the product, proposed labeling and other relevant information are submitted to the FDA as part of an NDA or a BLA requesting approval to market the product. The submission of an NDA or a BLA is subject to the payment of substantial user fees; a waiver of such fees may be obtained under certain limited circumstances.

In addition, under the Pediatric Research Equity Act (“PREA”), an NDA, a BLA or a supplement thereof must contain data to assess the safety and effectiveness of the pharmaceutical product for the claimed indications in all relevant pediatric subpopulations and to support dosing and administration for each pediatric subpopulation for which the product is safe and effective. The FDA may grant deferrals for submission of data or full or partial waivers. Unless otherwise required by regulation, PREA does not apply to any product for an indication for which orphan designation has been granted.

The FDA reviews all NDAs and BLAs submitted before it accepts them for filing and may request additional information rather than accepting an NDA or a BLA for filing. Once a submission is accepted for filing, the FDA begins an in-depth review of the NDA or BLA. Under the goals and policies agreed to by the FDA under the Prescription Drug User Fee Act (“PDUFA”), the FDA has 10 months in which to complete its initial review of a standard NDA or BLA and respond to the applicant, and six months for a priority NDA or BLA. The FDA does not always meet its PDUFA goal dates for standard and priority NDAs or BLAs. The review process and the PDUFA goal date may be extended by three months if the FDA requests, or if the NDA or BLA sponsor otherwise provides additional information or clarification regarding information already provided in the submission within the last three months before the PDUFA goal date.

After the NDA or BLA submission is accepted for filing, the FDA reviews the NDA or BLA application to determine, among other things, whether the proposed product is safe and effective for its intended use, and whether the product is being manufactured in accordance with cGMP to ensure and preserve the product’s identity, strength, quality and purity. The FDA may refer applications for novel products or products which present difficult questions of safety or efficacy to an advisory committee, typically a panel that includes clinicians and other experts, for review, evaluation and recommendation as to whether the application should be approved and under what conditions. The FDA is not bound by the recommendations of an advisory committee, but it considers such recommendations carefully when making decisions. During the product approval process, the FDA also will determine whether a risk evaluation and mitigation strategy (“REMS”) is necessary to ensure the safe use of the product. If the FDA concludes that a REMS is needed, the sponsor of the NDA or BLA must submit a proposed REMS; the FDA will not approve the NDA or BLA without a REMS, if required.

Before approving an NDA or a BLA, the FDA will inspect the facilities at which the product is manufactured. The FDA will not approve the product unless it determines that the manufacturing processes and facilities are compliant with cGMP requirements and adequate to ensure consistent production of the product within required specifications. Additionally, before approving an NDA or a BLA, the FDA will typically inspect one or more clinical sites as well as the site(s) where the product is manufactured to ensure compliance with GCP and cGMP, respectively. If the FDA determines that the application, manufacturing process or manufacturing facilities are not acceptable, it will outline the deficiencies in the submission and often will request additional testing or information. In addition, the FDA will require the review and approval of product labeling.

The NDA and BLA review and approval process is lengthy and difficult, and the FDA may refuse to approve an NDA or a BLA if the applicable regulatory criteria are not satisfied or may require additional clinical data or other data and information. Even if such data and information are submitted, the FDA may ultimately decide that the NDA or BLA does not satisfy the criteria for approval. Data obtained from clinical studies are not always conclusive and the FDA may interpret data differently than the sponsor’s interpretations of the same data. The FDA will issue a complete response letter if the agency decides not to approve the NDA or BLA. The complete response letter usually describes all of the specific deficiencies in the NDA or BLA identified by the FDA. The deficiencies identified may be minor (for example, requiring labeling changes) or major (for example, requiring additional clinical studies). Additionally, the complete response letter may include recommended actions that the applicant might take to place the application in an updated condition for approval. If a complete response letter is issued, the applicant may either resubmit the NDA or BLA, addressing all the deficiencies identified in the letter, or withdraw the application.

If a product receives regulatory approval, the approval may be significantly limited to specific diseases and dosages or the indications for use may otherwise be limited, which could restrict the commercial value of the product. Further, the FDA may require that certain contraindications, warnings or precautions be included in the product labeling. In addition, the FDA may require Phase 4 testing which involves clinical studies designed to further assess product safety and effectiveness and may require testing and surveillance programs to monitor the safety of the approved product that has been commercialized.

Regulatory Framework in Australia

The Therapeutic Goods Administration (“TGA”), through the Therapeutic Goods Act 1989 (the “Act”) and the Therapeutic Goods Regulations, is responsible for the efficacy, quality, safety and timely availability of drugs and medical devices in Australia. The mission statement of the TGA is “To ensure the safety, quality and efficacy of therapeutic goods available in Australia at a standard equal to that of comparable countries, and that premarket assessment of therapeutic goods is conducted within a reasonable time.” The TGA administers two pathways for clinical trials, the Clinical Trials Notification (“CTN”) and Clinical Trials Approval (“CTA”) schemes. These schemes provide avenues through which unapproved therapeutic goods may be lawfully supplied for use solely for experimental purposes in humans. The choice of which route to use (CTN or CTA) lies firstly with the Australian clinical trial sponsor and then with the Human Research Ethics Committee (“HREC”) that approves the protocol.

Clinical trials of medicines and biologics typically proceed through ‘phases’ of development, which are generally as follows: Phase 1 (human pharmacology), Phase 2 (therapeutic exploratory), and Phase 3 (therapeutic confirmatory). Phase 4 may be conducted for post-marketing surveillance or resolution of treatment uncertainties. Clinical development pathways are becoming less rigid with respect to phase, seamless adaptive trial designs and other cross-phase studies. Under the CTN and CTA schemes, the use of therapeutic goods in the trial must be in accordance with the Guideline for Good Clinical Practice, the National Statement and the protocol approved by the HREC responsible for monitoring the conduct of the trial. The trial sponsor must also comply with the requirements of any other relevant Commonwealth and/or state and territory legislation in relation to clinical trials and the supply of therapeutic goods.

A company or organization wishing to supply a therapeutic good in Australia must apply for market authorization from the TGA. The TGA assesses the application, and if market authorization is granted, the therapeutic good is entered on the Australian Register of Therapeutic Goods (“ARTG”). The TGA uses three pathways to evaluate a prescription medicine or biologic: the standard pathway, the priority review pathway and the provisional approval pathway. The TGA is required by statute to complete its evaluation for approval of a medicine or biologic in the standard pathway within 255 working days. The priority review pathway has a target timeframe of 150 working days and allows for a faster assessment of vital and life-saving prescription medicines or biologics. Sponsors of promising new prescription medicines or biologics (with only preliminary clinical data available) can seek fast-tracked registration through the provisional approval pathway. All pathways require evidence that the products are made according to Good Manufacturing Practice (“GMP”). GMP describes principles and procedures to ensure therapeutic goods are of high quality. The TGA inspects Australian (and some overseas) manufacturers to ensure compliance with GMP standards.

The evaluation and approval process of a new medicine or biologic in Australia generally follows:

- Pre-submission: Before submitting an application, potential sponsors should ensure that the proposed product meets the eligibility requirements for the relevant prescription medicine or biologic evaluation pathway. Applicants can arrange a free optional pre-submission meeting with the TGA prior to submitting the application for a new medicine or biologic;
- Application submission: Applications are created and lodged through TGA Business services;
- Preliminary assessment: The TGA will conduct a preliminary assessment of the application to determine whether it meets the administrative requirements and basic technical eligibility requirements to proceed to evaluation;
- Evaluation and requests for information: Once an application has passed preliminary assessment and the evaluation fee has been paid, the application enters the evaluation phase. During this phase, the TGA assesses the application, reviews any responses to requests for information, and documents the findings. The TGA may decide to seek advice from an expert advisory committee, such as the Advisory Committee for Complementary Medicines (“ACCM”);
- The decision: When making the decision under section 26AE of the Act on whether to list the medicine in the ARTG, the decision maker (the delegate of the Secretary of the Department of Health) will review all documentation associated with the application, including the dossier, evaluation reports, responses to requests for information, and advice from expert advisory committees;
- Finalization: Sponsors need to provide a patent certificate under subsection 26B(1) of the Act, or notification that this is not required before the medicine or biologic can be listed in the ARTG; and
- Conduct post-marketing requirements, if any: A product may be selected for a post-market compliance review at any time. The TGA will check the assessed listed product’s compliance against the regulatory requirements that are self-certified by the sponsor.

Therapeutic goods generally need to be entered on the ARTG before they can be sold in Australia. However, there are several ways that patients can gain access to products that have not been approved for use in Australia:

- The Special Access Scheme (“SAS”) allows a health practitioner to access an unapproved therapeutic good for an individual patient on a case-by-case basis;
- Medical professionals can apply to the TGA to become an ‘Authorised Prescriber’ of a specific unapproved good to specific patients with a particular medical condition. In some instances, doctors also need to have their applications approved by a human research ethics committee or endorsed by a specialist college;
- Depending on the level of risk involved, the sponsor of a clinical trial can either notify or apply to the TGA to use an unapproved good in the trial;
- Under the Personal Importation Scheme, individuals can legally import a three-month supply of some unapproved therapeutic goods for personal use without TGA approval. A prescription from an Australian-registered medical practitioner is required for S4 and S8 medicines;
- If a medicine included in the ARTG is in short supply, the Secretary (or delegate) can approve the import and supply of a substitute medicine that is not on the ARTG. In some instances, pharmacists are allowed to substitute medicines, including different strengths or forms of a product, without a prescribing doctor’s approval where a medicine is unavailable.

Other International Regulations

In addition to regulations in the U.S. and Australia, there are a variety of foreign regulations governing clinical studies and commercial sales and distribution of our future product candidates. Whether or not FDA or HREC approval is obtained for a product, approval of a product must be obtained by the comparable regulatory authorities of foreign countries before clinical studies or marketing of the product can commence in those countries. The approval process varies from country to country, and the time may be longer or shorter than that required for FDA or HREC approval. The requirements governing the conduct of clinical studies, product licensing, pricing and reimbursement vary greatly from country to country. In addition, certain regulatory authorities in select countries may require us to repeat previously conducted preclinical and/or clinical studies under specific criteria for approval in their respective country, which may delay and/or greatly increase the cost of approval in certain markets targeted for approval by us.

Under the European Union (“EU”) regulatory systems, marketing applications for medicinal products (including pharmaceutical and biologic products) are typically submitted under a centralized procedure to the European Medicines Agency (“EMA”). The centralized procedure provides for the granting of a single marketing authorization that is valid for all EU member states. The EMA also has designations for Orphan Medicinal Products, which, if applicable, can provide for faster review, lower fees and more access to advice during drug development. While the marketing authorization in the EU is centralized, the system for clinical studies (application, review and requirements) is handled by each individual country. Approval to run a clinical study in one country does not guarantee approval in any other country. The pharmaceutical industry in Canada is regulated by Health Canada. A New Drug Submission (“NDS”) is the equivalent of a U.S. NDA or BLA and must be filed to obtain approval to market a pharmaceutical or biologic product in Canada. Marketing regulations and reimbursement are subject to national and provincial laws. In Japan, applications for approval to manufacture and market new pharmaceutical or biologic products must be approved by the Ministry of Health, Labor and Welfare. Nonclinical and clinical studies must meet the requirements of Japanese laws. Results from clinical studies conducted outside of Japan must be supplemented with at least a bridging clinical study conducted in Japanese patients.

In addition to regulations in Europe, Canada, Japan, Australia and the U.S., there are a variety of foreign regulations governing clinical studies, commercial distribution and reimbursement of future product candidates which we may be subject to as we pursue regulatory approval of ALXN1840, the MNPR-101 radiopharmaceutical program, or any future product candidates internationally.

Compliance with Environmental Laws

Historically, we have not operated our own laboratory or manufacturing facilities. As a result, we have not incurred any costs of compliance with environmental laws. However, we are in the process of setting up a radiopharmaceutical laboratory and exploring potential manufacturing operations. As a result, we would be subject to regulation under various state and federal environmental and worker safety laws, including the Occupational Safety and Health Act, the Resource Conservation and Recovery Act, the Comprehensive Environmental Response, Compensation and Liability Act and the Toxic Substances Control Act, each as amended from time to time. These and other laws and their implementing regulations govern our manufacture, use, storage, handling, transportation and disposal of various biological, chemical, radioactive and other hazardous substances used in our operations and the wastes generated by those activities. We cannot eliminate the risk of accidental contamination or discharge and any resultant injury from these substances. We may face liability for any injury or contamination that results from our use or the use by third parties of those substances, and such liability may exceed our insurance coverage and our total assets. While our environmental and worker safety compliance costs have not had a material adverse effect on our results of operations, there can be no assurance that such costs will not be material in the future or that such future compliance will not have a material adverse effect on our business and operational results.

Employees

As of March 17, 2026, we had twenty-two employees, all were full-time. We anticipate hiring additional employees in regulatory affairs, clinical operations, commercial and other departments to help manage regulatory submissions, clinical studies, manufacturing, commercialization activities, business development and corporate strategy. In addition, to complement our internal expertise, we have contracts with medical and scientific consultants, manufacturers, laboratories, and contract research and development organizations that specialize in various aspects of drug development including clinical development, preclinical development, manufacturing, quality assurance, and regulatory affairs.

Corporate Information

We were formed as a Delaware limited liability company in December 2014, with the name Monopar Therapeutics, LLC. In December 2015, we converted to a Delaware C corporation. Our principal executive offices are located at 1000 Skokie Blvd, Suite 350, Wilmette, IL 60091. Our telephone number is (847) 388-0349. Our corporate website is located at www.monopartx.com. Any information contained in or that can be accessed through our website is not incorporated by reference in this Annual Report on Form 10-K.

Trademark Notice

All trademarks, service marks and trade names in this Annual Report on Form 10-K are the property of their respective owners. We have omitted the ® and ™ designations, as applicable, for the trademarks used herein.

Available Information

Our corporate website is located at www.monopartx.com. The reference to these website addresses does not constitute incorporation by reference of the information contained on the websites and should not be considered part of this Annual Report on Form 10-K.

We intend to satisfy any disclosure requirement under Item 5.05 of Form 8-K regarding an amendment to, or waiver from, a provision of our Code of Business Conduct and Ethics by posting such information on our website as specified above.

Item 1A. Risk Factors

RISK FACTORS

An investment in our common stock involves a high degree of risk. A prospective investor should carefully consider the following information about these risks, together with other information appearing elsewhere in this Annual Report on Form 10-K, before deciding to invest in our common stock. The occurrence of any of the following risks could have a material adverse effect on our business, financial condition, results of operations and future growth prospects, and prospective investors could lose all or part of their investment. The risk factors discussed below and elsewhere in this Annual Report on Form 10-K are not exhaustive; other significant risks may exist that are not identified in this Annual Report on Form 10-K, but that might still materially and adversely affect our business, prospects, financial condition, and results of operations were any of such risks to occur.

Risks Related to Our Financial Condition and Capital Requirements

We have a limited operating history, expect to incur significant operating losses, and have a high risk of never being profitable.

We commenced operations in December 2014 and have an operating history of approximately eleven years. Our prospects must be considered in light of the uncertainties, risks, expenses, and difficulties frequently encountered by biopharmaceutical companies in their early and late clinical stages of operations. Many, if not most, companies in our industry at our stage of development never become profitable and are acquired, merged, or liquidated before successfully developing any product that generates revenue and becomes profitable from commercial sales.

From inception in December 2014 through December 31, 2025, we have incurred losses of approximately \$89.5 million. We expect to continue to incur substantial operating losses over the next several years for the clinical development of our current and future licensed or purchased product candidates. We expect that our research and development (“R&D”) and general and administrative (“G&A”) expenses will increase to enable the execution of our strategic plan. As a result, we anticipate that we will seek additional capital to fund our future operations. We may seek capital through a combination of equity offerings, including at-the-market sales programs, debt financings, strategic collaborations and grant funding. To date, we have funded our operations through net proceeds from public and private equity offerings and the net receipt of funds related to an asset purchase transaction.

The amount of future losses and when, if ever, we will become profitable are uncertain. To date, we do not have any products that have generated revenues from commercial sales. Our ability to generate revenue and achieve profitability will depend on, among other things, successfully completing the development of our product candidates; obtaining necessary regulatory approvals from the FDA and international regulatory agencies; establishing manufacturing/quality, sales, and marketing and distribution arrangements with third parties; obtaining adequate reimbursement by third-party payers; and raising sufficient funds to finance our activities. If we are unsuccessful at some or all of these undertakings, our business, financial condition, and results of operations are expected to be materially and adversely affected.

We may need to raise additional funding or find one or more suitable pharmaceutical partners to continue to advance our clinical programs; finance our regulatory, pre-commercial and commercial activities; and support our preclinical studies.

To be commercially viable, we must successfully research, develop, test, obtain regulatory approval for, manufacture, introduce, market and distribute some or all of our current product candidates including ALXN1840, MNPR-101-Zr, MNPR-101-Lu, MNPR-101-Ac, and, if applicable, any other product candidates we may develop. The estimated requisite capital and timeframes to achieve these developmental milestones as described in this Annual Report on Form 10-K or as we may state from time to time, are subject to inherent risks which are beyond our control. The regulatory, pre-commercial and commercial activities for ALXN1840, and the clinical development of MNPR-101-Zr and MNPR-101-Lu will require significant funds.

Our cash, cash equivalents and investments as of December 31, 2025, were \$140.4 million. We expect that our current funds will be sufficient at least through December 31, 2027, in order for us to: (1) assemble a regulatory package and file an NDA for the in-licensed ALXN1840 investigational drug candidate for Wilson disease; (2) continue to conduct and conclude our first-in-human imaging and dosimetry clinical trial with MNPR-101-Zr, continue to conduct our first-in-human therapeutic clinical trial of MNPR-101-Lu, and advance our preclinical MNPR-101-Ac program into the clinic; and (3) invest in internal R&D projects to expand our radiopharmaceutical pipeline. However, if successful, to commercialize ALXN1840 and complete the MNPR-101 radiopharmaceutical clinical programs, we will require additional significant funding. If we are able to raise financing when needed, it may be on terms that are unfavorable to us and if we are unable to raise sufficient funds or find a suitable pharmaceutical partner, we may have to discontinue or delay clinical development of our current or future product candidates.

If we continue to incur operating losses and fail to obtain the capital necessary to fund our operations, we will be unable to advance our development programs, complete our clinical trials, or bring products to market, or may be forced to reduce or cease operations entirely. In addition, any capital obtained by us may be obtained on terms that are unfavorable to us, our investors, or both.

While we believe adequate cash is currently available to operate at least through December 31, 2027, developing a new product candidate, conducting clinical trials, and undergoing the regulatory review processes for one or more disease indications, as well as preparing for commercialization, involve substantial costs. We have projected cash requirements for the near term based on a variety of assumptions, but some or all such assumptions are likely to be incorrect and/or incomplete, possibly in a materially adverse direction. Our actual cash needs may deviate materially from those projections, changes in market conditions or other factors may increase our cash requirements, and/or we may be unsuccessful in raising near-term projected cash needs. We will need to raise additional capital in the future; the amount of additional capital needed will vary based on a number of factors, including without limitation the following:

- receiving less funding than we require;
- higher than expected costs to manufacture and ship our active pharmaceutical ingredients, biologic drug substances, radioisotopes, and our product candidates;
- higher than expected costs for preclinical testing;
- the cost and availability of radioisotopes such as Ac-225, Lutetium-177 or Zr-89, or any other medical isotope we may incorporate into our product candidates;
- an increase in the number, size, duration, and/or complexity of our clinical trials;
- slower than expected progress in developing our MNPR-101 radiopharmaceutical program, other product candidates, including without limitation, additional costs caused by program delays;
- higher than expected costs associated with attempting to obtain regulatory approvals, especially as they relate to ALXN1840, including without limitation additional costs caused by additional regulatory requirements or larger clinical trial requirements, as well as costs associated with preparing for potential commercialization;
- higher than expected personnel, consulting or other costs, such as adding personnel or industry expert consultants or pursuing the licensing/acquisition of additional assets; and
- higher than expected costs to protect our intellectual property portfolio or otherwise pursue our intellectual property strategy.

When we attempt to raise additional financing, there can be no assurance that we will be able to secure such additional financing in sufficient quantities or at all. We may be unable to raise additional capital for reasons including, without limitation, our operational and/or financial performance, investor confidence in us and the biopharmaceutical industry, credit availability from banks and other financial institutions, the status of current projects, and our prospects for obtaining any necessary regulatory approvals. General economic and financial market conditions, which have recently been impacted by inflation, bank instability and other factors, can also adversely impact our ability to raise additional financing. Potential investors' capital investments may have shifted to other opportunities with perceived greater returns and/or lower risk, thereby reducing capital available to us, if available at all.

In addition, any additional financing might not be available, and even if available, may not be available on terms acceptable to us or our then-existing investors. We will seek to raise funds through public or private equity offerings, including at-the-market sales programs, debt financings, corporate collaboration or licensing arrangements, mergers, acquisitions, sales of intellectual property, or other financing vehicles or arrangements. To the extent that we raise additional capital by issuing equity securities or other securities, our then-existing investors will experience dilution. If we raise funds through debt financings or bank loans, we may become subject to restrictive covenants, our assets may be pledged as collateral for the debt, and the interests of our then-existing investors would be subordinated to the debt holders or banks. In addition, our use of and ability to exploit assets pledged as collateral for debt or loans may be restricted or forfeited. To the extent that we raise additional funds through collaboration or licensing arrangements, we may be required to relinquish significant rights (including without limitation intellectual property rights) to our technologies or product candidates, or grant licenses on terms that are not favorable to us. If we are not able to raise needed funding under acceptable terms or at all, then we will have to reduce expenses, including the possible options of curtailing operations, abandoning opportunities, licensing or selling off assets, reducing costs to a point where clinical development or other progress is impaired, or ceasing operations entirely.

Market variables, such as inflation of product costs, labor rates and fuel, freight and energy costs, tariffs, as well as geopolitical events could likely cause us to suffer significant increases in our operating and administrative expenses.

In the wake of the COVID-19 pandemic, the Russia-Ukraine war, the Israel-Hamas conflict, the developments in Venezuela, the conflict between the U.S., Israel and Iran and the ongoing instability in Persian Gulf states and other geopolitical factors, economic conditions have become strained, with inflation and supply chain challenges impacting businesses worldwide along with potential new tariffs. These conditions affect fuel costs and shipping, resulting in higher costs and delays for various types of supplies. These cost increases, tariffs, and delays may affect our clinical material manufacturing which will likely have an adverse effect on our financial condition. In addition, the effects of responses to inflationary conditions, such as significantly increased interest rates, on the economy and market conditions are difficult to predict. If U.S. or global economic, trade and financial market conditions continue to be challenged or volatile, or we do not effectively manage our response to these conditions, our operations and financial condition could be adversely affected in a variety of ways.

Unstable market and economic conditions may have serious adverse consequences on our ability to raise funds, which may cause us to delay, restructure or cease our operations.

From time to time, global and domestic credit and financial markets have experienced extreme disruptions, including severely diminished liquidity and credit availability, declines in consumer confidence, declines in economic growth, increases in unemployment rates, and uncertainty about economic stability. Recently, COVID-19, the Russia-Ukraine war, the Israel-Hamas conflict, the developments in Venezuela, the conflict between the U.S., Israel and Iran and the ongoing instability in Persian Gulf states have created volatility and uncertainty. Recent instability in the banking industry has added to the volatility and uncertainty. Our financing strategy will be adversely affected by any such economic downturn, volatile business environment and continued unpredictable and unstable market conditions. If the equity and credit markets deteriorate, it may make debt or equity financing more difficult to complete, costlier, and more dilutive. Failure to secure any necessary financing in a timely manner and on favorable terms will have a material adverse effect on our business strategy and financial performance, and could require us to cease or delay our operations.

Our operations and financial results could be adversely impacted by resurgences of COVID-19 or any future pandemics, which may negatively impact our ability to manufacture our product candidates for our clinical trials, our ability to accrue and conduct our clinical trials, and may delay regulatory agency responses. Any such impact will negatively impact our financial condition and could require us to delay our clinical development programs.

If there is a resurgence of COVID-19 or any future pandemics arise, we may experience disruptions that could severely impact our business, preclinical studies and clinical trials, including:

- Delays in receiving approval from the FDA, the TGA in Australia and other foreign regulatory authorities to initiate our planned clinical trials;
- Delays or difficulties in enrolling and monitoring patients in our clinical trials;
- Delays or difficulties in clinical site initiation, including difficulties in recruiting clinical site investigators and clinical site staff;
- Delays in trial drug shipments due to vaccine shipments tying up available pharmaceutical product shipping lanes and increasing their cost;
- Diversion of healthcare resources away from the conduct of clinical trials, including the diversion of hospitals serving as our clinical trial sites and hospital staff supporting the conduct of our clinical trials;
- Risk that participants enrolled in our clinical trials will acquire diseases while the clinical trial is ongoing, which could impact the results of the clinical trial, including by increasing the number of observed adverse events;
- Interruption of key clinical trial activities, such as clinical trial site data monitoring, due to limitations on travel imposed or recommended by federal or state governments, employers and others or interruption of clinical trial subject visits and study procedures, which may impact the integrity of subject data and clinical study endpoints;
- Interruption or delays in the operations of the FDA, the TGA, and other foreign regulatory agencies, which may impact approval timelines;
- Interruption of, or delays in receiving, supplies of our product candidates from our contract manufacturing organizations due to staffing or supply shortages, production slowdowns, global shipping delays or stoppages and disruptions in delivery systems;
- Limitation on employee resources that would otherwise be focused on the conduct of our preclinical studies and clinical trials, including because of sickness of our employees or their families or the desire of employees to avoid contact with large groups of people;
- Refusal of the FDA, the TGA, and other foreign regulatory authorities to accept data from clinical trials in affected geographies; and
- Impacts from prolonged remote work arrangements, such as increased cybersecurity risks.

The extent to which the long-term effects of COVID-19 or any future pandemics further impact our business, including our preclinical studies and clinical trials, results of operations and financial condition, will depend on future developments which remain highly uncertain and cannot be predicted with confidence.

Risks Related to Clinical Development and Regulatory Approval

There are risks and uncertainties associated with our recently acquired ALXN1840 program which could result in delays in development or in gaining marketing approval, if at all, and such delays will negatively impact our financial condition.

Although Alexion completed a pivotal Phase 3 trial with ALXN1840, which met its primary endpoint as described elsewhere in this Annual Report on Form 10-K, Alexion terminated the ALXN1840 program in Wilson disease based on a review of results from the Phase 2 mechanistic trials and discussions with the regulatory authorities. Their analysis of the Phase 2 mechanistic trials was that they failed to demonstrate a net-negative copper balance in Wilson disease patients during short-term treatment with ALXN1840 and to reduce hepatic copper concentration after treatment with ALXN1840. The decision not to progress the ALXN1840 program in Wilson disease was not related to any safety signals.

In the near term, we will be continuing to focus on assembling a regulatory package and submitting an NDA. These activities will provide clarity on the additional capital needed for the program.

The regulatory approval process is lengthy, expensive and uncertain. The FDA and other regulatory agencies around the world could require us to perform additional nonclinical and/or clinical studies to obtain ALXN1840 approval, which we may not be able to raise the capital to complete or the results of which may not meet the level of clinical or statistical significance required by the FDA and other regulatory agencies. What the FDA and other regulatory agencies require for approval could have a material impact on the timelines and/or capital required to get ALXN1840 approved. Even if approved, market adoption could be slower or lower than expected, especially given competition from existing therapies or new ones that get approved. While we believe the data supports a broad label for Wilson disease patients across the severity spectrum, the patient population for which we may ultimately receive approval from the FDA, if any, could be much smaller. Being an orphan indication, this could result in a very small eligible patient population. Additionally, if the currently filed patents do not end up providing sufficient protection, we will be heavily reliant on the orphan drug designation protections in the U.S. and EU.

Radiopharmaceuticals are a relatively novel approach to cancer imaging and treatment, which may create significant and potentially unpredictable challenges for them.

Our future success depends on the successful development of our product candidates, including MNPR-101 for radiopharmaceutical use and any future radiopharmaceutical agent(s) that we may develop in-house, in-license or acquire, which are designed to image, identify or treat cancers by targeted delivery of radioisotopes to tumors. While radiation as a therapy for cancers has existed for decades, oncology treatment using systemic delivery of targeted radiopharmaceuticals in general is relatively new. Only a few therapies utilizing systemic delivery of radioisotopes have been approved globally, and only a limited number of clinical trials of products based on radioisotope therapies have been conducted. There are currently no approved therapies which use Ac-225, which we are exploring with MNPR-101. Global supply of Ac-225 is also currently limited and may not be capable of expanding sufficiently to provide the amounts required on a commercial scale. As such, it is difficult to accurately predict the developmental challenges that we may incur for our product candidates as they proceed through product discovery or identification, preclinical studies and clinical trials, and, if approved, commercialization. In addition, there may be long-term effects from radiopharmaceutical treatment, including late radiation toxicity, with any of our current or future product radiopharmaceutical candidates that we cannot predict at this time. It is difficult for us to predict the time and cost of the development of our product candidates. Any of these factors may prevent us from completing our preclinical and clinical trials that we may initiate, or from commercializing any product candidates we may develop on a timely or profitable basis, if at all. In addition, the success of our current and future radiopharmaceutical programs will depend on several factors, including the following:

- sourcing clinical and, if approved for commercialization, commercial supplies for the materials, such as radioisotopes, used to manufacture our product candidates;
- sourcing or establishing manufacturing capabilities to produce adequate amounts of our product candidates;
- securing a reliable supply chain for our product candidates given that isotope half-life times are limited;
- utilizing imaging agents to visualize tumor uptake in advance of administering our therapeutic candidates, which may increase the risk of adverse side effects;

- facilitating patient access to the limited number of facilities able to administer our product candidates;
- using medicines to manage adverse side effects of our drug candidates that may not adequately control the side effects or that may have detrimental impacts on the efficacy of the treatments; and
- establishing sales and marketing capabilities upon obtaining any regulatory approval to gain market acceptance of our novel radiopharmaceutical imaging and therapeutics.

The lengthy process of seeking required approvals and the continuing need for compliance with applicable statutes and regulations require the expenditure of substantial resources, and approvals are inherently uncertain. If any of our radiopharmaceutical program product candidates are approved, their commercial success will depend upon competitive products, public perception of radioisotopes and the degree of their market acceptance by physicians, patients, healthcare payers and others in the medical community.

Adverse events in clinical trials of our product candidates or in clinical trials of others developing radiopharmaceuticals or similar agents and the resulting negative publicity, as well as any other adverse events in the field of radiopharmaceuticals that may occur in the future, could result in a decrease in demand for our product candidates. Also, the future success of our drug candidates, if approved, will depend on gaining and maintaining acceptance by physicians, patients, third-party payers and other members of the medical community as being efficacious and cost-effective alternatives to competing products and treatments.

Due to the radioactive nature of MNPR-101-Zr imaging and MNPR-101 therapeutic agents, as well as our future radiopharmaceutical candidates, once manufactured, our drug candidates will have time-limited stability, and as a result, we may encounter difficulties with fulfillment and logistics. If we or our manufacturers are unable to meet the challenges posed by the time limitations inherent in the composition of our MNPR-101 radiopharmaceutical program or any of our future drug candidates, it would adversely affect our business, financial condition, results of operations and prospects.

We expect our other radiopharmaceutical drug candidates to also have time-limited stability. As such, our drug candidates, including our MNPR-101 radiopharmaceutical program, must be manufactured on an as-needed basis, and shipped almost immediately thereafter. Because our drug candidates, including our MNPR-101 radiopharmaceutical program, cannot be “stockpiled” and stored for even a small number of days ahead of shipment, we or any third-party manufacturer must be able to manufacture our drug candidates on a rolling basis, and any kind of delays, even if seemingly insignificant, could result in an immediate and substantial impact on our ability to deliver the drug candidate to patients. Any significant delays in delivering drug candidates to patients could damage our reputation and result in deviations from our clinical trial protocols, which in turn could affect our ability to advance the preclinical and clinical development of our MNPR-101 radiopharmaceutical program or our other current and future radiopharmaceutical candidates on a timely basis, or at all. We do not currently maintain a manufacturing facility, and therefore we currently rely on third-party manufacturers for the production of our MNPR-101 radiopharmaceutical program in connection with our ongoing studies. We cannot be sure that such manufacturers will be able to meet our demand for our radiopharmaceutical program on a timely basis.

In addition, once manufactured, our MNPR-101 radiopharmaceutical program and future radiopharmaceutical drug candidates in the clinic must be quickly and safely transported to the applicable clinical trial site. As we scale our operations and enroll larger clinical trials, and prepare for potential commercialization, we will need to scale our shipping capabilities. Labor disputes, government restrictions, work stoppages, pandemics, derailments, damage or loss events, adverse weather conditions, and other events beyond our control could interrupt or delay transportation, which could result in damage to our MNPR-101 radiopharmaceutical program or any current or future drug candidates with similar shelf-life restrictions.

If we or our manufacturers are unable to meet the challenges posed by the time limitations inherent in the composition of our MNPR-101 radiopharmaceutical program or any of our current or future drug candidates, it would adversely affect our business, financial condition, results of operations and prospects.

Perceptions of these challenges and risks in the market may adversely impact our stock price and our ability to successfully raise funding as we focus our preclinical and clinical efforts on our radiopharmaceutical program.

We do not have and may never have any approved products on the market. Our business is highly dependent upon receiving approvals from various U.S., Australian, and international governmental agencies and will be severely harmed if we are not granted approval to manufacture and sell our product candidates.

In order for us to commercialize any treatment for Wilson disease, cancer or any other disease indication, we must obtain regulatory approvals of such treatment for that indication. Satisfying regulatory requirements is an expensive process that takes many years and involves compliance with requirements covering research and development, testing, manufacturing, quality control, labeling and promotion of drugs for human use. To obtain necessary regulatory approvals, we must, among other requirements, complete clinical trials demonstrating that our products are safe and effective for a particular indication. There can be no assurance that our products will prove to be safe and effective, that our clinical trials will demonstrate the necessary safety and effectiveness of our product candidates, or that we will succeed in obtaining regulatory approval for any treatment we develop even if such safety and effectiveness are demonstrated.

Any delays or difficulties we encounter in our clinical trials may delay or preclude regulatory approval from the FDA, or from international regulatory organizations. Any delay or preclusion of regulatory approval would be expected to delay or preclude the commercialization of our products. Examples of delays or difficulties that we may encounter in our clinical trials include, without limitation, the following:

- Clinical trials may not yield sufficiently conclusive results for regulatory agencies to approve the use of our products.
- Our products may fail to be more effective than current therapies, or to be effective at all.
- We may discover that our products have adverse side effects, which could cause our products to be delayed or precluded from receiving regulatory approval or reduce the effective size of our target patient population or otherwise expose us to significant commercial and legal risks.
- It may take longer than expected to determine whether or not a treatment is safe and effective.
- Patients involved in our clinical trials may suffer severe adverse side effects even up to death, whether as a result of treatment with our products, the withholding of such treatment, or other reasons which may not include the effects of our treatment (whether within or outside of our control).
- We may fail to be able to enroll a sufficient number of patients in our clinical trials to meet trial statistical plans and gain statistical significance, or it may take longer than expected to enroll.
- Patients enrolled in our clinical trials may not have the safety or efficacy characteristics necessary to obtain regulatory approval for a particular indication or patient population.
- We may be unable to produce sufficient quantities of the product to complete the clinical trials.
- Even if we are successful in our clinical trials, required governmental approvals may still not be obtained or, if obtained, may not be maintained.
- If approval for commercialization is granted, it is possible the authorized use will be more limited than is necessary for commercial success, or that approval may be conditioned on completion of further clinical trials or other activities, which will cause a substantial increase in costs and which we might not succeed in performing or completing.
- If granted, approval may be withdrawn or limited if problems with our products emerge or are suggested by the data arising from their use or if there is a change in law or regulation.

Any success we may achieve at a given stage of our clinical trials does not guarantee that we will achieve success at any subsequent stage, including without limitation final FDA or other regulatory organizations' approval.

We may encounter delays or rejections in the regulatory approval process because of additional government regulation resulting from future legislation or administrative action, or from changes in the policies of the FDA or other regulatory bodies during the period of product development, clinical trials, or regulatory review. Failure to comply with applicable regulatory requirements may result in criminal prosecution, civil penalties, recall or seizure of products, total or partial suspension of production, or an injunction preventing certain activity, as well as other regulatory action against our product candidates or us. As a company, we have no experience in successfully obtaining regulatory approval for a product and thus may be poorly equipped to gauge, and may prove unable to manage, risks relating to obtaining such approval.

Outside the U.S., our ability to market a product is contingent upon receiving clearances from appropriate non-U.S. regulatory authorities, including the HREC in Australia. Non-U.S. regulatory approval typically includes all of the risks associated with FDA clearance discussed above as well as geopolitical uncertainties and the additional uncertainties and potential prejudices faced by U.S. pharmaceutical companies conducting business abroad. In certain cases, governmental pricing restrictions and practices can make achieving even limited profitability very difficult.

Even if we complete the clinical trials we discussed with the FDA or TGA, there is no guarantee that at the time of submission the FDA or TGA will accept our NDA or BLA based on the trials discussed.

Any future decision by the FDA and TGA will be driven largely by the data generated from prior preclinical and clinical trials, our currently ongoing, or any future planned trials. However, the FDA and other regulatory organizations, including the TGA, will learn from their total experience in the review of multiple drugs in multiple indications and they will apply that knowledge of broad and diverse experience even if less than a perfect match with our product. If the FDA or TGA require additional clinical trials, it will increase our costs, delay our potential path to commercialization and could materially affect our financial condition.

As a company, we have never completed a clinical trial and have limited experience in completing regulatory filings and any delays in regulatory filings could materially affect our financial condition.

While members of our team have conducted numerous clinical trials at previous companies, and have launched and marketed innovative pharmaceutical products in the U.S. and internationally, as a company, we have not yet completed any clinical trials of our product candidates, nor have we demonstrated the ability to obtain marketing approvals, manufacture product candidates on a commercial scale, or conduct sales and marketing activities necessary for the successful commercialization of a product. Consequently, we have no historical basis as a company by which one can evaluate or predict reliably our future success or viability.

Additionally, while our team has experience at prior companies with regulatory filings, as a company, we have limited experience with regulatory filings with agencies such as the FDA, TGA, or EMA. Any delay in our regulatory filings for our product candidates, and any adverse development or perceived adverse development with respect to the applicable regulatory authority's review of such filings, including, without limitation, the FDA's issuance of a "refuse to file" letter or a request for additional information, could materially affect our financial condition.

We, or any future collaborators, may not be able to obtain and maintain orphan drug exclusivity for our product candidates in the U.S. and Europe.

ALXN1840 has been granted orphan drug designation for the treatment of Wilson disease in the U.S. and in the EU. We may seek additional orphan drug designations or regulatory incentives for our pipeline product candidates, for other indications or for future product candidates. There can be no assurances that we will be able to obtain such designations.

Even if we obtain orphan drug designation for a product candidate, we may not be able to maintain orphan drug exclusivity for that drug. For example, in certain geographies, orphan drug designation may be removed if the prevalence of an indication increases beyond the patient number limit required to maintain such designation. Generally, if a drug with an orphan drug designation subsequently receives the first marketing approval for the indication for which it has such designation, the drug is entitled to a period of marketing exclusivity, which precludes the EMA or the FDA from approving another marketing application for the same product in the same indication for that time period. Orphan drug exclusivity may be lost if the FDA or EMA determines that the request for designation was materially defective or if the manufacturer is unable to ensure sufficient quantity at the specified quality of the product to meet the needs of patients with the rare disease or condition. Moreover, even after an orphan drug is approved, the FDA can subsequently approve a different drug for the same condition if the FDA concludes that the later drug is clinically superior in that it is shown to be safer, more effective or makes a major contribution to patient care compared to our product.

The FDA may reevaluate the Orphan Drug Act and its regulations and policies, and similarly the EMA may reevaluate its policies and regulations. We do not know if, when, or how the FDA or EMA may change their orphan drug regulations and policies in the future, and it is uncertain how any changes might affect our business. Depending on what changes the FDA and/or EMA may make to their orphan drug regulations and policies, our business could be adversely impacted.

If serious adverse or undesirable side effects are identified during the development of our product candidates, we may abandon or limit our development or commercialization of such product candidates.

If our product candidates are associated with undesirable side effects or have unexpected characteristics, we may need to abandon their development or limit development to certain uses or subpopulations in which the undesirable side effects or other characteristics are less prevalent, less severe or more acceptable from a risk-benefit perspective.

If we elect to or are forced to suspend or terminate any clinical trial with one of our product candidates, the commercial prospects of such product candidate will be harmed, and our ability to generate revenue from such product candidate will be delayed or eliminated. Any of these occurrences may harm our business, financial condition and prospects significantly.

If we experience delays or difficulties in the enrollment of subjects to our clinical trials, our receipt of necessary regulatory approvals could be delayed or prevented, which could materially affect our financial condition.

Identifying, screening and enrolling patients to participate in clinical trials of our product candidates is critical to our success, and we may not be able to identify, recruit, enroll and dose a sufficient number of patients with the required or desired characteristics to complete our clinical trials in a timely manner. The timing of our clinical trials depends on our ability to recruit patients to participate as well as to subsequently dose these patients and complete required follow-up periods.

In addition, we may experience enrollment delays related to increased or unforeseen regulatory, legal and logistical requirements and COVID-19-related or other future pandemic-related as well as issues related to currently ongoing or any future geopolitical risks at certain clinical trial sites. These delays could be caused by reviews by regulatory authorities and contractual discussions with individual clinical trial sites. Any delays in enrolling and/or dosing patients in our current clinical trials could result in increased costs, delays in advancing our product candidates, delays in testing the effectiveness of our product candidates or in termination of the clinical trials altogether.

Patient enrollment may be affected if our competitors have ongoing clinical trials with products for the same indications as our product candidates, and patients who would otherwise be eligible for our clinical trials instead enroll in our competitors' clinical trials. Patient enrollment may also be affected by other factors, including:

- delays in U.S., Australian or other foreign regulatory approvals to start the clinical trial;
- coordination with any clinical research organizations to enroll and administer the clinical trials;
- coordination and recruitment of collaborators and investigators at individual sites;
- size of the patient population and the effectiveness of the process for identifying patients;
- design of the clinical trial protocol;
- eligibility and exclusion criteria;
- perceived therapeutic risks and benefits of the product candidates being studied;
- availability of competing commercially available therapies and other competing products' clinical trials;
- time of year in which the trials are initiated or conducted;
- severity and prognosis of the diseases under investigation;
- ability to obtain and maintain subject consents;
- ability to enroll and treat patients in a timely manner;
- risk that enrolled subjects will drop out before completion of the trials;
- proximity and availability of clinical trial sites for prospective patients;
- ability to monitor subjects adequately during and after treatment;
- logistical challenges posed by the time-limited shelf-life of our current or future drug candidates;
- patient referral practices of physicians; and
- potential long-term effects of COVID-19, any resurgences thereof or any future pandemics.

Our inability to enroll a sufficient number of patients for clinical trials would result in significant delays and could require us to abandon one or more clinical trials altogether. Enrollment delays in these clinical trials may result in increased development costs for our product candidates, which could materially affect our financial condition.

If we or our licensees, development collaborators, or suppliers are unable to manufacture our products in sufficient quantities or at defined quality specifications, or are unable to obtain regulatory approvals for the manufacturing facility, we may be unable to develop and to meet the demand for our products and lose time to market and potential revenues.

Completion of our clinical trials and commercialization of our product candidates require access to, or development of, facilities to manufacture a sufficient supply of our product candidates. We will utilize third parties to manufacture our MNPR-101 radiopharmaceutical program. We currently have manufacturing arrangements for MNPR-101-Zr and MNPR-101-Lu for clinical use. We are utilizing elements of the existing supply chain that was used in the most recent clinical studies for ALXN1840, and we have engaged these vendors as our contract manufacturers for the supply of API and drug product.

In the future we may become unable, for various reasons, to rely on our sources for the manufacture of our product candidates, either for clinical trials or, at some future date, for commercial distribution. We may not be successful in identifying additional or replacement third-party manufacturers, or in negotiating acceptable terms with any we do identify. We may face competition for access to these manufacturers' facilities and may be subject to manufacturing delays if the manufacturers give other clients higher priority than they give to us. Even if we are able to identify an additional or replacement third-party manufacturer, the delays and costs associated with establishing and maintaining a relationship with such manufacturer may have a material adverse effect on us.

Before we can begin to commercially manufacture ALXN1840, MNPR-101-Zr, MNPR-101-Lu, or any other product candidate, we must obtain regulatory approval of the manufacturing facility and process. Manufacturing of drugs for clinical and commercial purposes must comply with current Good Manufacturing Practice requirements, commonly known as "cGMP." The cGMP requirements govern quality control and documentation policies and procedures. Complying with cGMP and non-U.S. regulatory requirements will require that we expend time, money, and effort in production, recordkeeping, and quality control to ensure that the product meets applicable specifications and other requirements. We, or our contracted manufacturing facility, must also pass a pre-approval inspection prior to FDA or TGA approval. Failure to pass a pre-approval inspection will likely significantly delay or prevent FDA, TGA or other international regulatory agencies' approval of our products. If we fail to comply with these requirements, we would be subject to possible regulatory action and may be limited in the jurisdictions in which we are permitted to sell our products and will lose time to market and potential revenues.

It is uncertain whether product liability insurance will be adequate to address product liability claims, or that insurance against such claims will be affordable or available on acceptable terms in the future.

Clinical research involves the testing of new drugs on human volunteers pursuant to a clinical trial protocol. Such testing involves a risk of liability for personal injury to or death of patients due to, among other causes, adverse side effects, improper administration of the new drugs, or improper volunteer behavior. Claims may arise from patients, clinical trial volunteers, consumers, physicians, hospitals, companies, institutions, researchers, or others using, selling, or buying our products, as well as from governmental bodies including a possibility in some states for product liability claims being made based on generic copies of our drugs. In addition, product liability and related risks are likely to increase over time, in particular upon the commercialization or marketing of any products by us or parties with which we enter into development, marketing, or distribution collaborations. Although we have obtained product liability insurance in connection with our clinical trials, there can be no assurance that the amount and scope of such insurance coverage will be appropriate and sufficient in the event any claims arise, that we will be able to secure additional coverage should we attempt to do so, or that our insurers would not contest or refuse any attempt by us to collect on such insurance policies. Regardless of their merit or eventual outcome, product liability claims may result in:

- withdrawal of clinical trial volunteers;
- decreased demand for our products when approved;
- injury to our reputation and significant, adverse media attention; and
- potentially significant litigation costs, including without limitation, any damages awarded to the plaintiffs if we lose or settle claims.

If the market opportunities for our current and potential future drug candidates are smaller than we believe they are, our ability to generate product revenues will be adversely affected and our business may suffer.

Our understanding of the number of patients who have Wilson disease, and advanced cancers that express uPAR and are eligible for MNPR-101-Zr, MNPR-101-Lu, and MNPR-101-Ac, is based upon estimates and various scientific publications from governments or academic institutions. These estimates or reports may prove to be incorrect, and new studies may demonstrate or suggest a lower estimated incidence or prevalence of patients who might be eligible or amenable to ALXN1840 or to MNPR-101-Zr, MNPR-101-Lu, or MNPR-101-Ac. Also, eligible or amenable patients may become increasingly difficult to identify and access due to many different factors, such as increasing competition in the Wilson disease and/or radiopharmaceutical space. Moreover, the targetable population for our ALXN1840 and MNPR-101 radiopharmaceutical program may further be reduced if our estimates or addressable populations are erroneous or sub-populations of patients within the addressable populations do not benefit from our ALXN1840 and/or MNPR-101 radiopharmaceutical program.

Risks Related to Our Reliance on Third Parties

We rely on third-party contract manufacturers for all our required raw materials, active pharmaceutical ingredients (“API”) and biologic drug substances, and finished drug products for ALXN1840 and MNPR-101 radiopharmaceutical programs, exposing us to potential delays and compliance inadequacies.

ALXN1840

We do not currently own or operate manufacturing facilities for the production or testing of ALXN1840, nor do we have plans to develop our own manufacturing operations in the foreseeable future. We expect to depend on third-party contract manufacturers for all our required raw materials, API, and finished drug products. We are utilizing elements of the existing supply chain that was used in the most recent clinical studies for ALXN1840, and we have engaged these vendors as our contract manufacturers for the supply of API and Drug Product, which is required for submission of the NDA. Delays from these vendors or compliance inadequacies at these vendor facilities could delay the submission of our NDA and/or approval decision from the FDA.

MNPR-101

We do not currently own or operate manufacturing facilities for the production or testing of MNPR-101 radiopharmaceutical program. We presently depend on third-party contract manufacturers for all our required raw materials, biologic drug substances, and finished drug products for our preclinical and clinical studies. We are having clinical batches of MNPR-101-Zr and MNPR-101-Lu manufactured by external vendors for use in treating patients in our Phase 1 imaging and dosimetry trial, therapeutic trial and compassionate use protocols. Our vendor has been acquired by another radiopharmaceutical competitor, and we do not have long-term contracts secured for radiopharmaceutical manufacturing. To reduce the risk, we plan to explore the possibility of developing internal manufacturing capabilities.

Corporate, non-profit, and academic collaborators may take actions (including lack of effective actions) to delay, prevent, or undermine the success of our products.

Our operating and financial strategy for the development, clinical testing, manufacture, and commercialization of product candidates is heavily dependent on us entering into collaborations with corporations, non-profit organizations, academic institutions, licensors, licensees, and other parties. There can be no assurance that we will be successful in establishing such collaborations. Current and future collaborations are and may be terminable at the sole discretion of the collaborators. The activities of any collaborator will not be within our direct control and may not be in our power to influence. There can be no assurance that any collaborator will perform its obligations to our satisfaction or at all; that we will derive any revenue, profits, or benefit from such collaborations; or that any collaborator will not compete with us. If any collaboration is not pursued, we may require

substantially greater capital to undertake development and commercialization of our proposed products, and may not be able to develop and commercialize such products effectively, if at all. In addition, a lack of development and commercialization collaborations may lead to significant delays in introducing proposed products into certain markets and/or reduced sales of proposed products in such markets. Furthermore, current and future collaborators may act deliberately or inadvertently in ways detrimental to our interests.

The termination of third-party licenses could adversely affect our rights to important compounds or technologies.

We rely on certain development and commercialization rights to ALXN1840 that we secured through an exclusive worldwide license agreement with Alexion on October 23, 2024. Among other termination events described in the license agreement, either party may terminate the agreement in the event of an uncured material breach of the agreement following written notice. A termination of the license agreement may force us to cease developing and/or selling ALXN1840 if it is commercialized.

We also rely on certain rights to MNPR-101 that we have secured through a non-exclusive license agreement with XOMA. XOMA, as licensor, has the ability to terminate the license if we breach our obligations under the license agreement and do not remedy any such breach within a set time after receiving written notice of such breach from XOMA. A termination of the license agreement might force us to cease developing and/or selling MNPR-101-Zr or MNPR-101-Lu, if either gets to market.

Data provided by collaborators and other parties upon which we rely have not been independently verified and could turn out to be inaccurate, misleading, or incomplete.

We rely on third-party vendors, scientists, and collaborators to provide us with significant data and other information related to our projects, clinical trials, and business. We do not independently verify or audit all of such data (including possibly material portions thereof). As a result, such data may be inaccurate, misleading, or incomplete.

In certain cases, we may need to rely on a single supplier for a particular manufacturing material or service, and any interruption in or termination of service by such supplier could delay or disrupt the commercialization of our products.

We rely on third-party suppliers for the materials used to manufacture our compounds. Some of these materials may at times only be available from one supplier. Any interruption in or termination of service by such single source suppliers could result in a delay or disruption in manufacturing until we locate an alternative source of supply. There can be no assurance that we would be successful in locating an alternative source of supply or in negotiating acceptable terms with such prospective supplier.

We rely on a limited number of contracted manufacturing plants. If we need to enlist new or different contract manufacturers, it will delay our ALXN1840 and MNPR-101 radiopharmaceutical programs and may increase the costs of our clinical trials and/or regulatory efforts.

Our contracted MNPR-101-Zr and MNPR-101-Lu manufacturing plant as well as our raw material supplier are currently located in the U.S., but the Russia-Ukraine war, the Israel-Hamas conflict, the developments in Venezuela, the conflict between the U.S., Israel and Iran and the ongoing instability in Persian Gulf states may adversely affect the sourcing of radioisotopes and timely supply of MNPR-101-Zr and MNPR-101-Lu to clinical sites. If we need to enlist new contract manufacturers, it will delay our MNPR-101-Zr and MNPR-101-Lu clinical programs and may increase our cost for the currently ongoing or future clinical trials.

We do not currently own or operate manufacturing facilities for the production or testing of ALXN1840, nor do we have plans to develop our own manufacturing operations in the foreseeable future. We expect to depend on third-party contract manufacturers for all our required raw materials, API, and finished drug products. We are utilizing elements of the existing supply chain that was used in the most recent clinical studies for ALXN1840, and we have engaged these vendors as our contract manufacturers for the supply of API and Drug Product.

We rely on third parties to conduct our non-clinical studies and our clinical trials. If these third parties do not successfully carry out their contractual duties or meet expected deadlines, we may be unable to obtain regulatory approval for or commercialize our current product candidates or any future products, on a timely and efficient basis or at all, and our financial condition will be adversely affected.

We do not have the capacity to independently conduct non-clinical studies and clinical trials. We rely on medical institutions, clinical investigators, contract laboratories, collaborative partners and other third parties, such as contract research organizations or clinical research organizations, to conduct non-clinical studies and clinical trials on our product candidates. The third parties with whom we contract for execution of our non-clinical studies and clinical trials play a significant role in the conduct of these studies and trials and the subsequent collection and analysis of data. However, these third parties are not our employees, and except for contractual duties and obligations, we have limited ability to control the amount or timing of resources that they devote to our programs.

Although we rely on third parties to conduct our non-clinical studies and clinical trials, we remain responsible for ensuring that each of our non-clinical studies and clinical trials is conducted in accordance with its investigational plan and protocol. Moreover, the FDA, TGA, EMA and other foreign regulatory authorities require us to comply with regulations and standards, including some regulations commonly referred to as good clinical practices (“GCPs”), for conducting, monitoring, recording and reporting the results of clinical trials to ensure that the data and results are scientifically credible and accurate, and that the trial subjects are adequately informed of the potential risks of participating in clinical trials.

In addition, the execution of non-clinical studies and clinical trials, and the subsequent compilation and analyses of the data produced, require coordination among various parties. In order for these functions to be carried out effectively and efficiently, it is imperative that these parties communicate and coordinate with one another. Moreover, these third parties may also have relationships with other commercial entities, some of which may compete with us. Under certain circumstances, these third parties may be able to terminate their agreements with us upon short notice. If the third parties conducting our clinical trials do not perform their contractual duties or obligations, experience work stoppages, do not meet expected deadlines, terminate their agreements with us or need to be replaced, or if the quality or accuracy of the clinical data they obtain is compromised due to the failure to adhere to our clinical trial protocols or GCPs, or for any other reason, we may need to enter into new arrangements with alternative third parties, which could be difficult, costly or impossible, and our clinical trials may be extended, delayed or terminated or may need to be repeated. If any of the foregoing were to occur, we may not be able to obtain, on a timely and efficient basis or at all, regulatory approval for or to commercialize the product candidate being tested in such trials, and as a result, our financial condition will be adversely affected.

Risks Related to Commercialization of Our Product Candidates

We have no experience as a company in commercializing any product. If we fail to obtain commercial expertise, upon product approval by regulatory agencies, our product launch and revenues could be delayed.

As a company, we have never obtained regulatory approval for, or commercialized, any product. We have begun to build out our sales, marketing and distribution capabilities. Although we are focused in the near term on assembling a regulatory package and submitting an NDA for our in-licensed late-stage asset, ALXN1840, the regulatory approval process is lengthy, expensive and uncertain; such uncertainty clouds our visibility with respect to the precise timing of a commercial infrastructure need. If we are unable to establish, or contract for, effective sales, marketing and distribution capabilities, or if we are unable to enter into agreements with third parties to commercialize our product candidates on favorable terms or on any reasonable terms at all, we may not be able to effectively generate product revenues once our product candidates are approved for marketing. If we fail to obtain commercial expertise or capabilities, upon drug approval, our product launch and subsequent revenues could be delayed and /or fail to reach their commercial potential.

We have not yet undertaken any marketing efforts, and there can be no assurance that future anticipated market testing and analyses will validate our marketing strategy. We may need to modify the products, or we may not be successful in either developing or marketing those products.

As a company, we have not yet begun to market or generate revenue from the commercialization of any products. Obtaining approvals of these product candidates will require substantial additional research and development as well as costly clinical trials. There can be no assurance that we will successfully complete development of our product candidates or successfully market them. We may encounter problems and delays relating to research and development, regulatory approval, intellectual property rights of product candidates, or other factors. There can be no assurance that our development programs will be successful, that our product candidates will prove to be safe and effective in or after clinical trials, that the necessary regulatory approvals for any product candidates will be obtained, or, even if obtained, will be as broad as sought or will be maintained for any period thereafter, that patents will issue on our patent applications, that any intellectual property protections we secure will be adequate, or that our collaboration arrangements will not diminish the value of our intellectual property through licensing or other arrangements. Furthermore, there can be no assurance that any product we might market will be received favorably by customers (whether physicians, payers, patients, or all three), adequately reimbursed by third-party payers, or that competitive products will not perform better and/or be marketed more successfully. Additionally, there can be no assurances that any future market testing and analyses will validate our marketing strategies. We may need to seek to modify the product labels through additional studies in order to be able to market them successfully to reach their commercial potential.

If we are unable to establish relationships with licensees or collaborators to carry out sales, marketing, and distribution functions or to create effective marketing, sales, and distribution capabilities, we will be unable to market our products successfully.

Our business strategy may include out-licensing product candidates to or collaborating with larger firms with experience in marketing and selling pharmaceutical products. There can be no assurance that we will successfully be able to establish marketing, sales, or distribution relationships with any third-party, that such relationships, if established, will be successful, or that we will be successful in gaining market acceptance for any products we might develop. To the extent that we enter into any marketing, sales, or distribution arrangements with third parties, our product revenues per unit sold are expected to be lower than if we marketed, sold, and distributed our products directly, and any revenues we receive will depend upon the efforts of such third parties.

If we are unable to establish such third-party marketing and sales relationships, or if we elect to commercialize our product candidates independently or through a hybrid approach, we would need to establish in-house marketing and sales capabilities, in whole or in part. As a company, we have no experience in marketing or selling Wilson disease or oncology pharmaceutical products, and currently have a limited marketing, sales, and distribution infrastructure and no experience developing or managing such infrastructure for a Wilson disease or an oncology related product. To market any products directly, we would have to establish a marketing, sales, and distribution force that has technical expertise and could support a distribution capability. Competition in the biopharmaceutical industry for technically proficient marketing, sales, and distribution personnel is intense and attracting and retaining such personnel will significantly increase our costs. There can be no assurance that we will be able to establish internal marketing, sales, or distribution capabilities or that these capabilities will be sufficient to meet our needs.

Commercial success of our product candidates will depend on the acceptance of these products by physicians, payers and patients.

Any product candidate that we may develop may not gain market acceptance among physicians, payers and patients. Market acceptance of and demand for any product that we may develop will depend on many factors, including without limitation:

- Comparative superiority of the efficacy and safety in the treatment of the disease indication compared to alternative treatments;
- Lower incidence, lower prevalence and lower severity of adverse side effects;
- Potential advantages over alternative treatments;
- Cost effectiveness;
- Convenience and ease of administration, stability and shelf life, for distributor, physician and patient;
- Sufficient third-party coverage and/or reimbursement;
- Strength of sales, marketing and distribution support; and
- Our ability to provide acceptable and compelling evidence of safety and efficacy.

If any product candidate developed by us receives regulatory approval but does not achieve an adequate level of market acceptance by physicians, payers, and patients, we may generate insufficient, little, or no product revenue to earn appropriate returns on the investment of product development costs and may not become profitable at sufficient product sales volumes to earn sustainable profitability.

Our products may not be accepted for reimbursement or adequately reimbursed by third-party payers.

The successful commercialization of any products we might develop will depend substantially on whether the costs of our products and related treatments are reimbursed at acceptable levels by government authorities, private healthcare insurers, and other third-party payers, such as health maintenance organizations. Reimbursement rates may vary, depending upon the third-party payer, the type of insurance plan, and other similar or dissimilar factors. If our products do not achieve adequate reimbursement, then the number of physician prescriptions of our products may not be sufficient to make our products profitable, and to earn a sufficient profit to earn a reasonable return on our investment and provide a cash flow to finance future investments on the next generation of products and investments in new technological platforms.

Comparative effectiveness research, especially in the U.S. both by private payers and by government agencies, demonstrating the benefits of a competitor's product could adversely affect the sales of our product candidates. If third-party payers do not consider our products to be cost-effective compared to other available therapies, they may not cover our products as a benefit under their plans or, if they do, the level of payment may not be sufficient to allow us to sell our products on a profitable basis sufficient for our Company to remain competitive and thrive.

The effects of economic and political pressure to lower pharmaceutical prices are a major threat to the economic viability of new research-based pharmaceutical products, and any significant decrease in drug prices could materially and adversely affect our prospects.

Emphasis on managed care and government price controls in the U.S. has increased and we expect this will continue to increase the pressure on pharmaceutical pricing. Coverage policies and third-party reimbursement rates may change at any time. Even if favorable coverage and reimbursement status is attained for one or more products for which we receive regulatory approval, less favorable coverage policies and reimbursement rates may be implemented in the future.

Any development along these lines could materially and adversely affect our prospects. We are unable to predict what political, legislative or regulatory changes relating to the healthcare industry, including without limitation any changes affecting governmental and/or private or third-party coverage and reimbursement, may be enacted in the future, or what effect such political, legislative or regulatory changes would have on our business. However, if governmental price management does not provide for the very high price of pharmaceutical research, it could create very demanding challenges for our industry and our prospects or require breakthroughs in research productivity, of which there can be no assurance.

If we obtain FDA approval for any of our product candidates, we will be subject to various federal and state fraud and abuse laws; these laws may impact, among other things, our proposed sales, marketing and education programs. Fraud and abuse laws are expected to increase in breadth and in detail, which will likely increase our operating costs and the complexity of our programs to ensure compliance with such enhanced laws.

If we obtain FDA approval for any of our product candidates and begin commercializing those products in the U.S., our operations may be directly, or indirectly through our customers, distributors, or other business partners, subject to various federal and state fraud and abuse laws, including, without limitation, anti-kickback statutes and false claims statutes which may increase our operating costs. These laws may impact, among other things, our proposed sales, marketing and education programs. In addition, we may be subject to data privacy and security regulations by both the federal government and the states in which we conduct business.

If our operations are found to be in violation of any of the federal and state fraud and abuse laws or any other governmental regulations that apply to us, we may be subject to criminal actions and significant civil monetary penalties, which would adversely affect our ability to operate our business and our results of operations.

If our operations are found to be in violation, even inadvertently, of any of the federal and state fraud and abuse laws, including, without limitation, anti-kickback statutes and false claims statutes or any other governmental regulations that apply to us, we may be subject to penalties, including criminal and significant civil monetary penalties, damages, fines, imprisonment, exclusion from participation in government healthcare programs, and the curtailment or restructuring of our operations, any of which could adversely affect our ability to operate our business and our results of operations. To the extent that any of our product candidates are ultimately sold in a foreign country, we may be subject to similar foreign laws and regulations, which may include, for instance, applicable post-marketing requirements, including safety surveillance, anti-fraud and abuse laws, and implementation of corporate compliance programs and reporting of payments or transfers of value to healthcare professionals.

Negotiated prices for our products covered by a Part D prescription drug plan and other government programs will be lower than the prices we might otherwise obtain.

Government payment for some of the costs of prescription products, including pharmaceutical and biologic products, may increase demand for our products for which we receive marketing approval; however, any negotiated prices for our products covered by a Part D prescription drug plan and other government programs will be lower than the prices we might otherwise obtain. We anticipate that the number and type of products that will be subject to federal pricing will increase substantially over time. There may be rules to demand that the government and medical institutions, which are in part supported by government funding, will be granted access to pharmaceutical and biologic products at the same highly favorable prices given to the governmental direct medical care programs.

Risks Related to Our Intellectual Property

If we and our third-party licensors do not obtain and preserve protection for our respective intellectual property rights, our competitors may be able to take advantage of our (and our licensors') development efforts to develop competing drugs.

Our commercial success will depend in part on obtaining patent protection for any products and other technologies we might develop, and successfully defending any patents we obtain against third-party challenges. See "Item 1. Business – License, Development and Collaboration Agreements." Pursuant to the terms of our license agreement with AstraZeneca for ALXN1840, we obtained the intellectual property portfolio for ALXN1840, including exclusive license and prosecution of over 86 patent applications granted, published, or pending in over 30 countries worldwide. ALXN1840 has been granted Orphan Drug Designation for the treatment of Wilson disease in the U.S. and the EU, as well as Fast Track designation from the FDA. In the U.S., these include 6 granted patents, 7 published patent applications, and 1 private and pending application with the earliest expiration expected in 2038. The patents cover methods of treatment and dosing of ALXN1840 for Wilson disease, methods of manufacture for tetrathiomolybdate, and certain drug product formulations.

While we have filed multiple patents around MNPR-101 for radiopharmaceutical use, our composition of matter patent for MNPR-101 itself and the patent on the epitope to which MNPR-101 binds are both expiring soon and cannot be relied upon for ongoing protection. We also have jointly applied for patents with NorthStar, one of which is in their control to prosecute and maintain.

The patent process is subject to numerous risks and uncertainties, and there can be no assurance that we will be successful in obtaining and defending patents. See "Item 1. Business – Intellectual Property Portfolio and Exclusivity." These risks and uncertainties include without limitation the following:

- Patents that may be issued or licensed may be challenged, invalidated or circumvented, or may otherwise fail to provide any competitive advantage.
- Our licensors may terminate or breach our existing or future license agreements, thereby reducing or preventing our ability to exclude competition; termination of such license agreements may also subject us to risk of patent infringement of patents to which we no longer have a license.
- Our competitors, many of which have substantially greater resources than us and have made significant investments in competing technologies, may seek, or may already have obtained, patents that will limit, interfere with, or eliminate our ability to make, use, and sell our potential products either in the U.S. or in international markets.
- As a matter of public policy regarding worldwide health concerns, there may be significant pressure on the U.S. government and other international governmental bodies to limit the scope of domestic and international patent protection for cancer treatments that prove successful.
- Countries other than the U.S. may have less restrictive patent laws than those upheld by the U.S. courts; therefore, non-U.S. competitors could exploit these laws to create, develop, and market competing products. In some countries, the legal compliance with pharmaceutical patents, patent applications and other intellectual property regulations is very weak or actively evaded in some cases with government aid.

In addition, the USPTO and patent offices in other jurisdictions have often required that patent applications concerning pharmaceutical and/or biotechnology-related inventions be limited or narrowed substantially to cover only the specific innovations exemplified in the patent application, thereby limiting their scope of protection against competitive challenges. Thus, even if we or our licensors are able to obtain patents, the scope of the patents may be substantially narrower than anticipated.

If we permit our patents to lapse or expire, we will not be protected and will have less of a competitive advantage. The value of our products may be greatly reduced if this occurs. Our patents expire at different times and are subject to the laws of multiple countries. Some of our patents are currently near expiration, and we may pursue patent term extensions for these where appropriate or permit them to lapse. See "Item 1. Business – Intellectual Property Portfolio and Exclusivity."

In addition to patents, we also rely on trade secrets and proprietary know-how. While we take measures to protect this information by entering into confidentiality and invention agreements with our employees, consultants and collaborators, we cannot provide any assurances that these agreements will be fully enforceable and will not be breached, that we will be able to protect ourselves from the harmful effects of disclosure if they are not fully enforceable or are breached, that any remedy for a breach will adequately compensate us, that these agreements will achieve their intended aims, or that our trade secrets will not otherwise become known or be independently discovered by competitors. Enforcing a claim that a party illegally disclosed or misappropriated a trade secret is difficult, expensive and time-consuming, and the outcome is unpredictable. In addition, some courts inside and outside the U.S., are less willing or unwilling to protect trade secrets. If any of our trade secrets were to be lawfully obtained or independently developed by a competitor, we would have no right to prevent them from using that technology or information to compete with us. If any of our trade secrets were to be disclosed to or independently developed by a competitor, our competitive position would be harmed, and the value of the trade secrets may be greatly reduced.

The patent protection we obtain and preserve for our product candidates may not be sufficient to provide us with any material competitive advantage.

We may be subject to competition despite the existence of intellectual property we license or own. We can give no assurances that our intellectual property claims will be sufficient to prevent third parties from designing around patents we own or license and developing and commercializing competitive products. The existence of competitive products that avoid our intellectual property could materially adversely affect our operating results and financial condition. Furthermore, limitations, or perceived limitations, in our intellectual property may limit the interest of third parties to partner, collaborate or otherwise transact with us, if those third parties perceive a higher than acceptable risk to commercialization of our products or future products. If a competitor were able to successfully design around any method of use and formulation patents we may have now or in the future, it is highly likely that our business and competitive advantage would be adversely affected.

Patent terms may be inadequate to protect our competitive position on our product candidates for an adequate amount of time. If this occurs, our competitive position, business, financial condition, results of operations, and prospects would be materially harmed.

Patents have a limited lifespan. In the U.S., if all maintenance fees are timely paid, the natural expiration of a patent is generally 20 years from its earliest U.S. non-provisional filing date. Various extensions may be available, but the life of a patent, and the protection it affords, is limited. Even if patents covering our product candidates are obtained, once the patent life has expired for a product candidate, we may be open to competition from competitive medications, including generic medications. Given the amount of time required for the development, testing and regulatory review of new product candidates, patents protecting such product candidates might expire before or shortly after such product candidates are commercialized. As a result, our owned and licensed patent portfolio may not provide us with sufficient rights to exclude others from commercializing product candidates similar or identical to ours.

Depending upon the timing, duration and conditions of any FDA marketing approval of our product candidates, one or more of our U.S. patents may be eligible for limited patent term extension under the Drug Price Competition and Patent Term Restoration Act of 1984, referred to as the Hatch-Waxman Amendments, and similar legislation in the European Union. The Hatch-Waxman Amendments permit a patent term extension of up to five years for a patent covering an approved product as compensation for effective patent term lost during product development and the FDA regulatory review process. However, we may not receive an extension if we fail to exercise due diligence during the testing phase or regulatory review process, fail to apply within applicable deadlines, fail to apply prior to expiration of relevant patents or otherwise fail to satisfy applicable requirements. Moreover, the length of the extension could be less than we request. Only one patent per approved product can be extended, the extension cannot extend the total patent term beyond 14 years from approval and only those claims covering the approved drug, a method for using it or a method for manufacturing it may be extended. If we are unable to obtain patent term extension or the term of any such extension is less than we request, the period during which we can enforce our patent rights for the applicable product candidate will be shortened and our competitors may obtain approval to market competing products sooner. As a result, our revenue from applicable products could be reduced. Further, if this occurs, our competitors may take advantage of our investment in development and trials by referencing our clinical and preclinical data and launch their product earlier than might otherwise be the case, and our competitive position, business, financial condition, results of operations, and prospects would be materially harmed.

Intellectual property disputes could require us to spend time and money to address such disputes and could limit our intellectual property rights.

The biopharmaceutical industry has been characterized by extensive litigation regarding patents and other intellectual property rights, and companies have employed intellectual property litigation and USPTO post-grant proceedings to gain a competitive advantage. We may become subject to infringement claims or litigation arising out of patents and pending applications of our competitors, or additional interference proceedings declared by the USPTO to determine the priority and patentability of inventions. The defense and prosecution of intellectual property suits, USPTO proceedings, and related legal and administrative proceedings are costly and time-consuming to pursue, and their outcomes are uncertain. Litigation may be necessary to enforce our issued patents, to protect our trade secrets and know-how, or to determine the enforceability, scope, and validity of the proprietary rights of others. An adverse determination in litigation or USPTO post-grant and interference proceedings to which we may become a party could subject us to significant liabilities, require us to obtain licenses from third parties, or restrict or prevent us from selling our products in certain markets. Even if a given patent or intellectual property dispute were settled through licensing or similar arrangements, our costs associated with such arrangements may be substantial and could include the payment by us of large, fixed payments and ongoing royalties. Furthermore, the necessary licenses may not be available on satisfactory terms or at all. Even where we have meritorious claims or defenses, the costs of litigation may prevent us from pursuing these claims or defenses and/or may require extensive financial and personnel resources to pursue these claims or defenses. In addition, it is possible there may be defects of form in our current and future patents that could result in our inability to defend the intended claims. Intellectual property disputes arising from the aforementioned factors, or other factors, may materially harm our business.

We may not be able to enforce our intellectual property rights throughout the world.

The laws of some foreign countries do not protect intellectual property rights to the same extent as the laws of the U.S. Companies have encountered significant problems in protecting and defending intellectual property rights in certain foreign jurisdictions. The legal systems of some countries, particularly developing countries, do not favor the enforcement of patents and other intellectual property protections, especially those relating to life sciences. This could make it difficult for us to stop the infringement of our patents or the misappropriation of our other intellectual property rights. For example, many foreign countries have compulsory licensing laws under which a patent owner must grant licenses to third parties. In addition, many countries limit the enforceability of patents against third parties, including government agencies or government contractors. In these countries, patents may provide limited or no benefit.

Proceedings to enforce our patent rights in foreign jurisdictions, whether or not successful, could result in substantial costs and divert our efforts and attention from other aspects of our business. Furthermore, while we intend to protect our intellectual property rights in our expected significant markets, we cannot ensure that we will be able to initiate or maintain similar efforts in all jurisdictions in which we may wish to market our current or any future product candidates. Accordingly, our efforts to protect our intellectual property rights in such countries may be inadequate. In addition, changes in the law and legal decisions by courts in the U.S. and foreign countries may affect our ability to obtain and enforce adequate intellectual property protection for our products and technology.

Changes to the patent law in the U.S. and other jurisdictions could diminish the value of patents in general, thereby impairing our ability to protect our product candidates.

As is the case with other biopharmaceutical companies, our success is heavily dependent on intellectual property, particularly patents. Obtaining and enforcing patents in the biopharmaceutical industry involves both technological and legal diligence and complexity. Therefore, obtaining and enforcing biopharmaceutical patents is costly, time consuming and inherently uncertain. In addition, the U.S. has recently enacted and is currently implementing wide ranging patent reform legislation. The U.S. Supreme Court has ruled on several patent cases in recent years, either narrowing the scope of patent protection available in certain circumstances or weakening the rights of patent owners in certain situations. In addition to increasing uncertainty with regard to our ability to obtain patents in the future, this combination of events has created uncertainty with respect to the value of patents once obtained. Depending on future actions by the U.S. Congress, the federal courts and the USPTO, as well as other jurisdictions around the world, the laws and regulations governing patents could change in unpredictable ways that would weaken our ability to obtain new patents or to enforce our existing patents and patents that we might obtain in the future.

Obtaining and maintaining our patent protection depends on compliance with various procedural, document submission, fee payment and other requirements imposed by governmental patent agencies, and our patent protection could be reduced or eliminated for non-compliance with these requirements.

The USPTO and various foreign governmental patent agencies require compliance with a number of procedural, documentary, fee payment and other provisions during the patent process. There are situations in which noncompliance due to issues beyond our control can result in abandonment or lapse of a patent or patent application, resulting in partial or complete loss of patent rights in the relevant jurisdiction. In such an event, competitors might be able to enter the market earlier than would otherwise have been the case.

If we fail to comply with our obligations under any license, collaboration or other intellectual property-related agreements, we may be required to pay damages and could lose intellectual property rights that may be necessary for developing, commercializing and protecting our current or future technologies or drug candidates or we could lose certain rights to grant sublicenses.

Any license, collaboration or other intellectual property-related agreements impose, and any future license, collaboration or other intellectual property-related agreements we enter into are likely to impose, various development, commercialization, funding, milestone, royalty, diligence, sublicensing, insurance, patent prosecution and enforcement or other obligations on us. If we breach any of these obligations or use the intellectual property licensed to us in an unauthorized manner, we may be required to pay damages and the licensor may have the right to terminate the license. In spite of our best efforts, any of our future licensors might conclude that we have materially breached our license agreements and might therefore terminate the license agreements, thereby removing our ability to develop and commercialize products and technologies covered by these license agreements. Any license agreements we enter into may be complex, and certain provisions in such agreements may be susceptible to multiple interpretations. The resolution of any contract interpretation disagreement that may arise could narrow what we believe to be the scope of our rights to the relevant intellectual property or technology, or increase what we believe to be our financial or other obligations under the relevant agreement, either of which could have a material adverse effect on our business, financial condition, results of operations, and prospects.

We may seek to obtain licenses from licensors in the future; however, we may be unable to obtain any such licenses at a reasonable cost or on reasonable terms, if at all. In addition, if any of our future licensors terminate any such license agreements, such license terminations could result in our inability to develop, manufacture and sell products that are covered by the licensed technology or could enable a competitor to gain access to the licensed technology. Any of these events could have a material adverse effect on our competitive position, business, financial condition, results of operations, and ability to achieve profitability.

Furthermore, we may not have the right to control the preparation, filing, prosecution, maintenance, enforcement and defense of patents and patent applications that we license from third parties. Therefore, we cannot be certain that these patents and patent applications will be prepared, filed, prosecuted, maintained, enforced and defended in a manner consistent with the best interests of our business. If our future licensors fail to prosecute, maintain, enforce and defend patents we may in-license, or lose rights to licensed patents or patent applications, our licensed rights may be reduced or eliminated. In such circumstances, our right to develop and commercialize any of our products or drug candidates that is the subject of such licensed rights could be materially adversely affected. In certain circumstances, our licensed patent rights are subject to our reimbursing our licensors for their patent prosecution and maintenance costs.

Moreover, our licensors may own or control intellectual property that has not been licensed to us and, as a result, we may be subject to claims, regardless of their merit, that we are infringing, misappropriating or otherwise violating the licensor's intellectual property rights and the amount of any damages or future royalty obligations that would result, if any such claims were successful, would depend on the technology and intellectual property we use in products that we successfully develop and commercialize, if any. Therefore, even if we successfully develop and commercialize products, due to such obligations, we may be unable to achieve or maintain profitability.

Third parties may initiate legal proceedings alleging that we are infringing, misappropriating or otherwise violating their intellectual property rights, the outcome of which would be uncertain and could have a material adverse impact on the success of our business.

Our commercial success depends, in part, upon our ability or the ability of any of our future collaborators to develop, manufacture, market and sell our current or any future drug candidates and to use our proprietary technologies without infringing, misappropriating or otherwise violating the proprietary and intellectual property rights of third parties. The biotechnology and pharmaceutical industries are characterized by extensive and complex litigation regarding patents and other intellectual property rights.

We or any of our future licensors or strategic partners, may be party to, or be threatened with, adversarial proceedings or litigation regarding intellectual property rights with respect to our current or any potential future drug candidates and technologies, including derivation, reexamination, inter partes review, post-grant review or interference proceedings before the USPTO and similar proceedings in jurisdictions outside of the U.S. such as opposition proceedings. If we or our licensors or strategic partners are unsuccessful in any interference proceedings or other priority or validity disputes (including through any patent oppositions) to which we or they are subject, we may lose valuable intellectual property rights through the loss of one or more patents or our patent claims may be narrowed, invalidated, or held unenforceable. In some instances, we may be required to indemnify our licensors or strategic partners for the costs associated with any such adversarial proceedings or litigation. Third parties may also assert infringement, misappropriation or other claims against us, our licensors or our strategic partners based on existing patents or patents that may be granted in the future, as well as other intellectual property rights, regardless of their merit. There is a risk that third parties may choose to engage in litigation or other adversarial proceedings with us, our licensors or our strategic partners to enforce or otherwise assert their patent rights or other intellectual property rights. Even if we believe such claims are without merit, a court of competent jurisdiction could hold that these third-party patents and other intellectual property rights are valid, enforceable and infringed, which could have a material adverse impact on our ability to utilize our developed technologies or to commercialize our current or any future drug candidates deemed to be infringing. In order to successfully challenge the validity of any such U.S. patent in federal court, we would need to overcome a presumption of validity by presenting clear and convincing evidence of invalidity. There is no assurance that a court of competent jurisdiction, even if presented with evidence we believe to be clear and convincing, would invalidate the claims of any such U.S. patent.

Further, we cannot guarantee that we will be able to successfully settle or otherwise resolve such adversarial proceedings or litigation. If we are unable to successfully settle future claims on terms acceptable to us, we may be required to engage in or to continue costly, unpredictable and time-consuming litigation and may be prevented from or experience substantial delays in marketing our drug candidates. If we or any of our licensors or strategic partners are found to infringe, misappropriate or violate a third-party patent or other intellectual property rights, we could be required to pay damages, including treble damages and attorney's fees, if we are found to have willfully infringed. In addition, we, or any of our licensors or strategic partners may choose to seek, or be required to seek, a license from a third-party, which may not be available on commercially reasonable terms, if at all. Even if a license can be obtained on commercially reasonable terms, the rights may be non-exclusive, which could give our competitors access to the same technology or intellectual property rights licensed to us, and we could be required to make substantial licensing and royalty payments. We also could be forced, including by court order, to cease utilizing, developing, manufacturing and commercializing our developed technologies or drug candidates deemed to be infringing. We may be forced to redesign current or future technologies or products. Any of the foregoing could have a material adverse effect on our ability to generate revenue or achieve profitability and possibly prevent us from generating revenue sufficient to sustain our operations.

In addition, we or our licensors or strategic partners may find it necessary to pursue claims or to initiate lawsuits to protect or enforce our patent or other intellectual property rights. If we or our licensors or strategic partners were to initiate legal proceedings against a third-party to enforce a patent covering one of our drug candidates or our developed technology, the defendant could counterclaim that such patent is invalid or unenforceable. In patent litigation in the U.S., defendant counterclaims alleging invalidity or unenforceability are commonplace. Grounds for a validity challenge could include an alleged failure to meet any of several statutory requirements, including, for example, claims directed to patent-ineligible subject matter, lack of novelty, indefiniteness, lack of written description, non-enablement, anticipation or obviousness. Grounds for an unenforceability assertion could be an allegation that someone connected with prosecution of the patent withheld relevant information from the USPTO or made a misleading statement during prosecution. The outcome of such invalidity and unenforceability claims is unpredictable. With respect to the validity question, for example, we cannot be certain that there is no invalidating prior art of which we or our licensors or strategic partners and the patent examiner were unaware during prosecution. If a defendant were to prevail on a legal assertion of invalidity or unenforceability, we could lose at least part, and perhaps all, of the patent protection for one or more of our drug candidates. The narrowing or loss of our owned and licensed patent claims could limit our ability to stop others from using or commercializing similar or identical technologies and products. All of these events could have a material adverse effect on our business, financial condition, results of operations and prospects. Patent and other intellectual property rights also will not protect our drug candidates and technologies if competitors or third parties design around such drug candidates and technologies without legally infringing, misappropriating or violating our patent and other intellectual property rights.

The cost to us in defending or initiating any litigation or other proceedings relating to our patent or other intellectual property rights, even if resolved in our favor, could be substantial, and any litigation or other proceedings would divert our management's attention and distract our personnel from their normal responsibilities. Such litigation or proceedings could materially increase our operating losses and reduce the resources available for development activities or any future sales, marketing or distribution activities. We may not have sufficient financial or other resources to conduct such litigation or proceedings adequately. Some of our competitors may be able to more effectively sustain the costs of complex patent litigation because they have substantially greater resources. Uncertainties resulting from the initiation and continuation of patent litigation or other proceedings could delay our research and development efforts and materially limit our ability to continue our operations. Furthermore, because of the substantial amount of discovery required in connection with certain such proceedings, there is a risk that some of our confidential information could be compromised by disclosure. In addition, there could be public announcements of the results of hearings, motions or other interim proceedings or developments and if securities analysts or investors perceive these results to be negative, such announcements could have a material adverse effect on the price of our common stock.

Intellectual property rights of third parties could adversely affect our ability to commercialize our current or future technologies or drug candidates, and we might be required to litigate or obtain licenses from third parties to develop or market our current or future technologies or drug candidates, which may not be available on commercially reasonable terms, or at all.

There are numerous companies that have pending patent applications and issued patents broadly covering radiopharmaceuticals, monoclonal antibody therapeutics or small molecules directed against the same targets as, or targets similar to, those we are pursuing. Our competitive position may materially suffer if patents issued to third parties or other third-party intellectual property rights cover our current or future technologies, drug candidates or elements thereof, or our manufacture or uses relevant to our development plans. In such cases, we may not be in a position to develop or commercialize current or future technologies or drug candidates unless we successfully pursue litigation to nullify or invalidate the third-party intellectual property rights concerned or enter into a license agreement with the intellectual property rights holder, if available on commercially reasonable terms. There may be issued patents of which we are not aware, held by third parties that, if found to be valid and enforceable, could be alleged to be infringed by our current or future technologies or drug candidates. There also may be pending patent applications of which we are not aware that may result in issued patents, which could be alleged to be infringed by our current or future technologies or drug candidates. Should such an infringement claim be successfully brought, we may be required to pay substantial damages or be forced to abandon our current or future technologies or drug candidates or to seek a license from any patent holders. No assurances can be given that a license will be available on commercially reasonable terms, if at all.

Third-party intellectual property rights holders may also actively bring infringement, misappropriation or other claims alleging violations of intellectual property rights against us. We cannot guarantee that we will be able to successfully settle or otherwise resolve such claims. If we are unable to successfully settle future claims on terms acceptable to us, we may be required to engage in or to continue costly, unpredictable and time-consuming litigation and may be prevented from, or experience substantial delays in, marketing our drug candidates. If we fail in any such dispute, in addition to being forced to pay damages, we may be temporarily or permanently prohibited from commercializing any of our current or future technologies or drug candidates that are held to be infringing, misappropriating or otherwise violating third-party intellectual property rights. We might, if possible, also be forced to redesign current or future technologies or drug candidates so that we no longer infringe, misappropriate or violate the third-party intellectual property rights. Any of these events, even if we were ultimately to prevail, could require us to divert substantial financial and management resources that we would otherwise be able to devote to our business, which could have a material adverse effect on our financial condition and results of operations.

Risks Related to Our Business Operations and Industry

We have a limited operating history.

To date, we have engaged exclusively in acquiring pharmaceutical product candidates, licensing rights to product candidates, entering into collaboration agreements with respect to key services or technologies for our drug product development, and conducted clinical trials, but have not yet received any governmental approvals, brought any product to market, manufactured products in commercial quantities or sold any pharmaceutical products. As a company we have limited experience in negotiating, establishing, and maintaining strategic relationships, completing successful clinical trials, and managing the regulatory approval process, all of which will be necessary if we are to be successful. Our lack of experience in these critical areas makes it difficult for a prospective investor to evaluate our abilities and increases the risk that we will fail to successfully execute our strategies.

Furthermore, if our business grows rapidly, our operational, managerial, legal, and financial resources will be strained. Our development will require continued improvement and expansion of our management team and our operational, managerial, legal, and financial systems and controls.

In the normal course of business, we have evaluated and expect to evaluate potential acquisitions and/or licenses of patents, compounds, and technologies that our management believes could complement or expand our business. In the event that we identify an acquisition or license candidate we find attractive, there is no assurance that we will be successful in negotiating an agreement to acquire or license, or in financing or profitably exploiting, such patents, compounds, or technologies. Furthermore, such an acquisition or license could divert management time and resources away from other activities that would further our current business development.

If we lose key management leadership, and/or scientific personnel, and if we cannot recruit qualified employees, managers, directors, officers, or other significant personnel, it is highly likely that we will experience program delays and increases in compensation costs, and our business will be materially disrupted.

Our future success is highly dependent on the continued service of principal members of our management, leadership, and scientific personnel, who are able to terminate their employment with us at any time and may be able to compete with us. The loss of any of our key management, leadership, or scientific personnel including, in particular, Christopher M. Starr, our Executive Chairman of the Board of Directors (referred to as the “Board”), and Chandler D. Robinson, our Chief Executive Officer and Board member, could materially disrupt our business and materially delay or prevent the successful product development and commercialization of our product candidates. We have an employment agreement with Dr. Robinson which has no term but is for at-will employment, meaning the executive has the ability to terminate his employment at any time. We have a consulting agreement with Dr. Starr that is terminable with 30-days’ notice by Dr. Starr or us.

We have had, and could have additional, changes in senior management, which could be disruptive to the Company’s operations and may have an adverse effect on our business, financial condition and results of operations. Our future success will also depend on our continuing ability to identify, hire, and retain highly skilled personnel for all areas of the organization. Competition in the biopharmaceutical industry for scientifically and technically qualified personnel is intense, which may require us to pay high wages or incur higher costs for retaining and incentivizing our personnel or we may be unsuccessful in identifying, hiring, and retaining qualified personnel. Our continued requirement to identify, hire, and retain highly competent personnel may cause our compensation costs to increase materially.

We incur costs as a result of operating as a public company, and our management is required to devote substantial time to investor relations, information and communication to the public, and related compliance initiatives and corporate governance practices.

As a public company, we incur significant legal, accounting and other expenses that we did not incur as a private company. The Sarbanes-Oxley Act, the Dodd-Frank Wall Street Reform and Consumer Protection Act, the listing requirements of the Nasdaq Capital Market and other applicable securities rules and regulations impose various requirements on public companies, including establishment and maintenance of effective disclosure and financial controls and corporate governance practices. Our management and other personnel devote a substantial amount of time to these compliance initiatives. Moreover, these rules and regulations increase our legal and financial compliance costs and make some activities more time-consuming and costly. For example, we expect that these rules and regulations may make it more difficult and more expensive for us to obtain director and officer liability insurance, which in turn could make it more difficult for us to attract and retain qualified members of our Board. However, these rules and regulations are often subject to varying interpretations, in many cases due to their lack of specificity, and, as a result, their application in practice may evolve over time as new guidance is provided by regulatory and governing bodies. This could result in continuing uncertainty regarding compliance matters and higher costs necessitated by ongoing revisions to disclosure and governance practices.

Despite ongoing compliance training and periodic education, our employees and consultants may engage in misconduct or other improper activities, including noncompliance with regulatory standards and requirements, which could result in delays or terminations of our development programs and adversely affect our business.

Although we regularly train our employees on compliance and we are aware of no misconduct or improper activities to date, we are exposed to the risk of employee or consultant fraud or other misconduct. Misconduct by our employees or consultants could include intentional failures to: comply with FDA regulations; provide accurate information to the FDA; comply with manufacturing standards; comply with federal and state healthcare fraud and abuse laws and regulations; report financial information or data accurately; or disclose unauthorized activities to us. In particular, sales, marketing and business arrangements in the healthcare industry are subject to extensive laws and regulations intended to prevent fraud, kickbacks, self-dealing and other abusive practices. These laws and regulations may restrict or prohibit a wide range of pricing, discounting, marketing and promotion, sales commission, customer incentive programs and other business arrangements. Employee and consultant misconduct could also involve the improper use of information obtained in the course of clinical trials, which could result in regulatory sanctions and serious harm to our reputation. It is not always possible to identify and deter such misconduct, and the precautions we take to detect and prevent this activity may not be effective in controlling unknown or unmanaged risks or losses or in protecting us from governmental investigations or other actions or lawsuits stemming from a failure to be in compliance with such laws or regulations. If any such actions are instituted against us, and we are not successful in defending ourselves or asserting our rights, those actions could have a significant impact on our business, including the imposition of significant fines or other sanctions. Such actions could adversely affect our business including delaying or terminating one or more of our development programs.

We are a smaller reporting company and we cannot be certain if the reduced disclosure requirements applicable to smaller reporting companies will make our common stock less attractive to investors.

We are a “smaller reporting company,” meaning that, as defined in Rule 12b-2 of the Exchange Act, the market value of our stock held by non-affiliates is less than \$700 million and our annual revenue was less than \$100 million during the most recently completed fiscal year. We will continue to be a smaller reporting company if either (i) the market value of our stock held by non-affiliates is less than \$250 million or (ii) our annual revenue is less than \$100 million during the most recently completed fiscal year and the market value of our stock held by non-affiliates is less than \$700 million. For so long as we remain a smaller reporting company, we are permitted and intend to rely on exemptions from certain disclosure requirements. Our status as a smaller reporting company was not impacted by the loss of emerging growth company status at the end of 2025, so we may continue to take advantage of these scaled disclosure requirements so long as we qualify. In addition, the loss of emerging growth status did not impact our “non-accelerated filer” status, which provides an exemption from the auditor attestation requirement with respect to internal control over financial reporting.

Competition and technological change may make our product candidates less competitive or obsolete.

The biopharmaceutical industry is subject to rapid technological change. We have many potential competitors, including major drug and chemical companies, specialized biopharmaceutical firms, universities and other research institutions. These companies, firms, and other institutions may develop products that are more effective than our product candidates or that would make our product candidates less competitive or obsolete. Many of these companies, firms, and other institutions have greater financial resources than us and may be better able to withstand and respond to adverse market conditions within the biopharmaceutical industry, including without limitation the lengthy product development and regulatory approval processes for product candidates.

We face significant competition from other biotechnology and pharmaceutical companies, and our operating results will suffer if we fail to compete effectively.

The biotechnology and pharmaceutical industries are characterized by rapidly advancing technologies, intense competition and a strong emphasis on proprietary products. While we believe we have significant competitive advantages with our expertise in small molecules and biologics, and rare disease clinical development, along with a strong intellectual property portfolio, we currently face and will continue to face competition for our drug development programs from companies that are developing Wilson disease drugs or are targeting uPAR. The competition is likely to come from multiple sources, including larger pharmaceutical companies, biotechnology companies and academia. Accordingly, our competitors may have more resources and be more successful than us in obtaining approval for treatments and achieving widespread market acceptance. For any products that we may ultimately commercialize, not only will we compete with any existing therapies and those therapies currently in development, but we will also have to compete with new therapies that may become available in the future.

We may engage in strategic transactions that could impact our liquidity, increase our expenses and present significant distractions to our management.

From time to time, we may consider strategic transactions, such as acquisitions of companies, asset purchases, and out-licensing or in-licensing of products, product candidates or technologies. Additional potential transactions that we may consider include a variety of different business arrangements, including spin-offs, strategic partnerships, joint ventures, restructurings, divestitures, business combinations and investments. Any such transaction will require us to incur non-recurring or other charges, may increase our near- and long-term expenditures and may pose significant integration challenges or disrupt our management or business, which could adversely affect our operations and financial results. For example, these transactions may entail numerous operational and financial risks, including:

- exposure to unknown technologies, product candidates, medical conditions and indications, product manufacturing challenges and uncertainties, and other unknown factors;
- disruption of our business and diversion of our management's time and attention in order to develop acquired products, product candidates or technologies;
- incurrence of substantial debt and/or dilutive issuances of equity securities to pay for acquisitions;
- higher-than-expected acquisition and integration costs;
- write-downs of assets, goodwill or impairment charges;
- increased amortization expenses;
- difficulty and cost in combining the operations and personnel of any acquired businesses with our operations and personnel;
- impairment of relationships with key suppliers or customers of any acquired businesses due to changes in management and ownership; and
- inability to retain key employees of any acquired businesses or for our current business based on changed circumstances.

Accordingly, although there can be no assurance that we will undertake or successfully complete any transactions of the nature described above, any transactions that we do complete may be subject to the foregoing or other risks, and could have a material adverse effect on our business, results of operations, financial condition and prospects.

Our business and operations are vulnerable to computer system failures, cyber-attacks or deficiencies in our cybersecurity, which could increase our expenses, divert the attention of our management and key personnel away from our business operations and adversely affect our results of operations.

Despite the implementation of security measures, our internal computer systems, and those of third parties on which we rely, are vulnerable to damage from: computer viruses; malware; natural disasters; terrorism; war; telecommunication and electrical failures; cyber-attacks or cyber-intrusions over the Internet; attachments to emails; persons inside our organization; or persons with access to systems inside our organization. The risk of a security breach or disruption, particularly through cyber-attacks or cyber-intrusions, including by computer hackers, foreign governments, and cyber terrorists, has generally increased as the number, intensity and sophistication of attempted attacks and intrusions from around the world have increased. If such an event were to occur and cause interruptions in our operations, it could result in a material disruption of our product development programs. For example, the loss of clinical trial data from completed or ongoing or planned clinical trials could result in delays in our regulatory approval efforts and significantly increase our costs to recover or reproduce the data. In addition, the widespread availability, adoption and rapid evolution of artificial intelligence technologies may increase our cybersecurity risk, including the use of generative artificial intelligence to augment existing or create new malware. To the extent that any disruption or security breach was to result in a loss of or damage to our data or applications, or inappropriate disclosure of confidential or proprietary information, we could incur material legal claims and liability, and damage to our reputation, and the further development of our product candidates could be delayed. We could be forced to expend significant resources in response to a cybersecurity breach, including repairing system damage, increasing cybersecurity protection costs by deploying additional personnel and protection technologies, paying regulatory fines and resolving legal claims and regulatory actions, all of which would increase our expenses, divert the attention of our management and key personnel away from our business operations and adversely affect our results of operations.

Failure to comply with health and data protection laws and regulations could lead to government enforcement actions (which could include civil or criminal penalties), private litigation or adverse publicity and could negatively affect our operating results and business.

We and our current and any of our future collaborators may be subject to federal, state and foreign data protection laws and regulations (i.e., laws and regulations that address privacy and data security). In the U.S., numerous federal and state laws and regulations, including federal health information privacy laws (e.g., the Health Insurance Portability and Accountability Act (“HIPAA”), as amended by the Health Information Technology for Economic and Clinical Health Act (“HITECH”)), state data breach notification laws, state health information privacy laws and federal and state consumer protection laws (e.g., Section 5 of the Federal Trade Commission Act), that govern the collection, use, disclosure and protection of health-related and other personal information could apply to our operations or the operations of our collaborators. In addition, we may obtain health information from third parties (including research institutions from which we obtain clinical trial data) that are subject to privacy and security requirements under HIPAA, as amended by HITECH, or other privacy and data security laws. Depending on the facts and circumstances, we could be subject to criminal penalties if we knowingly obtain, use, or disclose individually identifiable health information maintained by a HIPAA-covered entity in a manner that is not authorized or permitted by HIPAA.

International data protection laws, including Regulation 2016/679, known as the General Data Protection Regulation (“GDPR”), may also apply to health-related and other personal information obtained outside of the U.S. The GDPR went into effect on May 25, 2018. The GDPR introduced new data protection requirements in the EU, as well as potential fines for non-compliant companies of up to the greater of €20 million or 4% of annual global revenue. The regulation imposes numerous new requirements for the collection, use, storage and disclosure of personal information, including more stringent requirements relating to consent and the information that must be shared with data subjects about how their personal information is used, the obligation to notify regulators and affected individuals of personal data breaches, extensive new internal privacy governance obligations and obligations to honor expanded rights of individuals in relation to their personal information (e.g., the right to access, correct and delete their data). In addition, the GDPR includes restrictions on cross-border data transfers. The GDPR increased our responsibility and liability in relation to personal data that we process where such processing is subject to the GDPR, and we may be required to put in place additional mechanisms to ensure compliance with the GDPR, including as implemented by individual countries.

Australia has enacted robust data protection regulations to safeguard personal information of its citizens. These laws include the Federal Privacy Act of 1988 and Privacy Legislation Amendment Act of 2022. These laws also specifically address data protection measures such data residency requirements, requirements for handling personal health records and data subject rights that detail specific rights Australian citizens have on the collection and use of their personal data.

In addition, California enacted the California Consumer Privacy Act (“CCPA”), which creates new individual privacy rights for California consumers (as defined in the law) and places increased privacy and security obligations on entities handling personal data of consumers or households. The CCPA requires covered companies to provide new disclosure to consumers about such companies’ data collection, use and sharing practices, provide such consumers new ways to opt-out of certain sales or transfers of personal information, and provide consumers with additional causes of action. The CCPA went into effect on January 1, 2020, and certain amendments went into effect in 2023. Other states have adopted similar laws. The CCPA, and other state privacy laws, may impact our business activities and exemplify the vulnerability of our business to the evolving regulatory environment related to personal data and protected health information.

Compliance with U.S. and international data protection laws and regulations could require us to take on more onerous obligations in our contracts, restrict our ability to collect, use and disclose data, or in some cases, impact our ability to operate in certain jurisdictions. Failure to comply with U.S. and international data protection laws and regulations could result in government enforcement actions (which could include civil or criminal penalties), private litigation or adverse publicity and could negatively affect our operating results and business.

If we, our contract research organizations (“CROs”) or our information technology (“IT”) vendors experience security or data privacy breaches or other unauthorized or improper access to, use of, or destruction of personal data, we may face costs, significant liabilities, harm to our brand and business disruption.

In connection with our drug research and development efforts, we or our CROs may collect and use a variety of personal data, such as names, mailing addresses, email addresses, phone numbers and clinical trial information. Although we have extensive measures in place to prevent the sharing and loss of patient data in our clinical trial processes associated with our developed technologies and drug candidates, any failure to prevent or mitigate security breaches or improper access to, use of, or disclosure of our clinical data or patients’ personal data could result in significant liability under state (e.g., state breach notification laws), federal (e.g., HIPAA, as amended by HITECH), and international laws (e.g., the GDPR). Any failure to prevent or mitigate security breaches or improper access to, use of, or disclosure of our clinical data or patients’ personal data may cause a material adverse impact to our reputation, affect our ability to conduct new studies and potentially disrupt our business. We may also rely on third-party IT vendors to host or otherwise process some of our data and that of users, and any failure by such IT vendor to prevent or mitigate security breaches or improper access to or disclosure of such information could have similarly adverse consequences for us. If we are unable to prevent or mitigate the impact of such security or data privacy breaches, we could be exposed to litigation and governmental investigations, which could lead to a potential disruption to our business.

If we do not comply with laws regulating the protection of the environment and health and human safety, our business could be adversely affected.

Our research and development and drug candidates and future commercial manufacturing may involve the use of hazardous materials and various chemicals. We currently do not maintain a research laboratory, but we engage third-party research organizations and manufacturers to conduct our preclinical studies, clinical trials and manufacturing. These third-party laboratories and manufacturers are subject to federal, state and local laws and regulations governing the use, manufacture, storage, handling and disposal of these hazardous materials. We must rely on the third parties’ procedures for storing, handling and disposing of these materials in their facilities to comply with the relevant guidelines of the states in which they operate and the Occupational Safety and Health Administration of the U.S. Department of Labor. Although we believe that their safety procedures for handling and disposing of these materials comply with the standards mandated by applicable regulations, the risk of accidental contamination or injury from these materials cannot be eliminated. If an accident occurs, this could result in significant delays in our development. We are also subject to numerous environmental, health and workplace safety laws and regulations. Although we maintain workers’ compensation insurance to cover us for costs and expenses we may incur due to injuries to our employees, this insurance may not provide adequate coverage against potential liabilities. Additional federal, state and local laws and regulations affecting our operations may be adopted in the future. We may incur substantial costs to comply with, and substantial fines or penalties if we violate, any of these laws or regulations.

We have limited the liability of and indemnified our directors and officers.

Although our directors and officers are accountable to us and must exercise good faith, good business judgement, and integrity in handling our affairs, our directors and officers liability insurance policy, our Second Amended and Restated Certificate of Incorporation (the “Certificate of Incorporation”) and indemnification agreements executed by all of our non-employee directors and officers provide that our non-employee directors and officers will be indemnified to the fullest extent permitted under Delaware law. As a result, our stockholders may have fewer rights against our non-employee directors and officers than they would have absent such provisions in our Certificate of Incorporation and indemnification agreements, and a stockholder’s ability to seek and recover damages for a breach of fiduciary duties may be reduced or restricted. Delaware law allows indemnification of our non-employee directors and officers if a non-employee director or officer (a) has acted in good faith, in a manner he or she reasonably believes to be in or not opposed to our best interests, and (b) with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful.

Pursuant to the Certificate of Incorporation and indemnification agreement, each non-employee director and officer who is made a party to a legal proceeding because he or she is or was a non-employee director or officer, is indemnified by us from and against any and all liability, except that we may not indemnify a non-employee director or officer: (a) for any liability incurred in a proceeding in which such person is adjudged liable to us or is subjected to injunctive relief in favor of us; (b) for acts or omissions that involve intentional misconduct or a knowing violation of law, fraud or gross negligence; (c) for unlawful distributions; (d) for any transaction for which such non-employee director or officer received a personal benefit or as otherwise prohibited by or as may be disallowed under Delaware law; or (e) with respect to any dispute or proceeding between us and such non-employee director or officer unless such indemnification has been approved by a disinterested majority of the Board or by a majority in interest of disinterested stockholders. We are required to pay or reimburse attorney’s fees and expenses of a non-employee director or officer seeking indemnification as they are incurred, provided the non-employee director or officer executes an agreement to repay the amount to be paid or reimbursed if there is a final determination by a court of competent jurisdiction that such person is not entitled to indemnification.

We also maintain a general liability insurance policy that covers certain liabilities of directors and officers of our corporation arising out of claims based on acts or omissions in their capacities as directors or officers.

Future legislation or executive or private sector actions may increase the difficulty and cost for us to commercialize our products and adversely affect the prices obtained for such products.

In the U.S., there have been and continue to be a number of legislative initiatives to contain healthcare costs. For example, in March 2010, the Affordable Care Act (the “ACA”), was enacted, which substantially changed the way healthcare is financed by both governmental and private insurers, and significantly impacted the U.S. pharmaceutical industry.

Since its enactment, there have been numerous judicial, administrative, executive, and legislative challenges to certain aspects of the ACA, and we expect there will be additional challenges and amendments to the ACA in the future. If any of these developments continue the downward pressure on pharmaceutical pricing, especially under the Medicare program, or increase regulatory burdens and operating costs, it could adversely impact our business. We cannot predict what effect further changes to the ACA would have on our business.

In addition, government price reporting and payment regulations are complex, and we will be required to continually assess the methods by which we plan to calculate and report any future pricing in accordance with these obligations. Our methodologies for calculations are inherently subjective and may be subject to review and challenge by various government agencies, which may disagree with our interpretation. If the government disagrees with our reported calculations, we may need to restate the previously reported data and could be subject to additional financial and legal liability.

Further, the increasing cost of healthcare as a percentage of GDP and the massive and increasing deferred liabilities behind most governmental healthcare programs (such as Medicare and Medicaid and state and local healthcare programs especially for retirement benefits) continue to be an economic challenge which threatens the overall economic health of the U.S. High cost healthcare products and therapies that are early in their life cycle are attractive targets for parties that believe that the cost of healthcare must be better controlled and significantly reduced. Pharmaceutical prices and healthcare reform have been debated and acted upon by legislators for many years. Future legislation or executive or private sector actions related to healthcare reform could materially and adversely affect our business by reducing our ability to generate revenue at prices sufficient to reward for the risks and costs of pharmaceutical development, to raise capital, and to market our products.

There is no assurance that federal or state healthcare reform will not adversely affect our future business and financial results, and we cannot predict how future federal or state legislative, judicial or administrative changes relating to healthcare reform and third-party payers will affect the pharmaceutical industry in general and our business in particular.

Even if we are able to commercialize any drug candidate, such drug candidate may become subject to unfavorable pricing regulations or third-party coverage and reimbursement policies, which would harm our business.

Our ability to commercialize any products successfully will depend, in part, on the extent to which coverage and adequate reimbursement for these products and related treatments will be available from third-party payers, such as government authorities, private healthcare insurers and health maintenance organizations. Patients who are prescribed medications for the treatment of their conditions generally rely on third-party payers to reimburse all or part of the costs associated with their prescription drugs. Coverage and adequate reimbursement from government healthcare programs, such as Medicare and Medicaid, and private healthcare insurers are critical to new product acceptance. Patients are unlikely to use our future products, if any, unless coverage is provided and reimbursement is adequate to cover a significant portion of the cost.

Cost-containment is a priority in the U.S. healthcare industry and elsewhere. As a result, government authorities and other third-party payers have attempted to control costs by limiting coverage and the amount of reimbursement for particular medications. Increasingly, third-party payers are requiring that drug companies provide them with predetermined discounts from list prices and are challenging the prices charged for medical products. Third-party payers also may request additional clinical evidence beyond the data required to obtain marketing approval, requiring a company to conduct expensive pharmacoeconomic studies in order to demonstrate the medical necessity and cost-effectiveness of its products. Commercial third-party payers often rely upon Medicare coverage policy and payment limitations in setting their reimbursement rates, but also have their own methods and approval process apart from Medicare determinations. Therefore, coverage and reimbursement for pharmaceutical products in the U.S. can differ significantly from payer to payer. We cannot be sure that coverage and adequate reimbursement will be available for any product that we commercialize and, if reimbursement is available, that the level of reimbursement will be adequate. Coverage and reimbursement may impact the demand for, or the price of, any drug candidate for which we obtain marketing approval. If coverage and reimbursement are not available or are available only at limited levels, we may not be able to successfully commercialize any drug candidate for which we obtain marketing approval.

Additionally, the regulations that govern regulatory approvals, pricing and reimbursement for new drugs and therapeutic biologics vary widely from country to country. Some countries require approval of the sale price of a drug or therapeutic biologic before it can be marketed. In many countries, the pricing review period begins after marketing approval is granted. In some foreign markets, prescription pharmaceutical pricing remains subject to continuing governmental control even after initial approval is granted. As a result, we might obtain regulatory approval for a product in a particular country, but then be subject to price regulations that delay our commercial launch of the product, possibly for lengthy time periods, and negatively impact the revenues we are able to generate from the sale of the product in that country. Adverse pricing limitations may hinder our ability to recoup our investment in one or more drug candidates, even if our drug candidates obtain regulatory approval.

Politically divided governmental actions and related political actions outside of government can impact the FDA's role in the timely and effective review of new pharmaceutical products in the U.S. and our business may be adversely impacted.

In recent years, there has been significant political conflict around budgeting and governmental funding of operations in the U.S. government. Shutdowns or threats to government shutdowns are recurring events. In the past, these events have limited the FDA to activities necessary to address imminent threats to human life and to activities funded by carry-over user fees. Future government shutdowns or other activities which limit the financial resources available to the FDA (and in particular to the Center for Drug Evaluation and Research) will delay the processing of new product drug development submissions, reviews, and approvals and other required regulatory actions. Such delays will adversely impact our business and financial condition.

Effective collaboration with the FDA for the approval of drug candidates is a highly demanding process which can result in increased time and expense to gain approvals.

We have in-house expertise and experience in the management of drug approvals. Qualified consultants and drug research organizations are also available to aid in our drug approval process; however, there is a meaningful risk that discussions and interactions inherent in the drug approval process and future developments or new improvements will result in delays, added expenses and new scientific/medical requirements which will cause adverse financial results and will likely impact the price of our common stock which could impact our ability to raise capital when needed.

Future tax reform measures may negatively impact our financial position.

Tax reform measures are unpredictable and can change as the U.S. Congress and executive leadership changes. For example, on December 22, 2017, the Tax Cuts and Jobs Act of 2017 was signed into law that significantly revised the Internal Revenue Code of 1986, as amended (the "Code"). It is difficult to predict what future tax reform measures, if any, could be implemented and the extent to which they will impact our financial condition and our business.

Foreign currency exchange rates may adversely affect our consolidated financial statements.

Sales and purchases in currencies other than the U.S. Dollar expose us to fluctuations in foreign currencies relative to the U.S. Dollar and may adversely affect our consolidated financial statements. Increased strength of the U.S. Dollar increases the effective price of our future drug products sold in U.S. Dollars into other countries, which may require us to lower our prices or adversely affect sales to the extent we do not increase local currency prices. Decreased strength of the U.S. Dollar could adversely affect the cost of materials, products and services we purchase overseas. Sales and expenses of our non-U.S. businesses are also translated into U.S. Dollars for reporting purposes and the strengthening or weakening of the U.S. Dollar could result in unfavorable foreign currency translation and transaction effects. In addition, certain of our businesses may in the future invoice customers in a currency other than the business' functional currency, and movements in the invoiced currency relative to the functional currency could also result in unfavorable foreign currency translation and transaction effects. We also face exchange rate risk from our investments in subsidiaries owned and operated in foreign countries.

Our anticipated operating expenses and capital expenditures over the next year are based upon our management's estimates of possible future events. Actual amounts and the cost of new conditions could differ materially from those estimated by our management.

Development of pharmaceuticals and cancer drugs is extremely risky and unpredictable. We have estimated operating expenses and capital expenditures over the next year based on certain assumptions. Any change in the assumptions could cause the actual results to vary substantially from the anticipated expenses and expenditures and could result in material differences in actual versus forecasted expenses or expenditures. Furthermore, all of the factors are subject to the effect of unforeseeable future events. The estimates of capital expenditures and operating expenses represent forward-looking statements within the meaning of the federal securities laws. Prospective investors are cautioned that any such forward-looking statements are not guarantees of future performance and involve risks and uncertainties. Actual events or results may differ materially from those discussed in the forward-looking statements as a result of various factors, including the risk factors set forth under this "Item 1A. Risk Factors" section in this Annual Report on Form 10-K.

The financial and operational projections that we may make from time to time are subject to inherent risks.

The projections that we provide herein or our management may provide from time to time (including, but not limited to, our success in raising strategic and substantial financial resources, cost and timing of our clinical trials, clinical and regulatory timelines, production and supply matters, commercial launch dates, and other financial or operational matters) reflect numerous assumptions made by our management, including assumptions with respect to our specific as well as general business, regulatory, economic, market and financial conditions and other matters, all of which are difficult to predict and many of which are beyond our control. Accordingly, there is a risk that the assumptions made in preparing the projections, or the projections themselves, will prove inaccurate. There may be differences between actual and projected results, and actual results may be materially different from those contained in the projections. The inclusion of the projections in this Annual Report on Form 10-K should not be regarded as an indication that our management considered or consider the projections to be a guaranteed prediction of future events, and the projections should not be relied upon as such. See "Cautionary Statement Concerning Forward-Looking Statements."

Our present and potential future international operations may expose us to business, political, operational, and financial risks associated with doing business outside of the U.S.

Our business is subject to risks associated with conducting business internationally. Some of our suppliers and clinical research organizations and clinical trial sites are located outside of the U.S. Furthermore, if we or any future collaborator succeeds in developing any products, we anticipate marketing them in the EU, the United Kingdom and other jurisdictions in addition to the U.S. If approved, we or our collaborator may hire sales representatives and conduct physician and patient association outreach activities outside of the U.S. Doing business internationally involves a number of risks, including but not limited to:

- multiple, conflicting and changing laws and regulations such as privacy regulations, tax laws, export and import restrictions, employment laws, regulatory requirements, and other governmental approvals, permits and licenses which can vary from jurisdiction to jurisdiction with different degrees of review and enforcement;
- failure by us to obtain and maintain regulatory approvals for the use of our products in various countries;
- rejection or qualification of foreign clinical trial data by the competent authorities of other countries;
- additional potentially relevant third-party patent and other intellectual property rights that may be necessary to develop and commercialize our products and drug candidates;
- complexities and difficulties in obtaining, maintaining, enforcing and defending our patent and other intellectual property rights;
- difficulties in staffing and managing foreign operations by a small-scale organization;
- complexities associated with managing multiple payer reimbursement regimes, government payers or patient self-pay systems;
- limits, as a U.S.-based company, in our ability to penetrate international markets;
- financial risks, such as longer payment cycles, difficulty collecting accounts receivable, impact of local and regional financial crises on demand and payment for our products and exposure to foreign currency exchange rate fluctuations;
- natural disasters, political and economic instability, including wars, terrorism and political unrest, disease outbreaks, boycotts, curtailment of trade and other business restrictions, implementation of tariffs;
- certain expenses including, among others, expenses for travel, translation and insurance; and
- regulatory and compliance risks that relate to anti-corruption compliance and record-keeping that may fall within the purview of the U.S. Foreign Corrupt Practices Act, its accounting provisions or its anti-bribery provisions or provisions of anti-corruption or anti-bribery laws in other countries.

Any of these factors could harm our ongoing international clinical operations and supply chain, as well as any future international expansion and operations and, consequently, our business, financial condition, prospects and results of operations.

The ongoing trade tensions resulting from tariff discussions/impositions can materially and adversely impact our business.

Significant trade developments in the jurisdictions in which we will sell our products, if approved, such as those stemming from the change in U.S. federal administration, are difficult to predict and may have a material adverse effect on us. For example, beginning in 2025, the U.S. expanded tariffs and other trade restrictions affecting imports from Canada, Mexico, China, the EU and certain other jurisdictions, including increased tariff rates on select goods and additional measures impacting cross-border supply chains. Historically, tariffs have led to increased trade and political tensions. In response to tariffs, other countries have implemented retaliatory tariffs on U.S. goods. Political tensions as a result of trade policies could reduce trade volume, investment, technological exchange and other economic activities between major international economies, resulting in a material adverse effect on global economic conditions and the stability of global financial markets. It may also be time- and resource-consuming for us to adapt our business strategies to adverse, changing trade policies. Any changes in political, trade, regulatory, and economic conditions, including U.S. trade policies, could have a material adverse effect on our financial condition or results of operations.

We are subject to U.S. and foreign anti-corruption and anti-money laundering laws with respect to our operations, and non-compliance with such laws can subject us to criminal or civil liability and harm our business.

We are subject to the U.S. Foreign Corrupt Practices Act of 1977 (“the FCPA”), as amended, the U.S. domestic bribery statute contained in 18 U.S.C. § 201, the U.S. Travel Act, the USA PATRIOT Act, and possibly other state and national anti-bribery and anti-money laundering laws in countries in which we conduct activities. Anti-corruption laws are interpreted broadly and prohibit companies and their employees, agents, third-party intermediaries, joint venture partners and collaborators from authorizing, promising, offering or providing, directly or indirectly, improper payments or benefits to recipients in the public or private sector. We interact with officials and employees of government agencies and government-affiliated hospitals, universities and other organizations. In addition, we may engage third-party intermediaries to promote our clinical research activities abroad or to obtain necessary permits, licenses and other regulatory approvals. We can be held liable for the corrupt or other illegal activities of these third-party intermediaries, our employees, representatives, contractors, partners and agents, even if we do not explicitly authorize or have actual knowledge of such activities.

We have a Code of Business Conduct and Ethics which mandates compliance with the FCPA and other anti-corruption laws applicable to our business throughout the world. However, we cannot assure you that our employees and third-party intermediaries will comply with this code or such anti-corruption laws. Noncompliance with anti-corruption and anti-money laundering laws could subject us to whistleblower complaints, investigations, sanctions, settlements, prosecution, other enforcement actions, disgorgement of profits, significant fines, damages, other civil and criminal penalties or injunctions, suspension or debarment from contracting with certain persons, the loss of export privileges, reputational harm, adverse media coverage and other collateral consequences. If any subpoenas, investigations or other enforcement actions are launched, or governmental or other sanctions are imposed, or if we do not prevail in any possible civil or criminal litigation, our business, results of operations and financial condition could be materially harmed. In addition, responding to any action will likely result in a materially significant diversion of management’s attention and resources and significant defense and compliance costs and other professional fees. In certain cases, enforcement authorities may even cause us to appoint an independent compliance monitor which can result in added costs and administrative burdens.

Risks Associated with our Common Stock

Existing and new investors will experience dilution as a result of future sales or issuances of our common stock, future exercises of the pre-funded warrants, and future option exercises under our 2016 Stock Incentive Plan and any amendments to the plan.

Our non-employee directors, employees, and certain of our consultants have been and will be issued equity and/or granted options that vest with the passage of time. Up to a total of 1,420,000 shares of our common stock may be issued as stock options or restricted stock units under the Amended and Restated Monopar Therapeutics Inc. 2016 Stock Incentive Plan, and stock options for the purchase of up to 671,265 shares of our common stock have already been granted (423,121 stock options are exercisable) and are outstanding along with 175,286 restricted stock units that have been granted to non-employee directors and employees as of March 17, 2026. The issuance of such equity upon vesting of restricted stock units and/or the exercise of such options, and the grant of new equity awards, will dilute both our existing and our new investors. As of March 17, 2026, 122,252 stock options have been exercised.

Our existing and our new investors will also experience substantial dilution resulting from the issuance by us of equity securities in connection with certain transactions, including without limitation, future offering of shares in future fundraising efforts, intellectual property licensing, acquisition, or commercialization arrangements, as well as in connection with future exercises of the pre-funded warrants that we have outstanding. See Note 4 of our consolidated financial statements included elsewhere in this Annual Report on Form 10-K for additional information on our pre-funded warrants.

The stock price of our common stock may be volatile or may decline regardless of our operating performance.

The market prices for securities of biotechnology and pharmaceutical companies have historically been highly volatile, and the market has from time-to-time experienced significant price and volume fluctuations that appear to be unrelated to the operating performance of particular companies. Our common stock has been trading on the Nasdaq Capital Market since December 19, 2019, and has experienced significant volatility in market prices through March 17, 2026, ranging from a low of \$28.89 to a high of \$102.05 over just the past 12 months. From time to time, whether in response to news releases or for uncertain reasons, our stock price has also experienced significant intraday volatility and volume changes. Our small public float and relatively low and inconsistent trading volumes exacerbate volatility.

The market price of our common stock is likely to remain highly volatile and may fluctuate substantially due to many factors, including:

- announcements concerning the progress and success of our clinical trials, our ability to obtain regulatory approval for and commercialize our product candidates, including any requests we receive from the FDA or TGA for additional studies or data that result in delays in obtaining regulatory approval or launching our product candidates, if approved;
- unstable market conditions in the pharmaceutical and biotechnology sectors or the economy as a whole;
- price and volume fluctuations in the overall stock market;
- the failure of our product candidates, if approved, to achieve anticipated commercial success in the time projected by securities analysts and others;
- announcements of disruptions in supply and manufacturing of ALXN1840, radioisotopes or raw materials required to manufacture radioisotopes, and any events that may disrupt the timely supply of radiopharmaceuticals to clinical sites;
- announcements of the clinical success, NDA approval or introduction of new products by us or our direct competitors;
- announcements of developments concerning product development results or intellectual property rights of others;
- litigation or public concern about the safety and/or efficacy of our potential or approved products;

- actual fluctuations in our quarterly or annual operating results, and concerns by investors that such fluctuations may occur in the future and are indicative of internal problems;
- deviations in our operating results from the estimates of securities analysts or other analyst comments;
- additions or departures of key personnel;
- healthcare reform legislation, including measures directed at controlling the pricing of pharmaceutical products, and third-party coverage and reimbursement policies;
- announcements or publicity concerning current or future strategic collaborations;
- discussion of our Company, our stock price or our potential future market value by the financial and scientific press and online investor communities; and
- market responses to the fluctuating conditions of COVID-19 or any future pandemics or to the Russia-Ukraine war, the Israel-Hamas conflict, the developments in Venezuela, and the conflict between the U.S., Israel and Iran and the ongoing instability in Persian Gulf states.

We may become involved in securities class action litigation that could divert management's attention and harm our business.

The stock markets have, from time-to-time, experienced significant price and volume fluctuations that have affected the market prices for the common stock of biotechnology and pharmaceutical companies. Our stock price has experienced such fluctuations since our initial public offering. These broad market fluctuations may cause the market price of our stock to advance or decline. In the past, securities class action litigation has often been brought against a company following a decline in the market price of its securities. This risk is especially relevant for us because biotechnology and pharmaceutical companies have experienced significant stock price volatility in recent years. We may become involved in this type of litigation in the future. Litigation often is expensive and diverts management's attention and resources, which could adversely affect our business.

Substantial amounts of our outstanding shares may be sold into the market. If there are substantial sales of shares of our common stock or exercises of the pre-funded warrants, the price of our common stock could decline.

The price of our common stock could decline if there are substantial sales of our common stock, particularly sales by our non-employee directors, executive officers and significant stockholders, or if there is a large number of shares of our common stock available for sale and the market perceives that sales will occur. We have 6,692,140 outstanding shares of our common stock as of March 17, 2026. A substantial portion of our outstanding shares of common stock are currently held by non-employee directors, executive officers and other affiliates and are subject to volume limitations under Rule 144 under the Securities Act of 1933, as amended (Securities Act).

Some of our largest stockholders have rights, subject to some conditions, to require us to file registration statements covering their shares or to include their shares in registration statements that we may file for ourselves or our stockholders. We have also registered shares of common stock that we have issued and may issue under our employee equity incentive plans. These shares are able to be sold freely in the public market upon issuance, subject to existing internal practices which prohibit sales under certain circumstances and volume limitations for affiliates. The market price of the shares of our common stock could decline as a result of the sale of a substantial number of our shares of common stock in the public market or the perception in the market that the holders of a large number of shares intend to sell their shares.

Our ability to use our net operating loss ("NOL") carryforwards and certain other tax attributes may be limited.

Under Section 382 of the Code, if a corporation undergoes an "ownership change" (generally defined as a greater than 50% change, by value, in its equity ownership over a three-year period), the corporation's ability to use its pre-change NOL carryforwards and other pre-change tax attributes (such as research tax credits) to offset its post-change income may be limited. We believe that recent financing rounds and the issuance of our common stock to AstraZeneca pursuant to our licensing agreement, along with additional fundraising efforts in the future, may trigger an "ownership change" limitation. As a result, if we earn net taxable income, our ability to use our pre-change NOL carryforwards to offset U.S. federal taxable income will be subject to limitations, which could result in increased future tax liability to us had we not been subject to such limitations.

If securities or industry analysts do not publish research or publish inaccurate or unfavorable research about our business, our stock price and trading volume could decline.

The trading market for our common stock will depend in part on the research and reports that securities or industry analysts publish about us or our business. If one or more of the analysts who cover us downgrade our stock or publish inaccurate or unfavorable research about our business, our stock price may decline. If one or more of these analysts cease coverage of our Company or fail to publish reports on us regularly, demand for our stock could decrease, which might cause our stock price and trading volume to decline.

We do not intend to pay dividends for the foreseeable future and, as a result, your ability to achieve a return on your investment will depend on appreciation in the price of our common stock.

We have never declared or paid any cash dividends on our capital stock, and we do not intend to pay any cash dividends in the foreseeable future. Any determination to pay dividends in the future will be at the discretion of our Board. Accordingly, investors must rely on sales of their common stock after price appreciation, which may never occur, as the only way to realize any future gains as a return on their investments.

There can be no assurance that we will ever provide liquidity to our investors through a sale of our Company.

While acquisitions of biopharmaceutical companies like ours are not uncommon, potential investors are cautioned that no assurances can be given that any form of merger, combination, or sale of our Company will take place or that any merger, combination, or sale, even if consummated, would provide liquidity or a profit for our investors. You should not invest in our Company with the expectation that we will be able to sell the business in order to provide liquidity or a profit for our investors.

Delaware law and provisions in our amended and restated bylaws could make a merger, tender offer or proxy contest difficult, thereby depressing the potential trading price of our common stock.

Anti-takeover provisions in our charter documents and under Delaware law could make an acquisition of us difficult, limit attempts by our stockholders to replace or remove our current management or Board and adversely affect our stock price.

Provisions of our amended and restated bylaws may delay or discourage transactions involving an actual or potential change in our control or change in our management, including transactions in which stockholders might otherwise receive a premium for their shares, or transactions that our stockholders might otherwise deem to be in their best interests. Therefore, these provisions could adversely affect the price of our stock. Among other things, our amended and restated bylaws:

- provide that all vacancies on our Board may only be filled by our Board and not by stockholders;
- allow the holders of a plurality of the shares of common stock entitled to vote in any election of directors to elect all of the directors standing for election, if they should so choose; and
- provide that special meetings of our stockholders may be called only by our Board.

In addition, because we are incorporated in Delaware, we are governed by the provisions of Section 203 of the Delaware General Corporation Law, which generally prohibits a Delaware corporation from engaging in any of a broad range of business combinations with any “interested” stockholder for a period of three years following the date on which the stockholder became an “interested” stockholder.

Item 1C. Cybersecurity

Like many companies, we face significant and persistent cybersecurity risks. The small size of our organization and limited resources could exacerbate these risks. However, we are committed to maintaining governance and oversight of these risks and to implementing standard operating procedures (“SOPs”) and training to help us assess, identify, monitor and respond to these risks. Some examples of procedures implemented include an internal inventory of software and database exposures, a risk analysis of database vendors, and a review of vendor back-up, security and privacy measures. In addition, we have issued a Board-approved internal cybersecurity policy which will be the basis for SOPs and training. Our internal server includes a firewall and is scanned for malware several times a day, and the data are backed up in the Cloud for ease of restoration as needed. Employees are trained to avoid phishing emails and our internal controls system is designed to mitigate the risk of payments of fraudulent invoices. While we have not, as of the date of this Annual Report of Form 10-K, experienced any significant cybersecurity threats, including as a result of previous incidents, that we believe are reasonably likely to result in a material adverse impact to our business strategy, results of operations or financial condition, there can be no guarantee that we will not experience a material incident in the future. Such incidents, whether successful or not, could impair our access to critical information including confidential operational and patient records and have the potential to be costly to effect remedies. See “Item 1A. Risk Factors” for more information on our cybersecurity risks.

We aim to incorporate industry best practices for companies of our size and financial strength throughout our cybersecurity program. Our cybersecurity strategy focuses on implementing effective and efficient controls, technologies, and training programs to assess, identify, and manage material cybersecurity risks. Our Board has ultimate oversight of cybersecurity risks and has established a cybersecurity committee headed by our former Chief Financial Officer who is a member of our Board. As a small organization with limited resources, we do not have a dedicated cybersecurity organization or employee personnel with specific cybersecurity expertise. Our former Chief Financial Officer was chosen to head our cybersecurity committee due to more generalized management experience with financial and operating systems and previous experience with oversight of third-party providers. Our management team and our Board regularly review our cybersecurity program which generally occurs at least annually, or more frequently as determined to be necessary or advisable.

Item 2. Properties

We entered into a 36-month lease that commenced on April 1, 2025, for our executive headquarters at 1000 Skokie Blvd in the Village of Wilmette, Illinois, at a monthly rate of \$3,580. On November 1, 2025, we entered into an additional 36-month lease at the same location at a monthly rate of \$5,002, which replaced a previous month-to-month arrangement for that space. Additionally, on January 16, 2025, we entered into a one-year lease for a small wet laboratory space and certain equipment at the Helix 51 Bioscience Incubator at The Rosalind Franklin University of Medicine and Science in North Chicago, Illinois, at a rate of \$1,000 per month, which was cancellable after six months with 30 days’ advance written notice. Since the expiration of the initial one-year term, we have continued to occupy this space on a month-to-month basis.

Item 3. Legal Proceedings

We are currently not, and to date have never been, a party to any adverse material legal proceedings.

Item 4. Mine Safety Disclosures

Not applicable.

PART II

Item 5. Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

Our common stock is listed under the symbol “MNPR” on the Nasdaq Capital Market.

Holders

As of March 17, 2026, there were 6,692,140 shares of our common stock outstanding held by 27 holders of record. There were approximately 3,800 beneficial stockholders as of April 25, 2025.

Dividends

We have never paid cash dividends on any of our capital stock, and we currently intend to retain our future earnings, if any, to fund the development and growth of our business. We do not intend to pay cash dividends to holders of our common stock in the foreseeable future.

Item 6. [Reserved]

Item 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations

You should read the following discussion and analysis of our financial condition and results of operations together with our financial statements and related notes appearing at the end of this Annual Report on Form 10-K. Some of the information contained in this discussion and analysis or set forth elsewhere in this Annual Report on Form 10-K, including information with respect to our plans and strategy for our business and related financing activities, includes forward-looking statements that involve risks and uncertainties. You should read the “Item 1A. Risk Factors” section of this Annual Report on Form 10-K for a discussion of important factors that could cause actual results to differ materially from the results described in or implied by the forward-looking statements contained in the following discussion and analysis.

Overview

We are a clinical-stage biopharmaceutical company with late-stage ALXN1840 for Wilson disease, and radiopharmaceutical programs, including Phase 1-stage MNPR-101-Zr for imaging advanced cancers along with Phase 1a-stage MNPR-101-Lu and late preclinical-stage MNPR-101-Ac225 for the treatment of advanced cancers. We leverage our scientific and clinical experience to help reduce the risk and accelerate the clinical development of our drug product candidates.

Financial Status

Our cash, cash equivalents and investments as of December 31, 2025, were \$140.4 million. As discussed further below and elsewhere in this Annual Report on Form 10-K, we expect that our current funds will be sufficient at least through December 31, 2027, in order for us to: (1) assemble a regulatory package and file an NDA for the in-licensed ALXN1840 investigational drug candidate for Wilson disease; (2) continue to conduct and conclude our first-in-human imaging and dosimetry clinical trial with MNPR-101-Zr, continue to conduct our first-in-human therapeutic clinical trial of MNPR-101-Lu, and advance our preclinical MNPR-101-Ac program into the clinic; and (3) invest in internal R&D projects to expand our radiopharmaceutical pipeline.

Prior to the fourth quarter of 2024, our primary funding source since our initial public offering was sales of shares of our common stock under at-the-market sales programs.

On October 30, 2024, we sold 1,181,540 shares of our common stock at \$16.25 per share in a public offering, yielding net proceeds of approximately \$17.8 million, after deducting placement agent fees and other offering costs.

On December 23, 2024, we sold 798,655 shares of our common stock at \$23.79 per share in a public offering. Concurrent with that offering, we completed a private placement of pre-funded warrants to purchase 882,761 shares of common stock at a purchase price of \$23.789 per pre-funded warrant to an institutional investor. The net proceeds of the shares and the pre-funded warrants sold were approximately \$37.4 million after fees, commissions and other offering costs.

On September 23, 2025, we sold 1,034,433 shares of our common stock at \$67.67 per share and pre-funded warrants to purchase 960,542 shares of our common stock at \$67.669 per pre-funded warrant, reflecting the \$0.001 exercise price, in a public offering. The net proceeds of the shares and pre-funded warrants sold were approximately \$126.9 million after underwriting discounts and commissions but before offering expenses. On September 24, 2025, pursuant to a share purchase agreement with Tactic Pharma, an existing significant stockholder that held approximately 13.4% of our common stock prior to this purchase, we used \$35 million of the offering proceeds to repurchase 500,229 shares of our common stock from Tactic Pharma at \$63.6098 per share, which equals the public offering price per share less underwriting discounts and commissions. After giving effect to the repurchase, our net proceeds from the offering were approximately \$91.9 million before estimated offering costs.

ALXN1840 for Wilson Disease

ALXN1840 (tiomolybdate choline) is an investigational once-daily, orally-administered drug candidate in development for the treatment of Wilson disease, a rare and progressive genetic condition in which the body’s pathway for removing excess copper is compromised. Over time this excess copper results in the build-up of toxic copper levels in the liver and brain, leading to damage that greatly impacts a patient’s life. Patients can develop a wide range of symptoms, including liver disease and psychiatric or neurological manifestations, such as personality changes, tremors and difficulty walking, swallowing or talking. In some cases, the damage and loss of function may be irreversible. ALXN1840 is a novel small molecule designed to selectively and tightly bind and remove copper from the body’s tissues and blood. ALXN1840 has been granted Orphan Drug Designation for the treatment of Wilson disease in the U.S. and the EU, as well as Fast Track designation from the FDA.

Wilson disease affects approximately 1 in 30,000 live births in the U.S. There are an estimated 10,000 Wilson disease patients in the U.S., with an estimated 5,000 patients currently diagnosed and being treated with standard-of-care (“SoC”).

Alexion completed a pivotal Phase 3 clinical trial of Wilson disease patients on ALXN1840, which met its primary endpoint in assessing copper mobilization over 48 weeks, defined as daily mean Area Under the Effect Curve (“AUEC”) for directly measured non-ceruloplasmin-bound copper (“dNCC”). In the trial, 214 patients were enrolled, and the trial was randomized, rater-blinded, and multi-centered, designed to evaluate the efficacy and safety of ALXN1840 versus SoC in patients with Wilson disease aged 12 years and older. Patients taking ALXN1840 experienced rapid copper mobilization, with a response at 4 weeks and sustained through the 48 weeks. The primary endpoint demonstrated three-times greater copper mobilization with ALXN1840 compared to the SoC arm (Least Square Mean Difference (“LSM Diff”) 2.18 $\mu\text{mol/L}$; $p < 0.0001$), including in patients who had been treated previously with SoC for an average of 10 years.

Additionally, data from patients in the Phase 3 clinical trial who exhibited at the time of study entry an incomplete and/or intolerant response (“IIR”) to prior treatment on SoC showed that more patients on ALXN1840 as compared to SoC in the trial exhibited improved neurological symptoms (45% vs. 20%, respectively) and fewer exhibited worsened neurological symptoms (5% vs. 17%, respectively) when assessed on a reported Minimal Clinically Important Difference (“MCID”) scale. These data suggest ALXN1840 may reduce the risk of neurological worsening when compared to SoC.

Alexion terminated the ALXN1840 program in Wilson disease based on its review of results from the Phase 2 mechanistic trials and discussions with the regulatory authorities. Their analysis of the Phase 2 mechanistic trials was that they failed to demonstrate a net-negative copper balance in Wilson disease patients during short-term treatment with ALXN1840 and to reduce hepatic copper concentration after treatment with ALXN1840. The decision not to progress the ALXN1840 program in Wilson disease was not related to any safety signals.

Following Alexion’s decision, in October 2024, we entered into an exclusive worldwide license for the program and assumed responsibility for all future global development and commercialization activities. On May 7, 2025, we presented data on the long-term efficacy and safety of ALXN1840 at the European Association for the Study of the Liver (EASL) International Liver Congress 2025, a prominent global conference in liver disease. Efficacy data were pooled and analyzed from three clinical trials: Phase 2 WTX101-201, Phase 2 ALXN1840-WD-205, and Phase 3 WTX101-301 (n=255). For safety analysis, data from the Phase 2 ALXN1840-WD-204 trial were also included (n=266). The median treatment duration with ALXN1840 treatment was 961 days (2.63 years) and 943.5 days (2.58 years) for the efficacy and safety datasets, respectively. The data presented highlight the following:

- Sustained improvements from baseline in the Unified Wilson Disease Rating Scale (“UWDRS”) Part II (patient-reported symptoms) and Part III (clinician-assessed symptoms);
- Increased copper mobilization as evidenced by a sustained increase in dNCC;
- Improvements on the Clinical Global Impression – Improvement (“CGI-I”) scale for ALXN1840 compared to SoC;
- Improvement in the New Wilson Index (based on bilirubin, AST, INR, leukocytes, and albumin) for patients treated with ALXN1840;
- Higher patient-reported convenience and effectiveness of ALXN1840 compared to SoC, including those who transitioned from SoC to ALXN1840 in the extension portion of the Phase 3 clinical trial; and
- Fewer than 5% of patients experienced a drug-related serious adverse event (“SAE”), with no cases of a drug-related renal or urinary system SAE.

On June 6, 2025, Alexion officially transferred sponsorship of the investigational new drug (“IND”) application for ALXN1840 to us. The FDA acknowledged this change on July 29, 2025, confirming that the transfer was effective as of June 6, 2025. We are now fully responsible for the program, including its commercial advancement and compliance with all applicable federal regulations.

On September 14-15, 2025, we presented new data on the long-term neurological efficacy and safety of ALXN1840 at the 150th American Neurological Association (ANA) Annual Meeting. The analysis pooled efficacy and safety data from the same clinical trials pooled and analyzed for the EASL presentation above. The new findings presented at ANA highlight the long-term neurological benefit of ALXN1840, and follow the EASL presentation of long-term hepatic and systemic safety and efficacy data. Together, these findings underscore the potential of ALXN1840 to favorably impact both neurological and hepatic manifestations of Wilson disease. The ANA data presented highlight the following:

- Statistically significant neurologic improvement from baseline on the UWDRS Part II and Part III was sustained over 6 years;
- Patients who crossed over from SoC to ALXN1840 showed additional neurological improvement, including a majority of patients who had worsened on SoC demonstrating a reversal on ALXN1840;
- Statistically significant psychiatric improvement from baseline was sustained over multiple years, as measured by the Brief Psychiatric Rating Scale (“BPRS”);
- Neurological benefit was observed consistently across multiple independent studies; and
- Across more than 645 patient-years on ALXN1840, less than 1% of patients experienced a drug-related neurological SAE.

On November 9, 2025, we presented new data and analyses from the Phase 2 ALXN1840-WD-204 copper balance study at the American Association for the Study of Liver Diseases (AASLD) – The Liver Meeting® 2025. In an oral presentation titled “Rapidly Improved Cu Balance in Wilson Disease Patients on Tiomolybdate Choline,” we shared results showing that treatment with ALXN1840 (tiomolybdate choline) led to a rapid and sustained improvement in daily copper balance in patients with Wilson disease, primarily through increased fecal copper excretion.

The mean daily copper balance among patients treated with ALXN1840 in the study (n=8) was significantly lower – indicating improvement – compared with their pre-treatment baseline. Copper balance improved both during the initial 15 mg once-daily dosing period (days 1-28) and over the entire treatment duration (days 1-39), which included patients receiving either 15 mg every other day or 30 mg once daily.

Based on recent regulatory interactions with the FDA regarding ALXN1840, during which the agency has encouraged continued dialogue with us on certain questions they have before we submit our NDA, we currently expect to submit our NDA in mid-2026. This anticipated timing reflects our efforts to incorporate additional information and further refine the submission package. However, there can be no assurance that the FDA will accept the NDA for filing or that the application will ultimately be approved.

MNPR-101 for Radiopharmaceutical Use, Development Update

We have a proprietary humanized monoclonal antibody, MNPR-101, that targets the urokinase plasminogen activator receptor (“uPAR”). uPAR is expressed on several of the more aggressive, deadly cancers including pancreatic, breast, ovarian, colorectal, and bladder cancers. We have conjugated MNPR-101 to imaging and therapeutic radioisotopes for the purpose of creating highly precise radiopharmaceutical agents that have the potential to image and treat tumors expressing uPAR while reducing exposure to healthy tissues. In February 2024, we received regulatory clearance in Australia to commence a first-in-human Phase 1 imaging and dosimetry clinical trial with our novel radiopharmaceutical imaging agent MNPR-101-Zr (MNPR-101 conjugated to zirconium-89) in patients with advanced cancers, and in April 2024, we launched the Phase 1 trial. In July 2024, we announced the enrollment of our first patient, and in September 2024, we announced positive early clinical data validating the tumor-targeting ability of MNPR-101-Zr. In August 2024, we received regulatory clearance in Australia to commence a first-in-human Phase 1a clinical trial of our novel uPAR-targeted radiopharmaceutical therapy MNPR-101-Lu (MNPR-101 conjugated to lutetium-177) in patients with advanced solid cancers. We launched the trial in October 2024, and it is now active and open for patient enrollment. We dosed our first with MNPR-101-Lu in early December 2024.

In October 2024, we presented clinical data at the European Association of Nuclear Medicine Annual Congress 2024 showing significant uptake of MNPR-101-Zr in a patient with advanced ovarian cancer together with preclinical and clinical data showing favorable biodistribution, tumor uptake, and low off-target binding of our uPAR-targeted radiopharmaceuticals MNPR-101-Zr, MNPR-101-Lu, and MNPR-101-Ac (MNPR-101 conjugated to actinium-225).

On June 11, 2025, we, in collaboration with Excel Diagnostics and Nuclear Oncology Center (“EDNOC”), a diagnostic medical imaging and therapeutic nuclear medicine center, received authorization from the FDA to proceed with a physician-sponsored Expanded Access Program (“EAP”) for the investigational imaging agent MNPR-101-Zr and investigational therapeutic agent MNPR-101-Lu. The MNPR101 EAP, which is intended to provide a potential pathway for patients with serious or life-threatening conditions to access investigational medical products outside of clinical trials when no comparable or satisfactory alternative therapy is available, is now open for enrollment at EDNOC in Houston, Texas, for patients with advanced solid tumors. EDNOC is among the first private outpatient facilities in the U.S. to be designated as a Radiopharmaceutical Therapy Center of Excellence by the Society of Nuclear Medicine and Molecular Imaging (“SNMMI”). The EAP calls for patients to be treated under the supervision of the investigator Ebrahim S. Delpassand, MD, founder and medical director of EDNOC.

On September 26, 2025, we received FDA clearance on our IND application for MNPR-101-Lu, which covers the protocol titled “*Phase I, Open-Label, Multicenter, Dosimetry and Dose-Escalation Trial to Characterize the Safety, Tolerability, and Anti-Tumor Activity of Fractionated MNPR-101-Lu Dosing in the Treatment of uPAR-Expressing Advanced or Metastatic Solid Tumors.*” This IND incorporates our proprietary linker technology, which has been designed to enhance the stability and biodistribution of our therapeutic radiopharmaceuticals.

We are also actively exploring opportunities to expand our radiopharmaceutical pipeline primarily through internal development efforts. In October 2024, we announced the filing of a provisional patent application for new radiopharmaceutical compounds and a family of linkers used to connect radioisotopes with targeting agents, including our uPAR-targeting antibody MNPR-101. In March 2025, we filed a corresponding international patent application claiming priority to the October 2024 provisional filing (International Patent Application No. PCT/US2025/021595).

Our Strategy

Our management team has extensive experience in developing therapeutics and medical technologies through global regulatory approval and commercialization. In aggregate, companies they co-founded have achieved four drug approvals and three diagnostic medical imaging device approvals in the U.S. and the EU, successfully sold an asset developed by management which subsequently had a positive Phase 3 clinical trial, sold two oncology-focused diagnostic imaging businesses to Fortune Global 1000 firms, and completed the clinical and commercial development and ultimately the sale of a commercial biopharmaceutical company for \$800 million in cash. In addition, the team has supported multiple regulatory submissions with the FDA and EMA and launched multiple drugs in the U.S and the EU. Understanding the preclinical, clinical, regulatory and commercial development processes and hurdles are key factors in successful drug development, and the expertise demonstrated by our management team across all of these areas increases the probability of success in advancing the product candidates in our product pipeline. Our strategic goal is to acquire, develop, and commercialize innovative treatments for patients with unmet medical needs. Key elements of our strategy to achieve this goal are to:

- **Assemble a regulatory package for ALXN1840 to file an NDA.** We are assembling a regulatory package to support an NDA approval for ALXN1840 in Wilson disease patients.
- **Advance the development of MNPR-101 for radiopharmaceutical use as a therapeutic as well as a diagnostic imaging agent.** Based on promising preclinical data from our imaging and efficacy animal model studies in multiple cancers including triple-negative breast and pancreatic cancers, and human clinical data from our MNPR-101-Zr Phase 1 clinical trial validating the tumor-targeting ability of MNPR-101, we have dedicated resources and funds toward the development of our radiopharmaceutical programs. We have two open and active human clinical trials for our MNPR-101 radiopharmaceutical program: a Phase 1 imaging and dosimetry clinical trial of MNPR-101-Zr in patients with advanced cancers; and a Phase 1a therapeutic clinical trial of MNPR-101-Lu in patients with advanced cancers. In addition, we are continuing our preclinical development of MNPR-101-Ac, using the alpha-emitter actinium-225 conjugated to MNPR-101.
- **Expand our drug development pipeline through internal efforts, in-licensing and acquisition of product candidates.** We plan to continue the expansion of our drug development pipeline through internal research and development, as well as by potentially acquiring or in-licensing additional product candidates, particularly those that leverage existing scientific and clinical data to help reduce the risks of

the next steps in clinical development. The focus on this front will include identifying both novel and established targets and candidates that complement our radiopharmaceutical and rare disease programs.

- **Utilize the expertise and prior experience of our team in the areas of asset acquisition, drug development and commercialization to establish ourselves as a leading biopharmaceutical company.** Our senior executive team has relevant experience in biopharmaceutical in-licensing and acquisitions, as well as in developing product candidates through approval and commercialization. In aggregate, our team has co-founded BioMarin Pharmaceutical (Nasdaq: BMRN), Sensant Corp. (acquired by Siemens), American BioOptics (assets acquired by Olympus), Raptor Pharmaceuticals (\$800 million sale to Horizon Therapeutics; Horizon was subsequently acquired by Amgen), and Wilson Therapeutics (acquired by Alexion in June 2018 for \$764 million; Alexion was subsequently acquired by AstraZeneca). In October 2024, we in-licensed ALXN1840 (tiomolybdate choline) from Alexion, AstraZeneca Rare Disease, and are pursuing regulatory approval and if successful, commercialization of this late-stage drug candidate for Wilson disease.

Revenues

We are a small-cap biopharmaceutical company. We have no approved drugs and have not generated any revenues. To date, we have engaged in acquiring or in-licensing drug product candidates, and in entering into collaboration agreements for the preclinical testing and clinical development of our drug product candidates along with providing the infrastructure to support the clinical development of our drug product candidates. We do not anticipate revenues from operations until we complete testing and development of one of our drug product candidates and obtain marketing approval, or until we sell, enter into a collaborative marketing arrangement, or out-license one of our drug product candidates to another party. See “Liquidity and Capital Resources.”

Recently Issued and Adopted Accounting Pronouncements

During the year ended December 31, 2025, there were two issued accounting pronouncements, one under consideration for adoption and another that we have adopted, that are described in more detail in Note 2 of our consolidated financial statements included elsewhere in this Annual Report on Form 10-K.

Critical Accounting Policies and Use of Estimates

While our significant accounting policies are described in more detail in Note 2 of our consolidated financial statements included elsewhere in this Annual Report on Form 10-K, we believe the following accounting policies to be critical to the judgments and estimates used in the preparation of our consolidated financial statements.

Clinical Trials Accruals

We accrue and expense the costs for clinical trial activities performed by third parties based upon estimates of the percentage of work completed over the life of the individual study in accordance with agreements established with contract research organizations, service providers, and clinical trial sites. We estimate the amounts to accrue based upon discussions with internal clinical personnel and external service providers as to the progress or stage of completion of trials or services and the agreed upon fee to be paid for such services. Costs of setting up clinical trial sites for participation in the trials are expensed immediately as R&D expenses. Clinical trial site costs related to patient screening and enrollment are accrued as patients are screened/entered into the trial.

Stock-Based Compensation

We account for stock-based compensation arrangements with employees, non-employee directors and consultants using a fair value method, which requires the recognition of compensation expense for costs related to all stock-based compensation grants, including stock option and restricted stock unit (“RSU”) grants. The fair value method requires us to estimate the fair value of stock-based payment awards on the date of grant using an option pricing model or, in the case of RSUs, the closing stock price on the date of grant.

Stock-based compensation costs for stock awards granted to our employees, non-employee directors and consultants are based on the fair value of the underlying instruments calculated using the Black-Scholes option-pricing model on the date of grant for stock options and using the closing stock price on the date of grant for RSUs and recognized as an expense on a straight-line basis. Determining the appropriate fair value model and related assumptions requires judgment, including selecting methods for estimating our future stock price volatility and expected holding term. During the year ended December 31, 2025, we granted 2,000 options to purchase shares of our common stock to a consultant, 67,386 options to purchase shares of our common stock to non-employee directors, 187,061 options to purchase shares of our common stock to officers, and 46,626 options to purchase shares of our common stock to non-officer employees. The expected stock price volatility is based on an analysis of the Company’s stock price history over a period commensurate with the expected term of the options, trading volume of the Company’s stock, look-back volatilities and Company specific events that affected volatility in a prior period. Forfeitures only include actual forfeitures to date as the Company accounts for forfeitures as they occur due to a limited history of forfeitures. The expected term for options granted to date is estimated using the simplified method. We have not paid dividends and do not anticipate paying a cash dividend in future vesting periods and, accordingly, use an expected dividend yield of zero. The risk-free interest rate is based on the rate of U.S. Treasury securities with maturities consistent with the estimated expected term of the awards.

Pre-funded Warrants

The Company accounts for warrants as either equity-classified or liability-classified instruments based on an assessment of the warrants’ specific terms and applicable authoritative guidance set forth in Accounting Standards Codification (“ASC 480”), Distinguishing Liabilities from Equity (“ASC 480”) and ASC 815, Derivatives and Hedging (“ASC 815”). The assessment considers whether the warrants are freestanding financial instruments pursuant to ASC 480, whether the warrants meet the definition of a liability pursuant to ASC 480, or whether the warrants meet all of the requirements for equity classification under ASC 815.

Warrants that meet all of the criteria for equity classification are required to be recorded as a component of additional paid-in capital at the time of issuance, or when the conditions for equity classification are met, and are not remeasured. The Company will assess whether the warrants are indexed to the Company’s own common shares and whether the warrant holders could potentially require “net cash settlement” in a circumstance outside of the Company’s control, among other conditions for equity classification. Liability classified warrants are required to be accounted for at fair value both on the date of issuance and on subsequent accounting period ending dates, with all changes in fair value after the issuance date recorded in

the consolidated statements of operations and comprehensive loss. In accordance with GAAP, and through the application of professional judgment, the Company concludes on the appropriate classification of warrants as either a liability or an equity. The pre-funded warrants issued in 2024 and in 2025 met the equity classification criteria and are recorded in additional-paid-in-capital as permanent equity.

Results of Operations

Comparison of the Years Ended December 31, 2025, and December 31, 2024

The following table summarizes the results of our operations for the years ended December 31, 2025 and 2024:

| (in thousands) | Year Ended December 31, | | Variance |
|-------------------------------------|-------------------------|--------------------|-----------------|
| | 2025 | 2024 | |
| Research and development expenses | \$ 9,904 | \$ 13,006 | \$ (3,102) |
| General and administrative expenses | 6,800 | 3,156 | 3,644 |
| Total operating expenses | 16,704 | 16,162 | 543 |
| Operating loss | (16,704) | (16,162) | (543) |
| Other Income | — | 171 | (171) |
| Interest income | 2,988 | 404 | 2,584 |
| Net loss | \$ (13,717) | \$ (15,586) | \$ 1,870 |

Research and Development (“R&D”) Expenses

R&D expenses for the year ended December 31, 2025 were \$9,904,225, compared to \$13,005,986 for the year ended December 31, 2024. This represents a decrease of \$3,101,761 primarily attributed to (1) an \$8,562,259 decrease due to the absence of one-time expenses incurred in connection with the in-licensing of ALXN1840 in 2024, as well as lower radiopharmaceutical clinical trial costs reflecting a shift in focus following the in-licensing, partially offset by (2) a \$3,287,751 increase in R&D personnel expenses, including stock-based compensation resulting from increased headcount to support ongoing programs, higher base compensation, and bonuses, (3) a \$1,995,706 increase in clinical materials and manufacturing activities largely attributable to the continued advancement of the ALXN1840 program, and (4) a \$177,041 increase in other R&D expenses.

General and Administrative (“G&A”) Expenses

G&A expenses for the year ended December 31, 2025, were \$6,800,190, compared to \$3,155,735 for the year ended December 31, 2024. This represents an increase of \$3,644,455 primarily attributed to (1) a \$1,526,494 increase in Board compensation resulting from the grant of stock options in 2025 (no stock options were granted to the Board in 2024), (2) a \$1,402,770 increase in G&A personnel expenses, including stock-based compensation resulting from higher base compensation, and bonuses, (3) a \$323,485 increase in patent legal expenses, and (4) a \$391,706 increase in other G&A expenses.

Other Income

Other income for the year ended December 31, 2025, decreased by \$171,282 versus the year ended December 31, 2024, due to the release of an accrued liability in 2024.

Interest Income

Interest income for the year ended December 31, 2025, increased by \$2,583,501 versus the year ended December 31, 2024. The increase is attributed to interest earned on U.S. Treasury securities and commercial paper, and higher bank balances in 2025, due to the net proceeds of approximately \$91.9 million from the September 2025 capital raise.

Liquidity and Capital Resources

Sources of Liquidity

We have incurred losses and cumulative negative cash flows from operations since we commenced operations, resulting in an accumulated deficit of approximately \$89.5 million as of December 31, 2025. We anticipate that we will continue to incur losses for the foreseeable future. We expect that our R&D and Selling, General and Administrative (“SG&A”) expenses will increase to enable the execution of our strategic plan, including our ALXN1840 pre-commercialization activities and, if approved, commercialization activities. We anticipate that the currently available funds as of March 17, 2026, will fund our planned operations at least through December 31, 2027. We will seek to obtain needed capital through a variety of methods, including but not limited to the sale of our common stock, debt financing, strategic partnerships or other sources of capital at our disposal.

We invest our cash equivalents in money market accounts, U.S. Treasury securities and commercial paper.

Cash Flows

The following table provides information regarding our cash flows for the years ended December 31, 2025 and 2024.

| (in thousands) | Year Ended December 31, | | Variance |
|---|-------------------------|------------------|--------------------|
| | 2025 | 2024 | |
| Net cash used in operating activities | \$ (12,201) | \$ (6,404) | \$ (5,797) |
| Net cash used in investing activities | (63,453) | (14,338) | (49,115) |
| Net cash provided by financing activities | 91,574 | 59,292 | 32,282 |
| Effect of exchange rate and valuation changes on cash equivalents | 97 | — | 97 |
| Net increase in cash and cash equivalents | <u>\$ 16,017</u> | <u>\$ 38,550</u> | <u>\$ (22,533)</u> |

During the years ended December 31, 2025 and 2024, we had a net cash inflow of \$16,017,263 and \$38,550,209, respectively, representing a decrease of \$22,532,946. The net change in cash and cash equivalents as of December 31, 2025, compared to the year ended December 31, 2024 primarily consisted of (1) an increase in cash flow provided by financing activities of \$32,282,145, which is primarily due to the net proceeds of approximately \$91.9 million from the September 2025 capital raise, partially offset by (2) an increase in net cash used in investing activities of \$49,114,711 due to purchases of investments offset by investment maturities and (3) an increase in net cash used in operating activities of \$5,797,152.

Cash Flow Used in Operating Activities

The increase of \$5,797,152 in cash flow used in operating activities during the year ended December 31, 2025, compared to the year ended December 31, 2024, was primarily related to the payment of \$3 million in 2025 related to the in-licensing of ALXN1840.

Cash Flow Used in Investing Activities

The increase to cash flow used in investing activities during the year ended December 31, 2025, compared to cash used in investing activities during the year ended December 31, 2024, of \$49,114,711 was primarily related to the purchase of investments in U.S. Treasury securities and commercial paper during 2025 resulting from an increase in cash available for investment from net proceeds from the September 2025 capital raise.

Cash Flow Provided by Financing Activities

The increase in cash flow provided by financing activities during the year ended December 31, 2025, compared to the year ended December 31, 2024, of \$32,282,145 was primarily due to higher net proceeds resulting from the September 2025 capital raise.

Future Funding Requirements

To date, we have not generated any revenue from product sales. We do not know when, or if, we will generate any revenue from product sales. We do not expect to generate any revenue from product sales or royalties unless and until we obtain regulatory approval of and commercialize any of our current or future drug product candidates or we out-license or sell a drug product candidate to another party. At the same time, we expect our expenses to increase in connection with our ALXN1840 pre-commercialization activities, and if approved, commercialization activities, as well as ongoing development activities, particularly as we continue the research, development, future preclinical studies and clinical trials of, and seek regulatory approval for, our current and future drug product candidates. If we obtain regulatory approval of any of our current or future drug product candidates, we will need substantial additional funding for pre-commercial and commercialization requirements and our continuing drug product development operations.

As a company, we have not completed development through marketing approvals of any therapeutic products. We expect to continue to incur significant increases in expenses and increasing operating losses for the foreseeable future. We anticipate that our expenses will increase substantially as we:

- develop and prepare for commercialization of our ALXN1840 investigational drug candidate as a treatment for Wilson disease;
- progress our MNPR-101-Zr imaging and dosimetry clinical trial in advanced cancer patients;
- progress our MNPR-101-Lu therapeutic clinical trial in advanced cancer patients;
- continue the preclinical activities and potentially advance MNPR-101-Ac into the clinic as a therapeutic in advanced cancer patients;
- support intellectual property initiatives for our Wilson disease and radiopharmaceutical programs;
- identify and potentially invent or license novel targets and drug candidates complementing our radiopharmaceutical and rare disease programs, and pursue the future preclinical and clinical development and regulatory requirements of such drug product candidates;

- seek regulatory approvals for any of our current and future drug product candidates that successfully complete registration clinical trials;
- establish or purchase the services of a sales, marketing and distribution infrastructure to commercialize any products for which we obtain marketing approval;
- develop or contract for manufacturing/quality capabilities or establish a reliable, high quality supply chain sufficient to support our clinical requirements and to provide sufficient capacity to launch and supply the market for any product for which we obtain marketing approval; and
- add or contract for required operational, financial and management information systems and capabilities and other specialized expert personnel to support our drug product candidate development, pre-commercial and planned commercialization efforts.

We anticipate that the funds available as of March 17, 2026, will fund our obligations at least through December 31, 2027. We have based this estimate on assumptions that may prove to be wrong, and we could use our available capital resources sooner than we currently expect. Because of the numerous risks and uncertainties associated with the development and commercialization of our drug product candidates, and the extent to which we enter into collaborations with third parties to participate in the development and commercialization of our drug product candidates, we are unable to accurately estimate with high reliability the amounts and timing required for increased capital outlays and operating expenditures associated with our current and anticipated drug product candidate development programs.

Our future capital requirements will depend on many factors, including:

- the development program for ALXN1840 in Wilson disease and, if it is approved, commercialization efforts;
- the clinical development progress of MNPR-101-Zr in imaging advanced cancers;
- the clinical development progress of MNPR-101-Lu as a therapeutic agent in advanced cancers;
- the progress of preclinical and clinical development of MNPR-101-Ac;
- the progress of preclinical activities towards identifying novel targets and candidates to complement our radiopharmaceutical and rare disease programs;
- the number and characteristics of other drug product candidates that we may invent, license, acquire, or otherwise pursue;
- the costs, timing and outcomes of seeking, obtaining, and maintaining FDA, TGA and other international regulatory approvals;
- the scope, progress, timing, cost and results of research, preclinical development and clinical trials and regulatory requirements for future drug product candidates;

- the costs associated with establishing or contracting for manufacturing/quality requirements and establishing or contracting for sales, marketing and distribution capabilities;
- our ability and related costs to maintain, expand and defend the scope of our intellectual property portfolio, including the amount and timing of any payments we may be required to make in connection with the licensing, filing, defense and enforcement of any patents or other intellectual property rights;
- our need and ability to hire or contract additional management, administrative, scientific, regulatory, medical, sales and marketing, manufacturing/quality and other specialized personnel or external expertise;
- the effect and timing of entry of competing products and/or new therapies that may limit market penetration or prevent the introduction of our drug product candidates or reduce the commercial potential of our product portfolio;
- our need to implement additional required internal management, operational, record keeping and other systems and infrastructure; and
- the economic and other terms, timing and success of our existing collaboration and licensing arrangements and any collaboration, licensing or other arrangements into which we may enter in the future, including the timing of receipt of or payment to or from others of any license, milestone or royalty payments under these arrangements.

We intend to continue evaluating drug product candidates for the purpose of growing our pipeline. Identifying and securing high-quality compounds usually requires time and incurs related expenses. Our spending could be significantly accelerated in the future if additional drug product candidates are acquired and enter clinical development. In this event, we may be required to expand our management team, and pay higher contract manufacturing costs, contract research organization fees, other clinical development costs and insurance costs that are not currently projected. Beyond our current funds, substantial additional long-term funding is needed to further develop our radiopharmaceutical and rare disease programs.

Until we can generate a sufficient amount of product revenue to finance our cash requirements, we expect to finance our future cash needs primarily through a combination of equity offerings, debt financings, strategic collaborations and grant funding. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the ownership interest of our current stockholders will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect our current stockholders' rights. Debt financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making capital expenditures or declaring dividends. If we raise additional funds through marketing and distribution arrangements or other collaborations, strategic alliances or licensing arrangements with other parties, we likely will have to share or relinquish valuable rights to our technologies, future revenue streams, research programs or drug product candidates or grant licenses on terms that may not be favorable to us, which will reduce our future returns and affect our future operating flexibility. If we are unable to raise additional funds through equity or debt financings when needed, we may be required to delay, limit, reduce or terminate our pipeline product development or commercialization efforts or grant rights to others to develop and market drug product candidates that we would otherwise prefer to develop and market ourselves.

Contractual Obligations and Commitments

License, Development and Collaboration Agreements

Alexion, AstraZeneca Rare Disease

On October 23, 2024, the Company executed a License Agreement with Alexion, pursuant to which Alexion granted us an exclusive worldwide license for the development and commercialization of ALXN1840, a drug candidate for Wilson disease. As initial upfront consideration for the License Agreement, we issued Alexion 387,329 shares (representing 9.9% of our outstanding shares at the time) of our common stock and agreed to make an upfront cash payment of \$4.0 million. The foregoing cash payment consisted of \$1.0 million paid at the time of signing and the remaining \$3.0 million paid in January 2025, pursuant to the terms of the agreement. We agreed to an anti-dilution provision that entitled Alexion to receive additional shares at no cost to maintain their 9.9% ownership until we raised the next \$25.0 million of our common stock, subject to a maximum of 705,015 shares unless we obtained stockholder approval. Pursuant to the anti-dilution right, we issued an additional 157,188 shares of common stock to Alexion. No further obligations exist pursuant to the anti-dilution right.

Additionally, we are obligated to milestone payments of up to \$94.0 million for the achievement of regulatory approval and sales related milestones. In addition, the Company is obligated to pay tiered royalties based on net sales at rates falling within a range of 10% to 20%. As of December 31, 2025, no milestone or royalty payments have been made under the License Agreement. We have also given Alexion the right of first negotiation regarding any rights should we intend to sublicense ALXN1840. Furthermore, we will have to pay Alexion a percentage in the range of 35% to 45% of any sublicensing income received by us. As part of this License Agreement, we have assumed an agreement from Alexion, under which we will also owe a third-party single digit millions in cash milestone payment upon regulatory approval in Europe and a single digit percentage royalty on net sales in Europe.

Either party may terminate the agreement in the event of an uncured material breach of the agreement following written notice, and we may terminate the agreement for convenience upon 90 days prior written notice to Alexion.

NorthStar Medical Radioisotopes, LLC ("NorthStar")

In June 2024, we entered into a long-term, non-exclusive master supply agreement with NorthStar under which NorthStar will provide us with the therapeutic radioisotope actinium-225 ("Ac-225"). The original collaboration agreement was amended at that time to clarify certain economic terms and terms related to jointly-developed intellectual property rights for our MNPR-101 for radiopharmaceutical use. We have acquired these rights from NorthStar, together with certain broad, jointly-developed intellectual property pertaining to MNPR-101, giving us full ownership and title to our lead MNPR-101 radiopharmaceutical platform. We will jointly share ownership of the filed patent application on the use of PCTA as a linker with Ac-225, which has shown that MNPR-101 has superior binding and yield with Ac-225 over the current industry-leading linker, DOTA.

XOMA Ltd.

To humanize our MNPR-101 antibody, we have taken a non-exclusive license to XOMA (US) LLC's humanization technology and know-how. Humanization involves replacing most of the non-critical parts of the mouse sequence of an antibody with the human sequence to minimize the ability of the human immune system to recognize this antibody as foreign. As such, MNPR-101 has been engineered to be 95% human sequence using the XOMA technology. Under the terms of the non-exclusive license with XOMA Ltd., we are to make payments to XOMA Ltd. upon the achievement of certain clinical, regulatory and sales milestones, potentially totaling up to \$14.925 million. The agreement does not require the payment of sales royalties. As of March 17, 2026, we had not reached any milestones and had not been required to pay XOMA Ltd. any funds under this license agreement. The first milestone payment is payable upon first dosing of a human patient in a Phase 2 clinical trial. We are currently conducting Phase 1 clinical trials and cannot reliably predict when we will be able to commence a Phase 2 clinical trial, if at all.

Service Providers

In the normal course of business, we contract with service providers to assist in the performance of R&D, including drug product manufacturing, process development, clinical and preclinical development, and G&A including financial strategy, audit, tax and legal support. We can elect to discontinue the work under these agreements at any time. We could also enter into collaborative research and development, contract research, manufacturing and supplier agreements in the future, which may require upfront payments and/or long-term commitments of cash.

Office Lease

We entered into a 36-month lease that commenced on April 1, 2025, for our executive headquarters at 1000 Skokie Blvd in the Village of Wilmette, Illinois, at a monthly rate of \$3,580. On November 1, 2025, we entered into an additional 36-month lease at the same location at a monthly rate of \$5,002, which replaced a previous month-to-month arrangement for that space. Additionally, on January 16, 2025, we entered into a one-year lease for a small wet laboratory space and certain equipment at the Helix 51 Bioscience Incubator at The Rosalind Franklin University of Medicine and Science in North Chicago, Illinois, at a rate of \$1,000 per month, which was cancellable after six months with 30 days' advance written notice. Since the expiration of the initial one-year term, we have continued to occupy this space on a month-to-month basis.

Legal Contingencies

We are currently not, and to date have never been, a party to any adverse material legal proceedings.

Indemnification

In the normal course of business, we enter into contracts and agreements that contain a variety of representations and warranties and provide for general indemnification. Our exposure under these agreements is unknown because it involves claims that may be made against us in the future, but that have not yet been made. To date, we have not paid any claims or been required to defend any action related to our indemnification obligations. However, we may record charges in the future as a result of these indemnification obligations.

In accordance with our Second Amended and Restated Certificate of Incorporation, Amended and Restated Bylaws and the indemnification agreements entered into with each officer and non-employee director, we have indemnification obligations to our officers and non-employee directors for certain events or occurrences, subject to certain limits, while they are serving at our request in such capacity. There have been no claims to date. See "Item 1A. Risk Factors – We have limited the liability of and indemnified our directors and officers."

Item 8. Financial Statements and Supplementary Data

The information required to be filed in this item appears on pages F-1 to F-23 of this Annual Report on Form 10-K.

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Our Chief Executive Officer and Chief Financial Officer have provided certifications filed as Exhibits 31.1 and 31.2, respectively, and 32.1. Such certifications should be read in conjunction with the information contained in this Item 9A for a more complete understanding of the matters covered by those certifications.

(a) Management's Annual Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as defined in Rule 13a15(f) of the Securities Exchange Act of 1934 (the "Exchange Act"). Our internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of the financial reporting and the preparation of financial statements for external purposes in accordance with U.S. generally accepted accounting principles ("GAAP"). This process includes those policies and procedures (i) that pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of our assets, (ii) that receipts and expenditures are being made only in accordance with authorizations of our management and non-employee directors, (iii) that provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of our assets that could have a material effect on our financial statements, and (iv) that provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with GAAP. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of the internal control over financial reporting to future periods are subject to risk that the internal control may become inadequate because of changes in conditions, or that the degree of compliance with policies or procedures may deteriorate.

Our management has assessed the effectiveness of our internal control over financial reporting as of December 31, 2025. Management based this assessment on the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission in Internal Control – Integrated Framework (2013). Management's assessment included an evaluation of the design of our internal control over financial reporting and testing of the operational effectiveness of our internal control over financial reporting. Based on management's assessment, management has concluded that, as of December 31, 2025, our internal control over financial reporting was effective.

(b) Disclosure Controls and Procedures

We carried out an evaluation, under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of our disclosure controls and procedures as of December 31, 2025, pursuant to Rules 13a-15(e) and 15d-15(e) under the Exchange Act. Based on that evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that our disclosure controls and procedures, as of such date, were effective.

(c) Changes in Internal Control over Financial Reporting

We have concluded that the consolidated financial statements and other financial information included in this Annual Report on Form 10-K fairly present in all material respects our financial condition, results of operations and comprehensive loss and cash flows as of, and for, the periods presented.

There have been no changes in our internal control over financial reporting during the quarter ended December 31, 2025 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Item 9B. Other Information

During the quarter ended December 31, 2025, no director or officer of the Company adopted or terminated a “Rule 10b5-1 trading arrangement” or “non-Rule 10b5-1 trading arrangement,” as each term is defined in Item 408(a) of Regulation S-K.

Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections

Not applicable.

Item 10. Directors, Executive Officers and Corporate Governance

The information required by this Item regarding our directors, executive officers, corporate governance and insider trading policy is incorporated into this section by reference to the sections captioned “Election of Directors,” “Executive Officers” and “Insider Trading Policy” in the proxy statement for our 2026 annual meeting of stockholders, which will be filed with the SEC pursuant to Regulation 14A not later than 120 days after December 31, 2025.

Item 11. Executive and Director Compensation

The information required by this Item regarding executive compensation is incorporated into this section by reference to the section captioned “Executive Compensation” in the proxy statement for our 2026 annual meeting of stockholders, which will be filed with the SEC pursuant to Regulation 14A not later than 120 days after December 31, 2025.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The information required by this Item regarding security ownership of our beneficial owners, management and related stockholder matters is incorporated into this section by reference to the section captioned “Security Ownership of Certain Beneficial Owners and Management” in the proxy statement for our 2026 annual meeting of stockholders, which will be filed with the SEC pursuant to Regulation 14A not later than 120 days after December 31, 2025.

The information required by this Item regarding the securities authorized for issuance under our equity compensation plans is incorporated into this section by reference to the section captioned “Equity Compensation Plan Information” in the proxy statement for our 2026 annual meeting of stockholders, which will be filed with the SEC pursuant to Regulation 14A not later than 120 days after December 31, 2025.

Item 13. Certain Relationships and Related Transactions and Director Independence

The information required by this Item regarding certain relationships, related transactions and director independence is incorporated into this section by reference to the sections captioned “Transactions with Related Persons, Promoters and Certain Control Persons,” “Review, Approval and Ratification of Transactions with Related Parties” and “Director Independence” in the proxy statement for our 2026 annual meeting of stockholders, which will be filed with the SEC pursuant to Regulation 14A not later than 120 days after December 31, 2025.

Item 14. Principal Accounting Fees and Services

The information required by this Item regarding our principal accountant fees and services is incorporated into this section by reference to the section captioned “Independent Registered Public Accounting Firm” in the proxy statement for our 2026 annual meeting of stockholders, which will be filed with the SEC pursuant to Regulation 14A not later than 120 days after December 31, 2025.

PART IV

Item 15. Exhibits, Financial Statement Schedule

1. Financial Statements

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2. Financial Statements Schedules

Other financial statements schedules are not included because they are not required, or the information is otherwise shown in the Consolidated Financial Statements or notes thereto.

(b) Exhibits

The following exhibits are filed as part of this Annual Report on Form 10-K.

| Exhibit | Document | Incorporated by Reference From: |
|----------------|---|--|
| 3.1 | Second Amended and Restated Certificate of Incorporation | Form 10-K filed on March 26, 2018 |
| 3.2 | Certificate of Amendment to the Second Amended and Restated Certificate of Incorporation | Form 8-K filed on August 9, 2024 |
| 3.3 | Amended and Restated Bylaws | Form 10-Q filed on May 12, 2022 |
| 4.1 | Description of Registered Securities | Filed herewith as Exhibit 4.1 |
| 4.2 | Form of Pre-funded Warrant | Form 8-K filed on December 23, 2024 |
| 10.1* | License Agreement with XOMA Ltd. | Form 10-K filed on March 26, 2018 |
| 10.2 | Form of Incentive Stock Option Agreement | Form 10-K filed on March 24, 2022 |
| 10.3 | Form of Non-qualified Stock Option Agreement | Form 10-K filed on March 24, 2022 |
| 10.4 | Form of Restricted Stock Unit Grant Notice | Form 10-K filed on March 24, 2022 |
| 10.5 | Employment Agreement of Chandler D. Robinson – effective November 1, 2017 | Form 10-K filed on March 26, 2018 |
| 10.6 | Consulting Agreement of pRx Consulting (Patrice Rioux) – effective January 1, 2026 | Filed herewith as Exhibit 10.6 |
| 10.7 | Consulting Agreement of Christopher M. Starr – effective January 1, 2022 | Form 10-K filed on March 24, 2022 |
| 10.8* | License Agreement with Alexion Pharmaceuticals, Inc. | Form 8-K filed on October 24, 2024 |
| 10.9 | Common Stock Investment Agreement with Alexion Pharmaceuticals, Inc. | Form 8-K filed on October 24, 2024 |
| 10.10 | Securities Purchase Agreement | Form 8-K filed on October 30, 2024 |
| 10.11 | Securities Purchase Agreement | Form 8-K filed on December 23, 2024 |
| 10.12 | Registration Rights Agreement | Form 8-K filed on December 23, 2024 |
| 10.13 | Employment Agreement of Quan Vu – effective March 3, 2025 | Form 10-K filed on March 31, 2025 |
| 10.14 | 2016 Stock Incentive Plan, as amended | Form 10-K filed on March 31, 2025 |
| 10.15 | Share Purchase Agreement with Tactic Pharma, LLC | Form 8-K filed on September 24, 2025 |
| 10.16 | Employment Agreement with Susan Rodriguez – effective March 2, 2026 | Filed herewith as Exhibit 10.16 |
| 19.1 | Insider Trading Policy | Filed herewith as Exhibit 19.1 |
| 21.1 | Subsidiaries of Monopar Therapeutics Inc. as of December 31, 2025 | Filed herewith as Exhibit 21.1 |
| 23.1 | Consent of BPM LLP, Independent Registered Public Accounting Firm | Filed herewith as Exhibit 23.1 |
| 24.1 | Power of Attorney (included in the signature page hereto) | |
| 31.1 | Certification of Chandler D. Robinson, Chief Executive Officer | Filed herewith as Exhibit 31.1 |
| 31.2 | Certification of Quan Vu, Chief Financial Officer | Filed herewith as Exhibit 31.2 |
| 32.1 | Certification of Chandler D. Robinson, Chief Executive Officer and Quan Vu, Chief Financial Officer | Filed herewith as Exhibit 32.1 |
| 97.1 | Compensation Recoupment Policy | Form 10-K filed on March 28, 2024 |
| 101.INS | Inline XBRL Taxonomy Extension Schema | |
| 101.SCH | Inline XBRL Taxonomy Extension Schema | |
| 101.CAL | Inline XBRL Taxonomy Extension Calculation Linkbase | |
| 101.DEF | Inline XBRL Taxonomy Extension Definition Linkbase | |
| 101.LAB | Inline XBRL Taxonomy Extension Label Linkbase | |
| 101.PRE | Inline XBRL Taxonomy Extension Presentation Linkbase | |
| 104 | Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101) | |

Confidential Information has been omitted and filed separately with the SEC on exhibits marked with (*).

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

MONOPAR THERAPEUTICS INC

Dated: March 27, 2026

By: /s/ Quan Vu
Name: Quan Vu
Title: Chief Financial Officer
(Principal Financial Officer)

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Chandler D. Robinson and Quan Vu, his or her attorney-in-fact, with the power of substitution, for him or her in any and all capacities, to sign any amendments to this Annual Report on Form 10K and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, hereby ratifying and confirming all that each of said attorneys-in-fact, or his substitute or substitutes, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated:

| <u>Signatures</u> | <u>Title</u> | <u>Date</u> |
|---|--|----------------|
| <u>/s/ Chandler D. Robinson</u> Chandler D. Robinson | Chief Executive Officer and Director (Principal Executive Officer) | March 27, 2026 |
| <u>/s/ Quan Vu</u> Quan Vu | Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer) | March 27, 2026 |
| <u>/s/ Christopher M. Starr</u> Christopher M. Starr | Executive Chairman of the Board and Director | March 27, 2026 |
| <u>/s/ Raymond W. Anderson</u> Raymond W. Anderson | Director | March 27, 2026 |
| <u>/s/ Arthur J. Klausner</u> Arthur J. Klausner | Director | March 27, 2026 |
| <u>/s/ Kim R. Tsuchimoto</u> Kim R. Tsuchimoto | Director | March 27, 2026 |
| <u>/s/ Lavina Talukdar</u> Lavina Talukdar | Director | March 27, 2026 |

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and Board of Directors of Monopar Therapeutics Inc.

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Monopar Therapeutics Inc. and its subsidiaries (the “Company”) as of December 31, 2025 and 2024, and the related consolidated statements of related consolidated statements of operations and comprehensive loss, stockholders’ equity, and cash flows for each of the two years in the period ended December 31, 2025, and the related notes (collectively referred to as the “consolidated financial statements”). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of Monopar Therapeutics Inc. as of December 31, 2025 and 2024, and the results of its operations and its cash flows for each of the two years in the period ended December 31, 2025, in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinion

These consolidated financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (“PCAOB”) and are required to be independent with respect to Monopar Therapeutics Inc. in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. Monopar Therapeutics Inc. is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company’s internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matters

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the consolidated financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of the critical audit matters does not alter in any way our opinion on the consolidated financial statements taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the account or disclosure to which it relates.

Classification of Pre-Funded Warrants

As described in Notes 2 and 4 to the consolidated financial statements, the Company issued pre-funded warrants in September 2025 and evaluated their classification as either equity or liability instruments. The classification of warrants requires an assessment of whether the instruments are indexed to the Company’s own stock and whether the terms could require net cash settlement under circumstances outside the Company’s control, in accordance with ASC 815-40, Contracts in Entity’s Own Equity. Warrants that meet the criteria for equity classification are recorded in additional paid-in capital and are not subsequently remeasured, whereas liability-classified warrants are recorded at fair value with subsequent changes recognized in earnings.

The Company concluded that the September 2025 pre-funded warrants meet the criteria for equity classification and recorded them within additional paid-in capital.

We identified the evaluation of the accounting and classification of the September 2025 pre-funded warrants as a critical audit matter. This matter involved especially challenging and complex auditor judgment due to the need to interpret the contractual terms of the warrants and apply the detailed guidance in ASC 815-40. Specifically, significant judgment was required to assess whether certain provisions could result in net cash settlement and whether the warrants are considered indexed to the Company’s own stock. These determinations required a high degree of subjectivity in evaluating the legal form and substance of the agreements and their interaction with the applicable accounting guidance.

Addressing this matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included, among others, obtaining and reading the pre-funded warrant agreements; evaluating the key contractual provisions, including settlement and adjustment features; assessing management’s analysis and conclusions under ASC 815-40; involving professionals with specialized knowledge to assist in evaluating the application of the accounting guidance; and evaluating the appropriateness of the classification of the warrants as equity instruments in the consolidated financial statements.

/s/ BPM LLP

We have served as Monopar Therapeutics Inc.’s auditor since 2015.

Santa Rosa, California
March 27, 2025

Monopar Therapeutics Inc.

Consolidated Balance Sheets

| | <u>December 31, 2025</u> | <u>December 31, 2024</u> |
|---|------------------------------|------------------------------|
| Assets | | |
| Current assets: | | |
| Cash and cash equivalents | \$ 61,833,552 | \$ 45,816,289 |
| Investments | 78,565,491 | 14,395,913 |
| Other current assets | 63,745 | 78,869 |
| Total current assets | <u>140,462,788</u> | <u>60,291,071</u> |
| Operating lease right-of-use asset | 254,921 | — |
| Total assets | <u>\$ 140,717,709</u> | <u>\$ 60,291,071</u> |
| Liabilities and Stockholders' Equity | | |
| Current liabilities: | | |
| Accounts payable, accrued expenses and other current liabilities | \$ 2,735,236 | \$ 2,254,300 |
| In-process research and development (R&D) accrued expenses | — | 3,000,000 |
| Total current liabilities | <u>2,735,236</u> | <u>5,254,300</u> |
| Non-current operating lease liability | 154,920 | — |
| Total liabilities | <u>2,890,156</u> | <u>5,254,300</u> |
| Commitments and contingencies (Note 9) | | |
| Stockholders' equity: | | |
| Common stock, par value of \$0.001 per share, 40,000,000 shares authorized, 6,692,140 and 6,102,560 shares issued and outstanding at December 31, 2025, and December 31, 2024, respectively** | 6,692 | 6,103 |
| Additional paid-in capital | 227,199,002 | 130,787,312 |
| Accumulated other comprehensive income | 131,389 | 35,992 |
| Accumulated deficit | (89,509,530) | (75,792,636) |
| Total stockholders' equity | <u>137,827,553</u> | <u>55,036,771</u> |
| Total liabilities and stockholders' equity | <u>\$ 140,717,709</u> | <u>\$ 60,291,071</u> |

**Information pertaining to number of shares outstanding and per share data gives retroactive effect to a 1 for 5 reverse stock split that became effective on August 12, 2024.

The accompanying notes are an integral part of these consolidated financial statements.

Monopar Therapeutics Inc.

Consolidated Statements of Operations and Comprehensive Loss

| | For the Years Ended December 31, | |
|---|---|---------------------|
| | 2025 | 2024 |
| Operating expenses: | | |
| Research and development | \$ 9,904,225 | \$ 13,005,986 |
| General and administrative | 6,800,190 | 3,155,735 |
| Total operating expenses | 16,704,415 | 16,161,721 |
| Loss from operations | (16,704,415) | (16,161,721) |
| Other income | — | 171,282 |
| Interest income | 2,987,521 | 404,020 |
| Net loss | (13,716,894) | (15,586,419) |
| Other comprehensive income (loss): | | |
| Foreign currency translation (loss) gain, net | (4,189) | 1,630 |
| Unrealized gain on investments, net | 99,586 | 48,494 |
| Comprehensive loss | \$ (13,621,497) | \$ (15,536,295) |
| Net loss per share: | | |
| Basic and diluted | \$ (1.85) | \$ (4.11) |
| Weighted average shares outstanding: | | |
| Basic and diluted** | 7,411,121 | 3,790,202 |

**Information pertaining to number of shares outstanding and per share data gives retroactive effect to a 1 for 5 reverse stock split that became effective on August 12, 2024.

The accompanying notes are an integral part of these consolidated financial statements.

Monopar Therapeutics Inc.
Consolidated Statements of Stockholders' Equity
Years Ended December 31, 2025 and 2024

| | Common Stock** | | Additional Paid- in Capital | Accumulated Other Comprehensive Income (Loss) | Accumulated Deficit | Total Stockholders' Equity |
|---|----------------|----------|-----------------------------------|--|------------------------|----------------------------------|
| | Shares | Amount | | | | |
| Balance at January 1, 2024 | 2,980,900 | \$ 2,981 | \$ 65,805,134 | \$ (14,132) | \$ (60,206,217) | \$ 5,587,766 |
| Issuance of common stock under a Capital on Demand™ Sales Agreement with Jones Trading Institutional Services LLC, net of commissions, fees and expenses of \$107,806 | 557,761 | 558 | 4,201,687 | — | — | 4,202,245 |
| Issuance of common stock to employees pursuant to vested restricted stock units, net of taxes | 22,319 | 22 | (104,242) | — | — | (104,220) |
| Exercise of stock options | 16,800 | 17 | 67 | — | — | 84 |
| Stock-based compensation | — | — | 1,140,785 | — | — | 1,140,785 |
| Impact of reverse stock split fractional share round up | 68 | — | — | — | — | — |
| Issuance of common stock to Alexion Pharmaceuticals, Inc, a wholly owned subsidiary of AstraZeneca PLC | 544,517 | 544 | 4,551,714 | — | — | 4,552,258 |
| Issuance of common stock upon public offering, net of commissions, fees and expenses of \$1,489,702 | 1,181,540 | 1,182 | 17,814,842 | — | — | 17,816,024 |
| Issuance of common stock and concurrent private placement of pre-funded warrants upon registered offering, net of commissions, fees and expenses of \$2,621,880 | 798,655 | 799 | 37,377,325 | — | — | 37,378,124 |
| Net loss | — | — | — | — | (15,586,419) | (15,586,419) |
| Other comprehensive gain, net | — | — | — | 50,124 | — | 50,124 |
| Balance at December 31, 2024 | 6,102,560 | 6,103 | 130,787,312 | 35,992 | (75,792,636) | 55,036,771 |
| Issuance of common stock upon public offering, net of commissions, fees and expenses of \$7,857,468 | 1,034,433 | 1,034 | 127,140,495 | — | — | 127,141,529 |
| Repurchase of common stock | (550,229) | (550) | (34,999,407) | — | — | (34,999,957) |
| Issuance of common stock to employees pursuant to vested restricted stock units, net of taxes | 37,794 | 38 | (1,132,378) | — | — | (1,132,341) |
| Stock-based compensation | — | — | 4,837,877 | — | — | 4,837,877 |
| Issuance of common stock upon exercise of stock options | 67,582 | 68 | 565,102 | — | — | 565,171 |
| Net loss | — | — | — | — | (13,716,894) | (13,716,894) |
| Other comprehensive gain, net | — | — | — | 95,397 | — | 95,397 |
| Balance at December 31, 2025 | 6,692,140 | \$ 6,692 | \$ 227,199,002 | \$ 131,389 | \$ (89,509,530) | \$ 137,827,553 |

**Information pertaining to number of shares outstanding and per share data gives retroactive effect to a 1 for 5 reverse stock split that became effective on August 12, 2024.

The accompanying notes are an integral part of these consolidated financial statements.

Monopar Therapeutics Inc.

Consolidated Statements of Cash Flows

| | For the Years Ended December 31, | |
|---|---|-----------------|
| | 2025 | 2024 |
| Cash flows from operating activities: | | |
| Net loss | \$ (13,716,894) | \$ (15,586,419) |
| Adjustments to reconcile net loss to net cash used in operating activities: | | |
| Stock-based compensation expense | 4,837,877 | 1,140,785 |
| Issuance of common stock to Alexion Pharmaceuticals, Inc | — | 4,552,258 |
| Net amortization of investment discounts and premiums | (716,464) | (9,016) |
| Changes in operating assets and liabilities, net | | |
| Other current assets | 15,404 | (12,776) |
| Accounts payable, accrued expenses and other current liabilities | 388,218 | 506,791 |
| In-process R&D accrued expenses | (3,000,000) | 3,000,000 |
| Operating lease right-of-use assets and liabilities, net | (9,432) | 4,238 |
| Net cash used in operating activities | (12,201,291) | (6,404,139) |
| Cash flows from investing activities: | | |
| Purchase of short-term investments | (87,153,114) | (15,324,133) |
| Maturities of short-term investments | 23,700,000 | 985,730 |
| Net cash used in investing activities | (63,453,114) | (14,338,403) |
| Cash flows from financing activities: | | |
| Cash proceeds from the sales of common stock under a Capital on Demand™ Sales Agreement, net of commissions, fees and expenses | — | 4,202,245 |
| Taxes paid related to net share settlement of vested restricted stock units | (1,132,341) | (104,220) |
| Cash proceeds from the issuance of common stock upon exercise of stock options | 565,171 | 84 |
| Net proceeds from issuance of common stock and concurrent issuance of pre-funded warrants upon public offering, net of offering costs | 127,141,529 | 55,194,148 |
| Repurchase of common stock | (34,999,957) | — |
| Net cash provided by financing activities | 91,574,402 | 59,292,257 |
| Effect of exchange rate and valuation changes on cash equivalents | 97,266 | 494 |
| Net increase in cash and cash equivalents | 16,017,263 | 38,550,209 |
| Cash and cash equivalents at beginning of period | 45,816,289 | 7,266,080 |
| Cash and cash equivalents at end of period | \$ 61,833,552 | \$ 45,816,289 |
| Supplemental non-cash flow information: | | |
| Lease liability arising out of obtaining right-of-use asset | \$ 291,429 | \$ — |
| Accrued financing fees | \$ — | \$ 144,588 |

The accompanying notes are an integral part of these consolidated financial statements.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Note 1 – Nature of Business and Liquidity

Nature of Business

Monopar Therapeutics Inc. (“Monopar” or the “Company”) is a clinical-stage biopharmaceutical company developing an innovative treatment for Wilson disease and novel radiopharmaceuticals for oncology. Monopar’s Wilson disease product candidate is ALXN1840, a late-stage, investigational once-daily, oral medicine. The Company’s radiopharmaceutical programs consist of Phase 1-stage MNPR-101-Zr for imaging advanced cancers, and Phase 1a-stage MNPR-101-Lu and late preclinical-stage MNPR-101-Ac for the treatment of advanced cancers that express urokinase plasminogen activator receptor (“uPAR”).

The Company builds its drug development pipeline through both in-house efforts and licensing of late preclinical- and clinical-stage therapeutics, leveraging its scientific and clinical expertise to reduce risk and accelerate development.

Liquidity

The Company has incurred an accumulated deficit of approximately \$89.5 million as of December 31, 2025, and since inception has not generated any revenue. To date, the Company has primarily funded its operations with net proceeds from the Company’s initial and subsequent public offerings of its common stock on Nasdaq, sales of its common stock in the public market through at-the-market sales agreements, private placements of convertible preferred stock and of common stock, private placements of pre-funded warrants, and cash provided in an asset purchase transaction. Management estimates that currently available cash will provide sufficient funds to enable the Company to meet its obligations at least through December 31, 2027. The Company’s ability to fund its future operations, including the development of ALXN1840, and the continued clinical development of its radiopharmaceutical programs, is dependent upon the Company’s ability to execute its business strategy, to obtain additional funding and/or to execute collaborative research agreements. There can be no certainty that future financing or collaborative research agreements will occur in the amounts required or at a time needed to maintain operations, if at all.

Going Concern Assessment

The Company applies Accounting Standards Codification (“ASC”) 205-40 (“ASC 205-40”), *Disclosure of Uncertainties about an Entity’s Ability to Continue as a Going Concern*, which the Financial Accounting Standards Board (“FASB”) issued to provide guidance on determining when and how reporting companies must disclose going concern uncertainties in their financial statements. ASC 205-40 requires management to perform interim and annual assessments of an entity’s ability to continue as a going concern within one year of the date of issuance of the entity’s financial statements (or within one year after the date on which the financial statements are available to be issued, when applicable). Further, a company must provide certain disclosures if there is “substantial doubt about the entity’s ability to continue as a going concern.” In March 2026, the Company analyzed its cash requirements through December 31, 2027, and has determined that, based upon the Company’s current available cash and cash equivalents, the Company has no substantial doubt about its ability to continue as a going concern.

Risks Related to the Company’s Financial Condition and Capital Requirements

Many, if not most, biopharmaceutical companies never become profitable and are acquired, merged, or liquidated before successfully developing any product that generates revenue from commercial sales to enable profitability. The Company has incurred losses since inception and expects to continue to incur substantial operating losses over the next several years. These losses stem from the clinical development of the Company’s current and future licensed and/or purchased product candidates and will continue for the foreseeable future. As a result, the Company anticipates that it will seek additional capital to fund its future operations. The Company’s ability to raise sufficient funds in order to support continued clinical, regulatory, pre-commercial and commercial development and to make contractual future milestone payments, as well as to further raise additional funds in the future to support any existing or future product candidate programs through completion of clinical trials, approval processes and, if applicable, commercialization is uncertain.

The amount of future losses, and when, if ever, the Company would become profitable, are uncertain. The Company’s ability to generate revenue and achieve profitability will depend on, among other things, successfully completing the development of its product candidates; obtaining necessary regulatory approvals from the FDA and international regulatory agencies; establishing manufacturing/quality, sales, and marketing and distribution arrangements with third parties; obtaining adequate reimbursement by third-party payers; and raising sufficient funds to finance its activities. If the Company is unsuccessful at some or all of these undertakings, its business, financial condition, and results of operations are expected to be materially and adversely affected.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Note 2 – Significant Accounting Policies

Basis of Presentation

These consolidated financial statements include the financial results of Monopar Therapeutics Inc., its wholly-owned French subsidiary, Monopar Therapeutics, SARL, and its wholly-owned Australian subsidiary, Monopar Therapeutics Australia Pty Ltd, and have been prepared in accordance with U.S. Generally Accepted Accounting Principles (“GAAP”) and include all disclosures required by GAAP for financial reporting. Amounts in tables in the consolidated financial statements and accompanying footnotes may not sum up due to rounding. All intercompany accounts have been eliminated. The principal accounting policies applied in the preparation of these consolidated financial statements are set out below and have been consistently applied in all periods presented. The Company has been primarily involved in performing research activities, developing product candidates, and raising capital to support and expand these activities.

The accompanying consolidated financial statements contain all normal, recurring adjustments necessary to present fairly the Company’s consolidated financial position as of December 31, 2025 and 2024, the Company’s consolidated results of operations and comprehensive loss and the Company’s consolidated cash flows for the years ended December 31, 2025 and 2024.

Functional Currency

The Company’s consolidated functional currency is the U.S. Dollar. The Company’s Australian subsidiary and French subsidiary use the Australian Dollar and European Euro, respectively, as their functional currency. At each quarter-end, each foreign subsidiary’s balance sheets are translated into U.S. Dollars based upon the quarter-end exchange rate, while their statements of operations and comprehensive loss and statements of cash flows are translated into U.S. Dollars based upon an average exchange rate during the period.

Comprehensive Loss

Comprehensive loss represents net loss plus any income or losses not reported in the consolidated statements of operations and comprehensive loss, such as foreign currency translation gains and losses and unrealized gains and losses on debt security investments that are reflected on the Company’s consolidated statements of stockholders’ equity.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities, and reported amounts of expenses in the consolidated financial statements and accompanying notes. Actual results could differ from those estimates.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Cash Equivalents

The Company considers all highly liquid investments purchased with a maturity of three months or less on the date of purchase to be cash equivalents. Cash equivalents as of December 31, 2025, consisted of money market accounts, U.S. Treasury securities, and commercial paper. Cash equivalents as of December 31, 2024, consisted of money market accounts and U.S. Treasury securities.

Investments

The Company considers all of its investments in debt securities (U.S. government or agencies thereof, and commercial paper), to either be available-for-sale or held-to-maturity securities. Available-for-sale investments are recorded at fair value, with the unrealized gains and losses reflected in accumulated other comprehensive income (loss) on the Company's consolidated balance sheets. Held-to-maturity investments are securities that management has the intent and ability to hold to maturity and are reported at amortized cost. Realized gains and losses from the sale of investments, if any, are recorded net in the consolidated statements of operations and comprehensive loss. The investments selected by the Company have a low level of inherent credit risk given they are issued by the U.S. government or consist of high-quality commercial paper. Changes in their value are primarily attributable to changes in interest rates and market liquidity, as well as, in the case of discounted short-term instruments, the amortization of any purchase discount over the remaining term to maturity. Investments as of December 31, 2025, consisted of U.S. Treasury securities and commercial paper with maturities of over three months to one year and were recorded as held-to-maturity investments.

Prepaid Expenses

Prepayments are expenditures for goods or services before such goods are used or such services are received and are charged to operations as the benefits are realized. Prepaid expenses may include payments to development collaborators in excess of actual expenses incurred by the collaborators, measured at the end of each reporting period. Prepayments also include insurance premiums, dues and subscriptions and software costs of \$10,000 or more per year that are expensed monthly over the life of the respective contracts, which are typically one year. Prepaid expenses are reflected on the Company's consolidated balance sheets as other current assets.

Leases

Lease agreements are evaluated to determine whether each arrangement is or contains a lease in accordance with ASC 842, *Leases* ("ASC 842"). Right-of-use ("ROU") lease assets and lease liabilities are recognized based on the present value of the future minimum lease payments over the lease term at the commencement date. The ROU lease asset on the Company's consolidated balance sheets includes any lease payments made and excludes lease incentives. The incremental borrowing rate, taking into consideration the Company's credit quality and borrowing rate for similar assets, is used in determining the present value of future payments. Lease expense is recorded as general and administrative ("G&A") expenses on the Company's consolidated statements of operations and comprehensive loss.

Concentration of Credit Risk

Financial instruments that potentially subject the Company to concentration of credit risk consist of cash and cash equivalents. The Company maintains cash and cash equivalents at three reputable financial institutions. As of December 31, 2025, the balances at two financial institutions were in excess of the \$250,000 Federal Deposit Insurance Corporation ("FDIC") insurable limit. The Company has not experienced any losses on its deposits since inception, and management believes the Company is not exposed to significant risks with respect to these financial institutions.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Fair Value of Financial Instruments

For financial instruments consisting of cash and cash equivalents, investments, accounts payable, accrued expenses, and other current liabilities, the carrying amounts are reasonable estimates of fair value due to their relatively short maturities.

The Company adopted ASC 820, *Fair Value Measurements and Disclosures*, as amended, which addresses the measurement of the fair value of financial assets and financial liabilities. Under this standard, fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (i.e., the “exit price”) in an orderly transaction between market participants at the measurement date.

The standard establishes a hierarchy for inputs used in measuring fair value that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. Observable inputs reflect assumptions that market participants would use in pricing an asset or a liability based on market data obtained from independent sources. Unobservable inputs reflect a reporting entity’s pricing of an asset or a liability developed based on the best information available under the circumstances. The fair value hierarchy consists of the following three levels:

Level 1 – instrument valuations are obtained from real-time quotes for transactions in active exchange markets involving identical assets.

Level 2 – instrument valuations are obtained from readily available pricing sources for comparable instruments.

Level 3 – instrument valuations are obtained without observable market values and require a high level of judgment to determine the fair value.

Determining which category an asset or a liability falls within the hierarchy requires significant judgment. The Company evaluates its hierarchy disclosures each reporting period. There were no transfers between Level 1, 2 or 3 of the fair value hierarchy during the years ended December 31, 2025 and 2024. The following table presents the assets and liabilities recorded that are reported at fair value on the Company’s consolidated balance sheets on a recurring basis. No values were recorded Level 3 as of December 31, 2025 and 2024. The Company has no liabilities reported at fair value on a recurring basis.

Assets and Liabilities Measured at Fair Value on a Recurring Basis

| As of December 31, 2025 | Level 1 | Total |
|---------------------------------|----------------------|----------------------|
| Assets: | | |
| Cash equivalents ⁽¹⁾ | \$ 60,875,969 | \$ 60,875,969 |
| Total | \$ 60,875,969 | \$ 60,875,969 |

| As of December 31, 2024 | Level 1 | Total |
|---------------------------------|----------------------|----------------------|
| Assets: | | |
| Cash equivalents ⁽¹⁾ | \$ 45,531,646 | \$ 45,531,646 |
| Total | \$ 45,531,646 | \$ 45,531,646 |

(1) Cash equivalents as of December 31, 2024 represent the fair value of the Company’s investments in money market accounts and U.S. Treasury securities. As of December 31, 2025, cash equivalents represent the fair value of the Company’s investments in money market accounts, U.S. Treasury securities and commercial paper. All cash equivalents have maturities at the date of purchase of three months or less. These securities are classified as Level 1 within the fair value hierarchy as fair value is determined based on unadjusted quoted prices in active markets due to the short-term nature of these instruments.

As of December 31, 2025, the Company’s investments consist of held-to-maturity U.S. Treasury securities and commercial paper, with maturities ranging from over three months to one year. These investments are classified as Level 2 and are valued utilizing observable inputs, aside from the quoted market prices. See Note 3 for additional information on investments.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Net Loss per Share

Net loss per share for the years ended December 31, 2025 and 2024, is calculated by dividing net loss by the weighted-average shares of common stock outstanding during the periods. Diluted net loss per share for the years ended December 31, 2025 and 2024, is calculated by dividing net loss by the weighted-average shares of the sum of a) weighted-average common stock outstanding (7,411,121 and 3,790,202 shares for the years ended December 31, 2025 and 2024, respectively) and b) potentially dilutive shares of common stock (such as stock options and warrants) outstanding during the periods. As of December 31, 2025 and 2024, potentially dilutive securities included stock-based awards to purchase up to 792,189 and 469,654 shares of the Company's common stock, respectively. For the years ended December 31, 2025 and 2024, potentially dilutive securities are excluded from the computation of fully diluted net loss per share as their effect is anti-dilutive. Pre-funded warrants outstanding during the years ended December 31, 2025 and 2024, are exercisable at a nominal price and are considered, in substance, equivalent to outstanding common stock. Accordingly, such pre-funded warrants have been included in the calculation of weighted-average shares of common stock outstanding for purposes of basic and diluted net loss per share.

Research and Development Expenses

Research and development ("R&D") costs are expensed as incurred. Major components of R&D expenses include salaries and benefits paid to the Company's R&D staff, compensation expenses of G&A personnel performing R&D, fees paid to consultants and to the entities that conduct certain R&D activities on the Company's behalf, and materials and supplies which were used in R&D activities during the reporting period.

In-process Research and Development

In-process research and development ("IPR&D") expense represents the costs to acquire technologies to be used in R&D that have not reached technological feasibility, have no alternative future uses and thus are expensed as incurred. IPR&D expense also includes upfront license fees and milestones paid to collaborators, with no alternative use, which are expensed as goods are received or when services are rendered. The upfront payments upon execution of the agreement to license ALXN1840, comprising \$4 million in cash and \$4.6 million in Monopar's common stock issued to Alexion, were recorded as IPR&D expense during the year ended December 31, 2024. The foregoing cash payment consisted of \$1 million paid to Alexion upon execution of the agreement during the year ended December 31, 2024, and the remaining \$3 million paid to Alexion in January 2025, pursuant to the terms of the agreement. IPR&D expense is included in the Company's consolidated statements of operations and comprehensive loss in R&D expenses.

Clinical Trials Accruals

The Company accrues and expenses the costs for clinical trial activities performed by third parties based upon estimates of the percentage of work completed over the life of each individual study in accordance with agreements established with contract research organizations, service providers, and clinical trial sites. The Company estimates the amounts to accrue based upon discussions with internal clinical personnel and external service providers as to progress or stage of completion of the trials or services and the agreed upon fees to be paid for such services. Costs of setting up clinical trial sites for participation in the trials are expensed immediately as R&D expenses. Clinical trial site costs related to patient screening and enrollment are accrued as patients are screened/entered into the trial.

Collaborative Agreements

The Company and its collaborative partners are active participants in collaborative agreements, and all parties would be exposed to significant risks and rewards depending on the technical and commercial success of the activities. Contractual payments to the other parties in collaboration agreements and costs incurred by the Company, when the Company is deemed to be the principal participant for a given transaction, are recognized on a gross basis in R&D expenses. Royalties and license payments are recorded as earned.

During the years ended December 31, 2025 and 2024, no milestones were met, and no royalties were earned; therefore, the Company did not pay or accrue/expense any license or royalty payments.

Licensing Agreements

The Company has various agreements licensing technology utilized in the development of its product and technology programs. The licenses contain success milestone obligations and royalties on future sales. During the years ended December 31, 2025 and 2024, no milestones were met, and no royalties were earned; therefore, the Company did not pay or accrue/expense any license or royalty payments under any of its license agreements other than the upfront fees recorded as IPR&D expense during the year ended December 31, 2024, as discussed above.

See Note 9 for additional discussion regarding the Company's Licensing Agreements.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Patent Costs

The Company expenses costs related to issued patents and patent applications, including costs related to legal, renewal and application fees, as a component of G&A expenses in its consolidated statements of operations and comprehensive loss.

Income Taxes

The Company uses an asset and liability approach for accounting for deferred income taxes, which requires recognition of deferred income tax assets and liabilities for the expected future tax consequences of events that have been recognized in its financial statements but have not been reflected in its taxable income. Estimates and judgments are required in the calculation of certain tax liabilities and in the determination of the recoverability of certain deferred income tax assets, which arise from temporary differences and carryforwards. Deferred income tax assets and liabilities are measured using the currently enacted tax rates that apply to taxable income in effect for the years in which those tax assets and liabilities are expected to be realized or settled.

The Company regularly assesses the likelihood that its deferred income tax assets will be realized from recoverable income taxes or recovered from future taxable income. To the extent that the Company believes any amounts are not “more likely than not” to be realized, the Company records a valuation allowance to reduce the deferred income tax assets. In the event the Company determines that all or part of the net deferred tax assets are not realizable in the future, an adjustment to the valuation allowance would be charged to earnings in the period such determination is made. Similarly, if the Company subsequently determines that deferred income tax assets, previously determined to be unrealizable, are now realizable, the respective valuation allowance would be reversed, resulting in an adjustment to earnings in the period such determination is made.

Internal Revenue Code Sections 382 and 383 (“Sections 382 and 383”) limit the use of net operating loss (“NOL”) carryforwards and R&D credits, after an ownership change. To date, the Company has not conducted a Section 382 or 383 study; however, because the Company will continue to raise significant amounts of equity in the coming years, the Company expects that Sections 382 and 383 will limit the Company’s usage of NOLs and R&D credits in the future.

ASC 740, *Income Taxes*, requires that the tax benefit of NOLs, temporary differences, and credit carryforwards be recorded as an asset to the extent that management assesses that realization is “more likely than not.” Realization of the future tax benefits is dependent on the Company’s ability to generate sufficient taxable income within the carryforward period. The Company has reviewed the positive and negative evidence related to the realizability of the deferred tax assets and has concluded that the deferred tax assets are not “more likely than not” to be realized. As a result, the Company recorded a full valuation allowance as of December 31, 2025 and 2024. U.S. Federal R&D tax credits from 2016 to 2019 were utilized to reduce payroll taxes in future periods and were recorded as other current assets (anticipated to be received within 12 months) on the Company’s consolidated balance sheets. The Company intends to maintain the valuation allowance until sufficient evidence exists to support its reversal. The Company regularly reviews its tax positions. For a tax benefit to be recognized, the related tax position must be “more likely than not” to be sustained upon examination. Any amount recognized is generally the largest benefit that is “more likely than not” to be realized upon settlement. The Company’s policy is to recognize interest and penalties related to income tax matters as an income tax expense. For the years ended December 31, 2025 and 2024, the Company did not have any interest or penalties associated with unrecognized tax benefits.

On July 4, 2025, new U.S. tax legislation was signed into law formally known as “An Act to provide for reconciliation pursuant to title II of H. Con. Res. 14,” and commonly referred to as the “One Big Beautiful Bill Act” or “OBBBA”, which makes permanent many of the tax provisions enacted in 2017 as part of the Tax Cuts and Jobs Act that were set to expire at the end of 2025. In addition, the OBBBA makes changes to certain U.S. corporate tax provisions, with certain provisions effective in 2025 and others to be implemented in 2026 and subsequent years. The Company determined that such changes did not have a significant impact on the consolidated financial statements for the year ended December 31, 2025. The Company is currently assessing the potential implications of the future provision of the legislation on its operations and on the Company’s consolidated financial statements and will continue to monitor future administrative guidance and regulations that clarify the legislative text of the OBBBA and the bill’s potential effect on the Company’s income taxes.

Stock-Based Compensation

The Company accounts for stock-based compensation arrangements with employees, non-employee directors and consultants using a fair value method, which requires the recognition of compensation expense for costs related to all stock-based awards, including stock option and restricted stock unit (“RSU”) grants. The fair value method requires the Company to estimate the fair value of stock-based payment awards on the date of grant using an option pricing model or the closing stock price on the date of grant in the case of RSUs.

Stock-based compensation costs for stock awards granted to the Company’s employees, non-employee directors and consultants are based on the fair value of the underlying instruments calculated using the Black-Scholes option-pricing model on the date of grant for stock options and using the closing stock price on the date of grant for RSUs and recognized as an expense on a straight-line basis. Determining the appropriate fair value model and related assumptions requires judgment, including selecting methods for estimating the Company’s future stock price volatility and expected holding term. During the year ended December 31, 2025, the Company granted 2,000 options to purchase shares of the Company’s common stock to a consultant, 67,386 options to purchase shares of the Company’s common stock to non-employee directors, 187,061 options to purchase shares of the Company’s common stock to officers, and 46,626 options to purchase shares of the Company’s common stock to non-officer employees. The expected stock price volatility is based on an analysis of the Company’s stock price history over a period commensurate with the expected term of the options, trading volume of the Company’s stock, look-back volatilities and Company specific events that affected volatility in a prior period. Forfeitures only include actual forfeitures to date as the Company accounts for forfeitures as they occur due to a limited history of forfeitures. The expected term for options granted to date is estimated using the simplified method. The Company has not paid dividends and does not anticipate paying a cash dividend in future vesting periods and, accordingly, use an expected dividend yield of zero. The risk-free interest rate is based on the rate of U.S. Treasury securities with maturities consistent with the estimated expected term of the awards.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Pre-funded Warrants

The Company accounts for warrants as either equity-classified or liability-classified instruments based on an assessment of the warrants' specific terms and applicable authoritative guidance set forth in Accounting Standards Codification ("ASC 480"), *Distinguishing Liabilities from Equity* ("ASC 480") and ASC 815, *Derivatives and Hedging* ("ASC 815"). The assessment considers whether the warrants are freestanding financial instruments pursuant to ASC 480, whether the warrants meet the definition of a liability pursuant to ASC 480, or whether the warrants meet all of the requirements for equity classification under ASC 815.

Warrants that meet all of the criteria for equity classification are required to be recorded as a component of additional paid-in capital at the time of issuance, or when the conditions for equity classification are met, and are not remeasured. The Company will assess whether the warrants are indexed to the Company's own common shares and whether the warrant holders could potentially require "net cash settlement" in a circumstance outside of the Company's control, among other conditions for equity classification. Liability classified warrants are required to be accounted for at fair value both on the date of issuance and on subsequent accounting period ending dates, with all changes in fair value after the issuance date recorded in the consolidated statements of operations and comprehensive loss. In accordance with GAAP, and through the application of professional judgment, the Company concludes on the appropriate classification of warrants as either a liability or an equity. The pre-funded warrants issued in 2024 and in 2025 met the equity classification criteria and are recorded in additional-paid-in-capital as permanent equity.

Segment Reporting

The Company operates as a single reportable segment, focusing on the development of clinical and preclinical product candidates, with the Chief Executive Officer acting as the Chief Operating Decision Maker ("CODM"). The Company has yet to generate revenue domestically or internationally and anticipates substantial expenses and operating losses as it advances its product candidates through clinical trials and regulatory processes. The CODM assesses financial performance primarily using net loss, supplemented by internal budget and cash forecast models, to guide resource allocation and performance evaluation. Segment assets are reported as total assets on the Company's consolidated balance sheet, and segment loss is reflected as net loss on the Company's consolidated statements of operations and comprehensive loss, effectively mirroring the Company's overall financial position due to its single-segment structure.

Recent Accounting Pronouncements

In December 2023, the FASB issued Accounting Standards Update ("ASU") 2023-09, *Income Taxes: Improvements to Income Tax Disclosures (Topic 740)*, which establishes incremental disaggregation of income tax disclosures pertaining to the effective tax rate reconciliation and income taxes paid. This new standard is effective for fiscal years beginning after December 15, 2024. The Company adopted this standard during the year ended December 31, 2025. See Note 7 – Income Taxes.

In November 2024, the FASB issued ASU 2024-03, *Income Statement-Reporting Comprehensive Income-Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses*, which is intended to enhance transparency into the nature and function of expenses, primarily through additional disclosures on certain costs and expenses. This new standard is effective for fiscal years beginning with annual disclosures in 2027 and interim periods beginning in 2028. Early adoption is permitted. The standard may be applied prospectively to financial statements issued for periods after the effective date of this ASU or retrospectively. The Company is currently assessing the impact ASU 2024-03 will have on its consolidated financial statements, including its footnote disclosures.

Note 3 – Cash Equivalents and Investments

As of December 31, 2025, the Company had money market accounts and available-for-sale investments with contractual maturities of three months or less categorized as cash equivalents as follows:

| As of December 31, 2025 | Cost Basis | Unrealized Gains | Aggregate Fair Value |
|--------------------------------|----------------------|-------------------------|-----------------------------|
| U.S. Treasury Securities | \$ 12,730,543 | \$ 25,314 | \$ 12,755,857 |
| Commercial Paper | 41,703,814 | 132,003 | 41,835,818 |
| Money Market Accounts | 6,284,294 | — | 6,284,294 |
| Total | \$ 60,718,652 | \$ 157,317 | \$ 60,875,969 |

As of December 31, 2025, there were no available-for-sale securities in an unrealized-loss position.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

As of December 31, 2024, the Company had money market accounts and available-for-sale investments with contractual maturities of three months or less categorized as cash equivalents as follows:

| <u>As of December 31, 2024</u> | <u>Cost Basis</u> | <u>Unrealized Gains</u> | <u>Aggregate Fair Value</u> |
|--------------------------------|----------------------|-------------------------|-----------------------------|
| U.S. Treasury Securities | \$ 40,969,665 | \$ 57,731 | \$ 41,027,396 |
| Money Market Accounts | 4,504,250 | — | 4,504,250 |
| Total | \$ 45,473,915 | \$ 57,731 | \$ 45,531,646 |

As of December 31, 2024, there were no available-for-sale securities in an unrealized-loss position.

As of December 31, 2025 and 2024, the Company had held-to-maturity investments with contractual maturities of over three months to one year. These investments are reported as held-to-maturity because the Company has both the positive intent and ability to hold these investments to maturity; they are stated at amortized cost, adjusted for the amortization of any related premiums or the accretion of any related discounts into interest income.

The held-to-maturity investments are reported in the consolidated balance sheet as of December 31, 2025, and consist of the following:

| <u>As of December 31, 2025</u> | <u>Amortized Cost</u> | <u>Unrealized Gains</u> | <u>Unrealized Losses</u> | <u>Fair Market Value</u> |
|--------------------------------|-----------------------|-------------------------|--------------------------|--------------------------|
| U.S. Treasury Securities | \$ 30,147,733 | \$ 18,931 | \$ — | \$ 30,166,664 |
| Commercial Paper | 48,417,758 | 3,616 | (2,284) | 48,419,090 |
| Total | \$ 78,565,491 | \$ 22,547 | \$ (2,284) | \$ 78,585,754 |

As of December 31, 2025, gross unrealized gains and unrealized losses for held-to-maturity securities were \$22,547 and \$2,284, respectively. The Company has determined that these gross unrealized losses of \$2,284 are primarily attributable to fluctuations in market interest rates rather than credit-related factors. The Company's commercial paper and U.S. Treasury holdings consist of high-credit-quality issuers and government-backed securities, respectively. The Company evaluated its held-to-maturity securities for expected credit losses and determined that any such losses would be immaterial. This assessment is based on the high credit quality of the issuers, the short-term nature of the instruments, and the Company's intent and ability to hold these investments until maturity. Accordingly, no allowance for credit losses was recorded as of December 31, 2025.

The held-to-maturity investments are reported in the consolidated balance sheet as of December 31, 2024, and consist of the following:

| <u>As of December 31, 2024</u> | <u>Amortized Cost</u> | <u>Unrealized Gains</u> | <u>Unrealized Losses</u> | <u>Fair Market Value</u> |
|--------------------------------|-----------------------|-------------------------|--------------------------|--------------------------|
| U.S. Treasury Securities | \$ 14,395,913 | \$ 10,863 | \$ — | \$ 14,406,776 |
| Total | \$ 14,395,913 | \$ 10,863 | \$ — | \$ 14,406,776 |

As of December 31, 2024, there were no held-to-maturity securities in an unrealized-loss position.

See Note 2 for additional discussion regarding the Company's fair value measurements.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Note 4 – Capital Stock

Holders of the common stock are entitled to receive such dividends as may be declared by the Board of Directors out of funds legally available therefor. To date no dividends have been declared. Upon dissolution and liquidation of the Company, holders of the common stock are entitled to a ratable share of the net assets of the Company remaining after payments to creditors of the Company. The holders of shares of common stock are entitled to one vote per share for the election of each director nominated to the Board and one vote per share on all other matters submitted to a vote of stockholders.

The Company's amended and restated certificate of incorporation authorizes the Company to issue 40,000,000 shares of common stock with a par value of \$0.001 per share.

Reverse Stock Split

On August 5, 2024, the Company conducted its Annual Meeting of Stockholders in which the stockholders approved, among other items, a proposal to amend the Company's Second Amended and Restated Certificate of Incorporation to effect a reverse stock split of the outstanding shares, providing the Board of Directors with the authority to effect a reverse split within a specified range of ratios. Subsequently, the Board of Directors approved a reverse stock split of 1 for 5 shares of the Company's common stock in order to regain compliance with Nasdaq's continued listing requirements. The reverse stock split became effective at 5:00 pm on Monday August 12, 2024, and the Company's common stock commenced trading on a split-adjusted basis at the open of trading on Tuesday, August 13, 2024.

Furthermore, at the Annual Meeting of Stockholders, a proposal to amend the 2016 Stock Incentive Plan was approved. As a result, the total number of shares reserved for issuance under the Amended 2016 Plan would increase from 5,100,000 to 7,100,000 (pre-split). As a result of the above-mentioned reverse stock split, the total number of shares reserved for issuance after the Annual Meeting was adjusted to 1,420,000.

The reverse stock split reduced the number of shares of the Company's common stock outstanding on August 12, 2024, from 17,601,827 to 3,520,427. Proportional adjustments were made to the Company's outstanding stock options and restricted stock units. No fractional shares were issued in connection with the reverse stock split. Stockholders who would otherwise have held a fractional share of common stock were rounded up and issued one whole share.

The par value of the Company's common stock and the number of authorized shares of common stock remained unchanged at \$0.001 per share and at 40,000,000 shares, respectively.

The reverse stock split did not modify the rights or preferences of the underlying common stock. The Company's stockholders' equity reflects the par value for all shares of common stock at \$0.001 per share, with a corresponding increase in additional paid-in capital. All per-share amounts and numbers of shares in the accompanying financial statements and related notes have been retroactively adjusted to reflect the reverse stock split for all periods presented.

Sales of Common Stock

The Company priced an underwritten public offering of common stock on September 23, 2025, as described below under "September 2025 Capital Raise" and "Share Repurchase."

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

December 2024 Pre-funded Warrants

On December 23, 2024, the Company closed a Securities Purchase Agreement in which a purchaser in a private placement of pre-funded warrants purchased 882,761 shares of Monopar's common stock at a purchase price of \$23.789 per pre-funded warrant, which represents the per share public offering price of the shares in the registered offering at \$23.79 less the \$0.001 per share exercise price for each pre-funded warrant. At the closing of the transaction Monopar entered into a registration rights agreement with the purchaser, which stipulates that Monopar will register the resale of the shares of common stock issuable upon the exercise of the 882,761 pre-funded warrants.

The pre-funded warrants were classified as a component of stockholders' equity within additional paid-in capital because they: (i) are freestanding financial instruments that are legally detachable and separately exercisable from the equity instruments; (ii) are immediately exercisable; (iii) do not embody an obligation for the Company to repurchase its shares; (iv) permit the holders to receive a fixed number of shares of common stock upon exercise; (v) are indexed to the Company's common stock; and (vi) meet the equity classification criteria. In addition, such pre-funded warrants do not provide any guarantee of value or return. The Company valued the pre-funded warrants at issuance, concluding the purchase price approximated the fair value, and allocated net proceeds from the purchase proportionately to the common stock. The value assigned to the pre-funded warrants was recorded as additional paid-in capital.

The pre-funded warrants are immediately exercisable and may be exercised for a de-minimis exercise price of \$0.001 per share subject to the limitation that a holder of a pre-funded warrant will not have the right to exercise any portion of the pre-funded warrant if the holder, together with its affiliates and attribution parties (as such terms are defined in the pre-funded warrants), would beneficially own in excess of 9.99% of the number of shares of the Company's common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the pre-funded warrants. The pre-funded warrants do not expire.

An additional issuance of pre-funded warrants occurred in September 2025, as described below under "September 2025 Capital Raise."

September 2025 Capital Raise

On September 23, 2025, the Company priced an underwritten public offering (the "Offering") consisting of (i) 1,034,433 shares of its common stock and (ii) pre-funded warrants to purchase 960,542 shares of common stock, pursuant to an underwriting agreement (the "Underwriting Agreement") with Morgan Stanley & Co. LLC, Leerink Partners LLC, and Barclays Capital Inc. (the "Underwriters"). The public offering price was \$67.67 per share and \$67.669 per pre-funded warrant, which represents the per share offering price less a \$0.001 per share exercise price. The aggregate net proceeds from the Offering were approximately \$126.9 million, after deducting underwriting discounts and commissions but before offering expenses and the Share Repurchase (as defined below).

Of the total securities sold in the Offering, the Company sold 1,034,433 shares of common stock to the Underwriters for aggregate gross proceeds of approximately \$70.0 million and net proceeds of approximately \$65.8 million after underwriting discounts and commissions but before offering expenses.

Concurrently with the sale of common stock, the Company sold pre-funded warrants to purchase 960,542 shares of common stock at a purchase price of \$67.669 per pre-funded warrant, representing the public offering price less the \$0.001 per-share exercise price. From the sale of the pre-funded warrants, aggregate gross proceeds were approximately \$65.0 million and net proceeds were approximately \$61.1 million after underwriting discounts and commissions but before offering expenses. For the September 2025 pre-funded warrants, the 9.99% limitation may be changed at the holder's election to a lower or higher percentage not in excess of 19.99% upon 61 days' notice to the Company subject to the terms of such pre-funded warrant. All the other terms, conditions, and classifications are materially identical to the December 2024 warrants above.

Share Repurchase

On September 24, 2025, the Company entered into a share purchase agreement (the "Share Purchase Agreement") with Tactic Pharma LLC ("Tactic Pharma"), an existing significant stockholder that held approximately 13.4% of the Company's common stock prior to the Offering and Repurchase. Pursuant to the Share Purchase Agreement, the Company used \$35 million of the Offering proceeds to repurchase 550,229 shares of its common stock from Tactic Pharma at a purchase price of \$63.6098 per share, which equals the public offering price per share less underwriting discounts and commissions (the "Share Repurchase"). Chandler D. Robinson, Monopar's Chief Executive Officer and a member of the Board of Directors, is a minority owner and non-controlling Managing Member of Tactic Pharma. After giving effect to the Share Repurchase, the Company's net proceeds from the Offering were approximately \$91.9 million, before estimated offering expenses.

Share and Pre-funded Warrant Totals as of December 31, 2025

As of December 31, 2025, the Company had 6,692,140 shares of common stock issued and outstanding and 1,843,303 pre-funded warrants outstanding (including 882,761 issued in December 2024 and 960,542 issued in September 2025).

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Note 5 – Stock Incentive Plan

In April 2016, the Company’s Board of Directors and stockholders representing a majority of the Company’s outstanding stock at that time, approved the Monopar Therapeutics Inc. 2016 Stock Incentive Plan, as amended (the “Plan”), allowing the Company to grant up to an aggregate 140,000 shares of stock-based awards in the form of stock options, restricted stock units, stock appreciation rights and other stock-based awards to employees, non-employee directors and consultants. In October 2017, the Company’s Board of Directors voted to increase the stock award pool to 320,000 shares of common stock, which subsequently was approved by the Company’s stockholders. In April 2020, the Company’s Board of Directors voted to increase the stock award pool to 620,000 (an increase of 300,000 shares of common stock), which was approved by the Company’s stockholders in June 2020. In April 2021, the Company’s Board of Directors voted to approve an amendment to the 2016 Stock Incentive Plan to remove certain individual award limits and other provisions related to I.R.C. Section 162(m) and to update the limit on Incentive Stock Options to no more than 100% of the maximum aggregate number of shares which may be granted under the plan, which was approved by the Company’s stockholders in June 2021. In March 2022, the Company’s Board of Directors voted to increase the stock award pool to 1,020,000 (an increase of 400,000 shares of common stock), which was approved by the Company’s stockholders in June 2022. In July 2024, the Company’s Board of Directors voted to increase the stock award pool to 1,420,000 (an increase of 400,000 shares of common stock), which was approved by the Company’s stockholders on August 5, 2024. In March 2025, the Company registered 400,000 additional shares of common stock under the Plan.

During the year ended December 31, 2025, the Company’s Plan Administrator Committee (with regards to non-officer employees and consultants) and the Company’s Compensation Committee, as ratified by the Board of Directors (in the case of executive officers and non-employee directors), granted to executive officers, non-officer employees and consultants aggregate stock options for the purchase of 303,073 shares of the Company’s common stock, with exercise prices ranging from \$22.00 to \$102.05 per share and with vesting schedules ranging from vesting immediately upon the grant date to 4 years. All stock option grants have a 10-year term.

Under the Plan, the per share exercise price for the shares to be issued upon exercise of an option shall be determined by the Plan Administrator, except that the per share exercise price shall be no less than 100% of the fair market value per share on the grant date. Fair market value is the Company’s closing price on Nasdaq. Stock options generally expire after 10 years.

Stock option activity under the Plan was as follows:

| | Options Outstanding | |
|--|--|---|
| | Number of Shares Subject to Options | Weighted- Average Exercise Price |
| Balance at January 1, 2024 | 421,820 | \$ 20.06 |
| Granted | 43,523 | 3.42 |
| Forfeited | (19,628) | 15.88 |
| Exercised | (16,800) | 0.005 |
| Balance at December 31, 2024 | 428,915 | 19.35 |
| Granted ⁽¹⁾ | 303,073 | 40.55 |
| Forfeited ⁽²⁾⁽³⁾ | (47,851) | 21.99 |
| Exercised | (67,582) | 8.36 |
| Balance at December 31, 2025 | 616,555 | 30.77 |
| Unvested options outstanding expected to vest ⁽³⁾ | 205,226 | 41.57 |

(1) 303,073 options vest as follows: options to purchase 8,270 shares of the Company’s common stock vest immediately upon the grant date; options to purchase 2,000 shares of the Company’s common stock vest monthly over one year; options to purchase 65,763 shares of the Company’s common stock vest quarterly over one year; options to purchase 227,040 shares of the Company’s common stock vest 6/48ths on the six-month anniversary of the vesting commencement date and 1/48th per month thereafter.

(2) Forfeited options represent unvested shares and vested, unexercised and expired shares related to employee terminations.

(3) Forfeitures only include known forfeitures to date as the Company accounts for forfeitures as they occur.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

A summary of options outstanding as of December 31, 2025, is shown below:

| Exercise Prices | Number of Shares Subject to Options Outstanding | Weighted-Average Remaining Contractual Term in Years | Number of Shares Subject to Options Fully Vested and Exercisable | Weighted-Average Remaining Contractual Term in Years |
|---------------------|---|--|--|--|
| \$0.00 - \$25.00 | 207,701 | 6.03 | 181,385 | 5.81 |
| \$25.01 - \$50.00 | 331,453 | 7.26 | 207,239 | 6.10 |
| \$50.01 - \$75.00 | 23,199 | 4.42 | 21,482 | 3.98 |
| \$75.01 - \$100.00 | 50,202 | 9.78 | 1,225 | 4.08 |
| \$100.01 - \$125.00 | 4,000 | 9.79 | — | — |
| | 616,555 | 6.96 | 411,331 | 5.86 |

Restricted stock unit activity under the Plan was as follows:

| | Restricted Stock Units | Weighted-Average Grant Date Fair Value per Unit |
|--|------------------------|---|
| Unvested balance at December 31, 2023 | 83,617 | \$ 17.01 |
| Granted | 5,997 | 3.26 |
| Vested | (33,992) | 18.81 |
| Forfeited | (14,883) | 15.84 |
| Unvested balance at December 31, 2024 | 40,739 | 13.92 |
| Granted ⁽¹⁾ | 195,400 | 48.52 |
| Vested | (59,847) | 24.41 |
| Forfeited | (658) | 3.26 |
| Unvested Balance at December 31, 2025 | 175,634 | 48.88 |

(1) In aggregate, there were 195,400 restricted stock units granted during the year ended December 31, 2025, of which 6,002 restricted stock units vested immediately upon the grant date and 189,398 restricted stock units vest 6/48ths on the six-month anniversary of the vesting commencement date and 3/48ths per quarter thereafter.

Stock option grants and fair values under the Plan were as follows:

| | Years Ended December 31, | |
|--|--------------------------|------------|
| | 2025 | 2024 |
| Stock options granted | 303,073 | 43,523 |
| Weighted-average grant date fair value per share | \$ 27.49 | \$ 2.72 |
| Fair value of shares vested | \$ 3,293,665 | \$ 662,401 |

As of December 31, 2025 and 2024, the aggregate intrinsic value of outstanding vested and unvested stock options was approximately \$22.1 million and \$3.4 million, respectively. The weighted-average exercise price in aggregate was \$30.77, which includes \$25.38 for fully vested stock options and \$41.57 for stock options expected to vest. At December 31, 2025, unamortized balance of stock-based compensation was \$16.4 million, to be amortized over the following 3.16 years.

During the years ended December 31, 2025 and 2024, the Company recognized \$2,650,221 and \$413,496 of employee, non-employee director and consultant stock-based compensation expense as general and administrative expenses, respectively, and \$2,187,656 and \$727,289 as research and development expenses, respectively. The stock-based compensation expense is allocated on a departmental basis, based on the classification of the stock-based award holder. No income tax benefits have been recognized in the consolidated statements of operations and comprehensive loss for stock-based compensation arrangements.

Note 6 – Related Party Transactions

As of December 31, 2025, Tactic Pharma, LLC (“Tactic Pharma”), the Company’s initial investor, beneficially owned 4.1% of Monopar’s common stock, and during the year ended December 31, 2025, there was one transaction between Tactic Pharma and Monopar, related to the Share Repurchase Agreement on September 24, 2025 (see Note 4). The Company considers the following individual as a related party: Chandler D. Robinson is a Company Co-Founder, Chief Executive Officer, common stockholder, non-controlling Managing Member of Tactic Pharma, former Manager of the predecessor LLC, Manager of CDR Pharma, LLC and Board member of Monopar as a C Corporation as of December 31, 2025.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

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None of the related parties discussed in this paragraph received compensation other than market-based salary, market-based stock-based compensation and benefits and performance-based incentive bonus.

Note 7 – Income Taxes

The components of net loss before income taxes are as follows:

| | Years Ended December 31, | |
|--------------|-------------------------------------|------------------------|
| | 2025 | 2024 |
| U.S. | \$ (13,641,497) | \$ (15,490,482) |
| Foreign | (74,598) | (95,137) |
| Total | \$ (13,716,095) | \$ (15,585,619) |

ASC 740, *Income Taxes*, requires that the tax benefit of net operating losses, temporary differences, and credit carryforwards be recorded as an asset to the extent that management assesses that realization is “more likely than not.” Realization of the future tax benefits is dependent on the Company’s ability to generate sufficient taxable income within the carryforward period. The Company has reviewed the positive and negative evidence related to the realizability of the deferred tax assets and has concluded that the deferred tax assets are not “more likely than not” to be realized. The valuation allowance increased by \$4,372,000 and \$4,606,000 during the years ended December 31, 2025 and 2024, respectively.

The provision for income taxes for December 31, 2025 and 2024, consists of the following:

| | Years Ended December 31, | |
|-------------------------|---------------------------------|---------------|
| | 2025 | 2024 |
| Current: | | |
| Federal | \$ — | \$ — |
| State | 800 | 800 |
| Foreign | — | — |
| Total current: | 800 | 800 |
| Deferred: | | |
| Federal | — | — |
| State | — | — |
| Foreign | — | — |
| Total deferred: | — | — |
| Total provision* | \$ 800 | \$ 800 |

*Total provision for income taxes of \$800 for each of the years ended December 31, 2025 and 2024, is recorded in general and administrative expenses on the Company’s consolidated statements of operations and comprehensive loss as it is not considered a material amount.

Pursuant to the disclosure requirements of ASU 2023-09, the differences between the Company’s effective income tax rate and the U.S. federal statutory income tax rate for the year ended December 31, 2025, are as follows:

| | Year Ended December 31, | |
|--|--------------------------------|----------------|
| | 2025 | |
| US federal statutory tax rate | \$ (2,880,380) | 21.00% |
| State & local income taxes, net of federal effect ⁽¹⁾ | 632 | 0.00% |
| Foreign tax effects | 15,666 | (0.11)% |
| Tax credits | (1,001,283) | 7.30% |
| Changes in valuation allowance | 3,399,495 | (24.78)% |
| Nontaxable or nondeductible items | | |
| Stock-based compensation | (698,082) | 5.09% |
| Non-deductible compensation | 962,663 | (7.02)% |
| Other | 1,833 | (0.01)% |
| Changes in unrecognized tax benefits | 200,257 | (1.46)% |
| Effective tax rate | \$ 800 | (0.01)% |

(1) During the year ended December 31, 2025, Illinois made up the majority (greater than 50 percent) of the tax effect in this category.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

As previously disclosed for the years ended December 31, 2024 and 2023, prior to the adoption of ASU 2023-09, the effective income tax rate differed from the statutory federal income tax rate as follows:

| | Years Ended December 31, | |
|--|---------------------------------|----------------|
| | 2024 | 2023 |
| Federal income tax | 21.00% | 21.00% |
| State income taxes, less federal benefit | 7.21% | 6.03% |
| Tax credits | 1.96% | 3.12% |
| Permanent differences | (0.66)% | (2.81)% |
| Change in valuation allowances | (29.54)% | (25.33)% |
| Other | 0.02% | (2.02)% |
| Effective tax rate expense | (0.01)% | (0.01)% |

Deferred tax assets and liabilities consist of the following:

| | Years Ended December 31, | |
|--------------------------------------|---------------------------------|--------------|
| | 2025 | 2024 |
| Deferred tax assets: | | |
| Net operating loss carryforwards | \$ 6,467,397 | \$ 4,476,675 |
| Tax credits carryforwards | 2,472,522 | 1,626,525 |
| Stock-based compensation | 1,567,813 | 895,349 |
| Intangible asset basis differences | 8,771,647 | 7,402,504 |
| Accrued liabilities & allowances | 164,126 | 324,561 |
| Capitalized research and development | 2,799,979 | 3,146,021 |
| Gross deferred tax assets | 22,243,484 | 17,871,635 |
| Valuation allowance | (22,243,484) | (17,871,635) |
| Net deferred tax assets | \$ — | \$ — |

Cash paid for income taxes, net of refunds received, by jurisdiction pursuant to the disclosure requirements of ASU 2023-09 for the year ended December 31, 2025 is not material.

As of December 31, 2025, the Company had total federal net operating loss carryforwards of approximately \$22,575,000, which will begin to expire in 2035. Losses generated after 2017 will be carried forward indefinitely. As of December 31, 2025, the Company had state net operating loss carryforwards of approximately \$22,605,000 which will begin to expire in 2035.

As of December 31, 2025, the Company had federal and state tax credits of \$2,937,000 and \$194,000, respectively. The federal credits begin to expire in 2035 and the state credits begin to expire in 2026.

The Tax Reform Act of 1986 limits the use of net operating carryforwards and R&D credits in certain situations where changes occur in the stock ownership of a company. In the event the Company has had a change in ownership, utilization of the carryforwards and R&D credits could be limited. The Company has not performed a net operating loss or R&D credit utilization study to date.

The Company accounts for uncertain tax positions in accordance with ASC 740-10, "Accounting for Uncertainty in Income Taxes." ASC 740-10 prescribes a comprehensive model for the recognition, measurement, presentation and disclosure in financial statements of any uncertain tax positions that have been taken or are expected to be taken on a tax return. It is the Company's policy to include penalties and interest expense related to income taxes as an income tax expense.

MONOPAR THERAPEUTICS INC.

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A reconciliation of the beginning and ending amount of unrecognized tax benefits for the years ended December 31, 2025 and 2024, is as follows:

| | 2025 | 2024 |
|--------------------------------------|-------------------|-------------------|
| Beginning uncertain tax benefits | \$ 411,740 | \$ 335,822 |
| Current year - increases | 222,457 | 65,389 |
| Prior year - increases (decreases) | (7,969) | 10,529 |
| Ending uncertain tax benefits | \$ 626,228 | \$ 411,740 |

Included in the balance of uncertain tax benefits as of December 31, 2025, are \$626,228 of tax benefits that, if recognized, would not impact the effective tax rate as it would be offset by the reversal of related deferred tax assets which are subject to a full valuation allowance. The Company anticipates that no material amounts of unrecognized tax benefits will be settled within 12 months of the reporting date. As of December 31, 2025, the Company had no accrued interest or penalties recorded related to uncertain tax positions.

The Company files and/or plans to file U.S. federal, California, Texas, and Illinois state tax returns. The Company is subject to California state minimum franchise taxes. All tax returns will remain open for examination by the federal and state taxing authorities for three and four years, respectively, from the date of utilization of any net operating loss carryforwards or R&D credits. In addition, due to the operations in certain foreign countries, the Company became subject to local tax laws of such countries. Nonetheless, as of December 31, 2025, due to the insignificant expenditures in such countries, there was no material tax effect to the Company's 2025 consolidated financial statements.

On July 4, 2025, the One, Big, Beautiful Bill Act ("OBBA") was enacted. OBBA added Section 174A to the Internal Revenue Code, which generally permits taxpayers to deduct domestic research or experimental expenditures paid or incurred in tax years beginning after December 31, 2024. Foreign research or experimental expenditures continue to be capitalized and amortized over 15 years. Accordingly, for the year ended December 31, 2025, the Company deducted domestic research and experimental expenditures as incurred for tax purposes and continued to capitalize and amortize foreign research and experimental expenditures in accordance with applicable tax law. The Company is also evaluating the election of an available transition method with respect to previously capitalized domestic research or experimental expenditures from prior tax years.

Note 8 – Loss per Share

Basic and diluted net loss per common share was calculated as follows:

| (in thousands, except for net loss per common share) | Years Ended December 31, | |
|---|---------------------------------|---------------|
| | 2025 | 2024** |
| Numerator: | | |
| Net loss | \$ (13,717) | \$ (15,586) |
| Denominator: | | |
| Weighted-average common shares outstanding, basic and diluted | 7,411 | 3,790 |
| Net loss per common share, basic and diluted | \$ (1.85) | \$ (4.11) |
| Anti-dilutive potential common stock equivalents excluded from the calculation of net loss per share | | |
| Stock options to purchase common stock | 617 | 429 |
| Unvested restricted stock units | 176 | 41 |

** Information pertaining to the number of shares outstanding gives retroactive effect to a 1 for 5 reverse stock split that became effective on August 12, 2024.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Note 9 – Commitments and Contingencies

License, Development and Collaboration Agreements

Alexion, AstraZeneca Rare Disease

On October 23, 2024, the Company executed a License Agreement with Alexion Pharmaceuticals, Inc. (“Alexion”), a subsidiary of AstraZeneca, pursuant to which Alexion granted Monopar an exclusive worldwide license for the development and commercialization of ALXN1840, a drug candidate for Wilson disease. As initial upfront consideration for the License Agreement, the Company issued Alexion 387,329 shares (representing 9.9% of Monopar’s outstanding shares) of its common stock and agreed to make an upfront cash payment of \$4.0 million. A cash payment of \$1.0 million was paid at the time of signing and the remaining \$3.0 million was paid in January 2025, pursuant to the terms of the agreement. As of December 31, 2025, the Company has paid an aggregate of \$4.0 million in cash under the License Agreement. The Company agreed to an anti-dilution provision that entitled Alexion to receive additional shares at no cost to maintain their 9.9% ownership until Monopar raised the next \$25.0 million of common stock, subject to a maximum of 705,015 shares unless Monopar obtained stockholder approval. Pursuant to the anti-dilution right, the Company issued an additional 157,188 shares of its common stock to Alexion. No further obligations exist pursuant to the anti-dilution right.

Additionally, the Company is obligated to pay Alexion milestone payments of up to \$94.0 million for the achievement of regulatory approval and sales-related milestones. In addition, the Company is obligated to pay tiered royalties based on net sales at rates falling within a range of 10% to 20%. As of December 31, 2025, no milestone or royalty payments have been made under the License Agreement. The Company has also given Alexion the right of first negotiation regarding any rights should Monopar intend to sublicense ALXN1840. Furthermore, the Company will have to pay Alexion a percentage in the range of 35% to 45% of any sublicensing income received by Monopar. As part of this License Agreement, the Company has assumed an agreement from Alexion, under which the Company will also owe a third-party single digit millions in cash milestone payment upon regulatory approval in Europe and a single digit percentage royalty on net sales in Europe.

Either party may terminate the agreement in the event of an uncured material breach of the agreement following written notice, and the Company may terminate the agreement for convenience upon 90 days prior written notice to Alexion.

NorthStar Medical Radioisotopes, LLC (“NorthStar”)

In June 2024, the Company entered into a long-term, non-exclusive master supply agreement with NorthStar under which NorthStar will provide Monopar with the therapeutic radioisotope actinium-225 (“Ac-225”). The original collaboration agreement was amended at that time to clarify certain economic terms and terms related to jointly-developed intellectual property rights for the Company’s MNPR-101 for radiopharmaceutical use. The Company has acquired these rights from NorthStar, together with certain broad, jointly-developed intellectual property pertaining to MNPR-101, giving the Company full ownership and title to its lead MNPR-101 radiopharmaceutical platform. The Company will jointly share ownership of the filed patent application on the use of PCTA as a linker with Ac-225, which has shown that MNPR-101 has superior binding and yield with Ac-225 over the current industry-leading linker, DOTA.

XOMA Ltd.

To humanize the Company’s MNPR-101 antibody, Monopar has taken a non-exclusive license to XOMA (US) LLC’s humanization technology and know-how. Humanization involves replacing most of the non-critical parts of the mouse sequence of an antibody with the human sequence to minimize the ability of the human immune system to recognize this antibody as foreign. As such, MNPR-101 has been engineered to be 95% human sequence using the XOMA technology. Under the terms of the non-exclusive license with XOMA Ltd., the Company is to make payments to XOMA Ltd. upon the achievement of certain clinical, regulatory and sales milestones, potentially totaling \$14.925 million. The agreement does not require the payment of sales royalties. As of March 17, 2026, the Company has not reached any milestones and had not been required to pay XOMA Ltd. any funds under this license agreement. The first milestone payment is payable upon first dosing of a human patient in a Phase 2 clinical trial. The Company is currently conducting a Phase 1 clinical trial and cannot reliably predict when it will be able to commence a Phase 2 clinical trial, if at all.

Leases

The Company entered into a 36-month lease that commenced on April 1, 2025, for the Company’s executive headquarters at 1000 Skokie Blvd in the Village of Wilmette, Illinois, at a monthly rate of \$3,580. On November 1, 2025, the Company entered into an additional 36-month lease at the same location at a monthly rate of \$5,002, which replaced a previous month-to-month arrangement for that space. Additionally, on January 16, 2025, the Company entered into a one-year lease for a small wet laboratory space and certain equipment at the Helix 51 Bioscience Incubator at The Rosalind Franklin University of Medicine and Science in North Chicago, Illinois, at a rate of \$1,000 per month, which was cancellable after six months with 30 days’ advance written notice. Since the expiration of the initial one-year term, the Company has continued to occupy this space on a month-to-month basis.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

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As of December 31, 2025, in accordance with ASC 842, Leases, the three leases were recorded as an operating lease ROU asset and a lease liability included in accounts payable, accrued expenses and other current liabilities, and non-current operating lease liability on the Company's consolidated balance sheets. The initial ROU asset and associated liability is equal to the present value of the minimum lease payments. Since the rate implicit in the lease is rarely readily determinable, the Company applied an incremental borrowing rate taking into consideration its credit quality and borrowing rate for similar assets. The lease terms used to calculate the ROU asset and related lease liability do not include an option to extend but do include an option to terminate the lease. Lease costs for operating leases are recognized on a straight-line basis over the expected lease term and recorded as G&A expenses on the Company's consolidated statements of operations and comprehensive loss.

The components of lease expense were as follows:

| | Years Ended December 31, | |
|--------------------------|--------------------------|------------------|
| | 2025 | 2024 |
| Total lease costs | \$ 76,841 | \$ 58,085 |

Maturities of the lease liability are as follows:

| Fiscal Year Ending December 31, | Operating Leases |
|--|---------------------|
| 2026 | \$ 103,834 |
| 2027 | 102,984 |
| 2028 | 60,760 |
| Total lease payments | \$ 267,578 |
| Less: imputed interest | (22,089) |
| Total lease liability as of December 31, 2025 | \$ 245,489 |

The following table presents the weighted average remaining lease term and the discount rate used in calculating the ROU asset and related lease liability for the periods presented:

| | December 31, | |
|-----------------------------|--------------|------|
| | 2025 | 2024 |
| Lease term: | | |
| Operating leases (in years) | 1.72 | — |
| Discount rate: | | |
| Operating lease | 6.50% | — |

Supplemental balance sheet information:

| | As of December 31, | |
|--|--------------------|-------------|
| | 2025 | 2024 |
| ROU asset - non-current | \$ 254,921 | \$ — |
| Total ROU asset | \$ 254,921 | \$ — |
| Operating lease liability - current | \$ 90,569 | \$ — |
| Operating lease liability - non-current | 154,920 | — |
| Total operating lease liabilities | \$ 245,489 | \$ — |

Legal Contingencies

The Company may be subject to claims and assessments from time to time in the ordinary course of business. No claims have been asserted to date.

MONOPAR THERAPEUTICS INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2025

Indemnification

In the normal course of business, the Company enters into contracts and agreements that contain a variety of representations and warranties and provide for general indemnification. The Company's exposure under these agreements is unknown because it involves claims that may be made against the Company in the future, but that have not yet been made. To date, the Company has not paid any claims nor been required to defend any action related to its indemnification obligations. However, the Company may record charges in the future as a result of future claims against these indemnification obligations.

In accordance with its second amended and restated certificate of incorporation, amended and restated bylaws and the indemnification agreements entered into with each officer and non-employee director, the Company has indemnification obligations to its officers and non-employee directors for certain events or occurrences, subject to certain limits, while they are serving at the Company's request in such capacities. There have been no indemnification claims to date.

Note 10 – Subsequent Events

The Company has evaluated events or transactions that may have occurred which would require recognition or disclosure in the consolidated financial statements. There were no subsequent events requiring adjustment to, or disclosure in, the consolidated financial statements.

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