May 6, 2025

# Zacks Small-Cap Research

*Sponsored – Impartial - Comprehensive*

Brad Sorensen
312-265-9574
bsorensen@zacks.com

scr.zacks.com
10 S. Riverside Plaza, Chicago, IL 60606

## MIRA Pharmaceuticals (MIRA-NASDAQ)

### MIRA: Breakthrough Results for Pain Treatment

MIRA is creating a THC analog that has the same benefits as THC without the negative side effects. We value MIRA at $17.75 using discounted cash flow analysis and a 20% discount rate.

| | |
|---|---|
| Current Price (05/05/25) | $1.17 |
| **Valuation** | **$17.75** |

### OUTLOOK

MIRA Pharmaceuticals is a clinical-stage pharmaceutical company focused on the development and commercialization of new molecular synthetic cannabinoid analog for the treatment of adult patients with neuropathic pain as well as anxiety and cognitive decline typically associated with early-stage dementia.

The company announced that a recent study showed that Ketamir-2 showed no evidence of brain toxicity, in contrast to existing treatments such as ketamine.

### SUMMARY DATA

| | |
|---|---|
| **52-Week High** | **$5.01** |
| **52-Week Low** | **$0.54** |
| **One-Year Return (%)** | **-11.77** |
| **Beta** | **2.05** |
| **Average Daily Volume (sh)** | **364,891** |
| **Shares Outstanding (mil)** | **17** |
| **Market Capitalization ($mil)** | **$15** |
| **Short Interest Ratio (days)** | **N/A** |
| **Institutional Ownership (%)** | **35** |
| **Insider Ownership (%)** | **7** |
| **Annual Cash Dividend** | **$0.00** |
| **Dividend Yield (%)** | **0.00** |
| **5-Yr. Historical Growth Rates** | |
| **Sales (%)** | **N/A** |
| **Earnings Per Share (%)** | **N/A** |
| **Dividend (%)** | **N/A** |

| | |
|---|---|
| **Risk Level** | **High** |
| **Type of Stock** | **Small Growth** |
| **Industry** | **Biotech** |

### ZACKS ESTIMATES

**Revenue**
(in millions of $)

| | Q1 (Mar) | Q2 (Jun) | Q3 (Sep) | Q4 (Dec) | Year (Dec) |
|---|---|---|---|---|---|
| 2022 | 0 A | 0 A | 0 A | 0 A | 0 A |
| 2023 | 0 A | 0 A | 0 A | 0 A | 0 A |
| 2024 | 0 A | 0 A | 0 A | 0 A | 0 A |
| 2025 | 0 E | 0 E | 0 E | 0 E | 0 E |

**Earnings per share***

| | Q1 (Mar) | Q2 (Jun) | Q3 (Sep) | Q4 (Dec) | Year (Dec) |
|---|---|---|---|---|---|
| 2022 | N/A | N/A | N/A | N/A | (0.48) A |
| 2023 | (0.09) A | (0.10) A | (0.26) A | (0.37) A | (0.64) A |
| 2024 | (0.12) A | (0.11) A | (0.14) A | (0.17) A | (0.54) A |
| 2025 | (0.15) E | (0.10) E | (0.16) E | (0.13) E | (0.54) E |

*numbers may not add to yearly total due to share issuance.

© Copyright 2025, Zacks Investment Research. All Rights Reserved.

## Update

MIRA Pharmaceuticals is a clinical-stage pharmaceutical company focused on the development and commercialization of a new molecular synthetic cannabinoid analog for the treatment of adult patients with neuropathic pain as well as anxiety and cognitive decline typically associated with early-stage dementia. The company also acquired the rights to Ketamir, which, in layman's terms, is a potential derivative of the antidepressant ketamine that has shown indications of having fewer side effects, working more rapidly, and having the opportunity to impact millions of patients that have not responded to other, existing treatments. We have written about the exciting preclinical results for Ketamir-2, the company's novel oral ketamine analog, and the company just announced more positive testing results that build on all of the other positive results seen to this point and position Ketamir-2 to be a potential game-changing treatment.

Company management announced that a preclinical safety study required by the FDA showed that Ketamir-2 showed no evidence of brain toxicity. The company noted that this included the avsence of Olney lesions, which are vacuolar brain changes historically associated with older NMDA-targeting drugs such as ketamine and MK-801.

This announcement is crucial to the advancement of Ketamir-2 and sets the stage for human trials to continue. Ketamir-2 has a chance to be a game-changing treatment as it offers oral administration, with few known side effects, which is just as, or more, effective as existing treatment that require intravenous application and have major side effects. These study results should ease the FDA's concerns and allow human trials to continue.

Management noted that the Phase I study on Ketamir-2 continues to advance and that the company plans to initiate a Phase IIa trial in diabetic neuropathy by year end. These recently released testing results expand the potential market opportunity for Ketamir-2 should, as we expect, the treatment gain FDA approval.

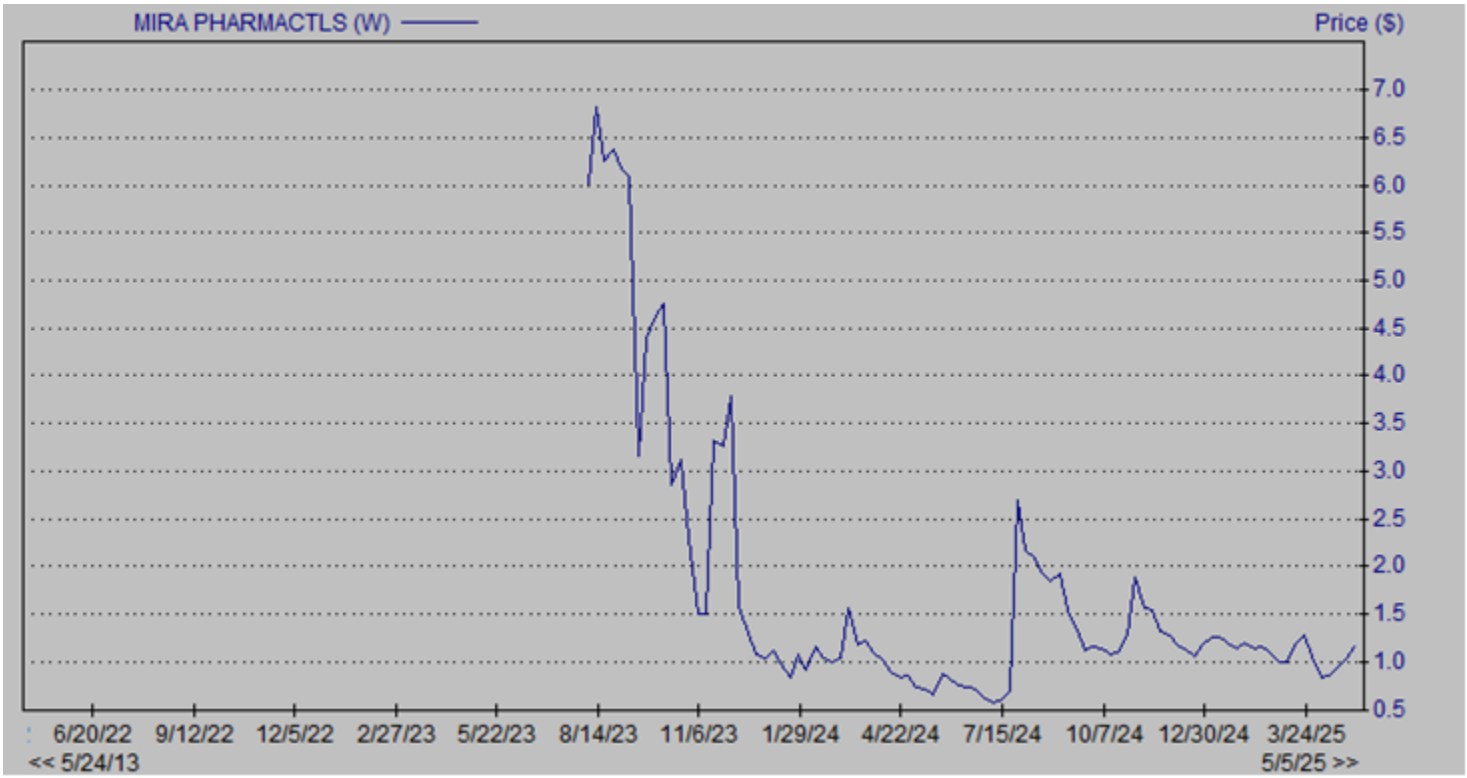
We remain extremely positive on MIRA, and this announcement is yet further confirmation that company management is focused on bringing relief to as many patients as possible and providing value to shareholders. The company now has multiple potential groundbreaking therapies and is rightly focusing on the one with the potential to get to market the fastest—Ketamir-2, but also continuing to advance MIRA-55, which we have written extensively about, in the background. We urge investors to look at MIRA and suggest those with a modestly higher risk tolerance consider investing before MIRA announces more positive results or collaborations the stock really starts to move higher.

.

## INCOME STATEMENT AND BALANCE SHEET

| MIRA Pharmaceuticals Income Statement and Balance Sheet | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2023A | 1Q2024A | 2Q2024A | 3Q2024A | 4Q2024A | 2025E | 2026E |
| Revenue | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Operating Costs: | | | | | | | |
| General and Admin. | 6,499,537 | 1,005,911 | 1,116,260 | 1,014,223 | 1,576,359 | 6,824,514 | 6,824,515 |
| Travel Costs | 453,550 | 0 | 0 | 0 | 0 | 0 | 0 |
| Research and Dev. | 1,572,962 | 762,276 | 614,462 | 1,067,396 | 861,441 | 1,651,610 | 1,734,191 |
| Total Operating Costs | 8,526,049 | 1,768,187 | 1,730,722 | 2,081,619 | 2,437,800 | 8,476,124 | 8,558,706 |
| Interest Income/(Expense) | (3,456,294) | (50,416) | 39,397 | 37,752 | 138,936 | 0 | 0 |
| Net Gain/(Loss) | (11,982,343) | (1,818,603) | (1,691,325) | (2,043,867) | (2,576,736) | (8,476,124) | (8,558,706) |
| Basic and diluted loss per share | (0.64) | (0.12) | (0.11) | (0.14) | (0.17) | (0.54) | (0.53) |
| Common Shares Outstanding | 18,566,158 | 19,707,847 | 14,780,885 | 15,071,915 | 15,444,149 | 15,753,032 | 16,068,093 |
| Assets | | | | | | | |
| Current Assets | | | | | | | |
| Cash | 4,602,566 | 3,528,695 | 2,823,781 | 4,144,560 | 2,832,931 | 2,549,638 | 2,294,674 |
| Deferred Offering Costs | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Prepaid Expenses | 243,802 | 185,336 | 108,622 | 86,572 | 54,729 | 55,276 | 55,829 |
| Total Current Assets | 4,846,368 | 3,714,031 | 2,932,403 | 4,231,132 | 2,887,660 | 2,604,914 | 2,350,503 |
| Other Assets | 86,075 | 94,760 | 83,175 | 35,439 | 35,439 | 36,148 | 36,871 |
| Total Assets | 4,932,443 | 3,808,791 | 3,015,578 | 4,266,571 | 2,923,099 | 2,641,062 | 2,387,374 |
| Liabilities and SH deficit (equity) | | | | | | | |
| Current Liabilities | | | | | | | |
| Trade accts payable | 538,564 | 636,261 | 782,140 | 692,833 | 723,349 | 730,582 | 737,888 |
| Other current liablities | 19,533 | 15,745 | 14,472 | 0 | 0 | 0 | 0 |
| Total Current Liabilities | 558,097 | 652,006 | 796,612 | 692,833 | 723,349 | 730,582 | 737,888 |
| Non-current operating lease | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Liabilities | 558,097 | 652,006 | 796,612 | 692,833 | 723,349 | 730,582 | 737,888 |
| Common Stock | 1,478 | 1,478 | 1,478 | 1,627 | 1,656 | 1,478 | 1,478 |
| Additional Paid-in Capital | 25,657,930 | 26,158,140 | 26,911,646 | 30,310,136 | 31,335,815 | 31,649,173 | 31,965,665 |
| Accumulated Deficit | (21,285,062) | (23,002,833) | (24,694,158) | (26,738,025) | (29,137,721) | (29,740,171) | (30,317,657) |
| Total SH deficit/(equity) | 4,374,346 | 3,156,785 | 2,218,966 | 3,573,738 | 2,199,750 | 1,910,480 | 1,649,486 |
| Total Liabilities and SH deficit/(equity) | 4,932,443 | 3,808,791 | 3,015,578 | 4,266,571 | 2,923,099 | 2,641,062 | 2,387,374 |

## HISTORICAL STOCK PRICE



## DISCLOSURES

The following disclosures relate to relationships between Zacks Small-Cap Research ("Zacks SCR"), a division of Zacks Investment Research ("ZIR"), and the issuers covered by the Zacks SCR Analysts in the Small-Cap Universe.

ANALYST DISCLOSURES

I, Brad Sorensen, hereby certify that the view expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the recommendations or views expressed in this research report. I believe the information used for the creation of this report has been obtained from sources I considered to be reliable, but I can neither guarantee nor represent the completeness or accuracy of the information herewith. Such information and the opinions expressed are subject to change without notice.

INVESTMENT BANKING AND FEES FOR SERVICES

Zacks SCR does not provide investment banking services nor has it received compensation for investment banking services from the issuers of the securities covered in this report or article.
Zacks SCR has received compensation from the issuer directly, from an investment manager, or from an investor relations consulting firm engaged by the issuer for providing non-investment banking services to this issuer and expects to receive additional compensation for such non-investment banking services provided to this issuer. The non-investment banking services provided to the issuer includes the preparation of this report, investor relations services, investment software, financial database analysis, organization of non-deal road shows, and attendance fees for conferences sponsored or co-sponsored by Zacks SCR. The fees for these services vary on a per-client basis and are subject to the number and types of services contracted. Fees typically range between ten thousand and fifty thousand dollars per annum. Details of fees paid by this issuer are available upon request.

POLICY DISCLOSURES

This report provides an objective valuation of the issuer today and expected valuations of the issuer at various future dates based on applying standard investment valuation methodologies to the revenue and EPS forecasts made by the SCR Analyst of the issuer's business.
SCR Analysts are restricted from holding or trading securities in the issuers that they cover. ZIR and Zacks SCR do not make a market in any security followed by SCR nor do they act as dealers in these securities. Each Zacks SCR Analyst has full discretion over the valuation of the issuer included in this report based on his or her own due diligence. SCR Analysts are paid based on the number of companies they cover. SCR Analyst compensation is not, was not, nor will be, directly or indirectly, related to the specific valuations or views expressed in any report or article.

ADDITIONAL INFORMATION

Additional information is available upon request. Zacks SCR reports and articles are based on data obtained from sources that it believes to be reliable, but are not guaranteed to be accurate nor do they purport to be complete. Because of individual financial or investment objectives and/or financial circumstances, this report or article should not be construed as advice designed to meet the particular investment needs of any investor. Investing involves risk. Any opinions expressed by Zacks SCR Analysts are subject to change without notice. Reports or articles or tweets are not to be construed as an offer or solicitation of an offer to buy or sell the securities herein mentioned.

CANADIAN COVERAGE

This research report is a product of Zacks SCR and prepared by a research analyst who is employed by or is a consultant to Zacks SCR. The research analyst preparing the research report is resident outside of Canada, and is not an associated person of any Canadian registered adviser and/or dealer. Therefore, the analyst is not subject to supervision by a Canadian registered adviser and/or dealer, and is not required to satisfy the regulatory licensing requirements of any Canadian provincial securities regulators, the Investment Industry Regulatory Organization of Canada and is not required to otherwise comply with Canadian rules or regulations.