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

FORM 6-K

Report of Foreign Private Issuer
Pursuant to Rule 13a-16 or 15d-16
Under the Securities Exchange Act of 1934

For the Month of March 2025

001-36203
(Commission File Number)

CAN-FITE BIOPHARMA LTD.
(Exact name of Registrant as specified in its charter)

26 Ben Gurion Street
Ramat Gan 5257346 Israel
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F ☒ Form 40-F ☐

On March 3, 2025, Can-Fite BioPharma Ltd. issued a press release entitled “Can-Fite Innovative Publication: Namodenoson in Liver Cancer Treatment Alongside with Cardiac, Liver, and Neurological Benefits.” A copy of this press release is furnished herewith as Exhibit 99.1.

EXHIBIT INDEX

Exhibit No.	Description
99.1	Press Release dated March 3, 2025

SIGNATURES

Pursuant to the requirements 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.

Date: March 3, 2025

By: /s/ Motti Farbstein

Motti Farbstein

Chief Executive Officer and Chief Financial Officer

Can-Fite Innovative Publication: Namodenoson in Liver Cancer Treatment Alongside with Cardiac, Liver, and Neurological Benefits

Unlike chemotherapy with its known toxicity towards normal body systems, Namodenoson provides protective effects

Ramat Gan, Israel, March 03, 2025 (GLOBE NEWSWIRE) -- Can-Fite BioPharma Ltd. (NYSE American: CANF) (TASE: CANF), a biotechnology company developing a pipeline of proprietary small molecule drugs targeting oncological and inflammatory diseases, today announced that the European Society of Medicine Journal published an innovative article titled: “The Neuro- Cardio- and Hepato- Protective Effects of Namodenoson are Mediated by Adiponectin”. The study is the result of a collaboration between Can-Fite scientists and leading hepatologists from the Department of Gastroenterology and Liver Diseases at Soroka University Medical Center, Beer Sheva, Israel.

The article presents compelling preclinical and clinical data demonstrating Namodenoson’s potent anti-ischemic, anti-inflammatory, anti-fibrotic, and anti-toxicity effects across multiple body tissues including the liver, central nervous system, and cardiovascular system. The study highlights Namodenoson’s ability to increase adiponectin levels, a key cytokine known to drive multi-organ protective effects. Importantly, the manuscript underscores Namodenoson’s dual role as both an anti-cancer therapy and a protective agent for normal tissues, setting it apart from conventional chemotherapy and other oncology treatments with significant toxicity.

Dr. Pnina Fishman, CSO & Chairperson of Can-Fite BioPharma, commented: “The data published in this journal further supports Namodenoson’s unique profile as an anti-cancer drug that simultaneously safeguards healthy body systems. This critical distinction positions Namodenoson as a potential breakthrough therapy, unlike traditional chemotherapy, which is often associated with severe toxicity.

Namodenoson is currently being evaluated in Liveration™, a pivotal Phase III study for advanced liver cancer that has been approved by both the U.S. Food and Drug Administration (FDA) and the European Medicines Agency (EMA). The drug has an Orphan Drug status with both FDA and EMA and a Fast Track status with the FDA.

About Namodenoson

Namodenoson is a small orally bioavailable drug that binds with high affinity and selectivity to the A3 adenosine receptor (A3AR). Namodenoson is currently being evaluated in a pivotal Phase III trial for advanced liver cancer, a Phase IIb trial for the treatment of Metabolic Dysfunction-associated Steatohepatitis (MASH), and in a Phase IIa study in pancreatic cancer. A3AR is highly expressed in diseased cells whereas low expression is found in normal cells. This differential expression may be one of the important factors that accounts for the excellent safety profile of the drug.

About Can-Fite BioPharma Ltd.

Can-Fite BioPharma Ltd. (NYSE American: CANF) (TASE: CANF) is an advanced clinical stage drug development Company with a platform technology that is designed to address multi-billion-dollar markets in the treatment of cancer, liver, and inflammatory disease. The Company’s lead drug candidate, Piclidenoson recently reported topline results in a Phase III trial for psoriasis and is expected to commence a pivotal Phase III. Can-Fite’s liver drug, Namodenoson, is being evaluated in a Phase III trial for hepatocellular carcinoma (HCC), a Phase IIb trial for the treatment of MASH, and in a Phase IIa study in pancreatic cancer. Namodenoson has been granted Orphan Drug Designation in the U.S. and Europe and Fast Track Designation as a second line treatment for HCC by the U.S. Food and Drug Administration. Namodenoson has also shown proof of concept to potentially treat other cancers including colon, prostate, and melanoma. CF602, the Company’s third drug candidate, has shown efficacy in the treatment of erectile dysfunction. These drugs have an excellent safety profile with experience in over 1,600 patients in clinical studies to date. For more information please visit: <https://www.canfite.com/>.

Forward-Looking Statements

This press release may contain forward-looking statements, about Can-Fite's expectations, beliefs or intentions regarding, among other things, its product development efforts, business, financial condition, results of operations, strategies or prospects. All statements in this communication, other than those relating to historical facts, are "forward looking statements". Forward-looking statements can be identified by the use of forward-looking words such as "believe," "expect," "intend," "plan," "may," "should" or "anticipate" or their negatives or other variations of these words or other comparable words or by the fact that these statements do not relate strictly to historical or current matters. Forward-looking statements relate to anticipated or expected events, activities, trends or results as of the date they are made. Because forward-looking statements relate to matters that have not yet occurred, these statements are inherently subject to known and unknown risks, uncertainties and other factors that may cause Can-Fite's actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Important factors that could cause actual results, performance or achievements to differ materially from those anticipated in these forward-looking statements include, among other things, our history of losses and needs for additional capital to fund our operations and our inability to obtain additional capital on acceptable terms, or at all; uncertainties of cash flows and inability to meet working capital needs; the initiation, timing, progress and results of our preclinical studies, clinical trials and other product candidate development efforts; our ability to advance our product candidates into clinical trials or to successfully complete our preclinical studies or clinical trials; our receipt of regulatory approvals for our product candidates, and the timing of other regulatory filings and approvals; the clinical development, commercialization and market acceptance of our product candidates; our ability to establish and maintain strategic partnerships and other corporate collaborations; the implementation of our business model and strategic plans for our business and product candidates; the scope of protection we are able to establish and maintain for intellectual property rights covering our product candidates and our ability to operate our business without infringing the intellectual property rights of others; competitive companies, technologies and our industry; risks related to any resurgence of the COVID-19 pandemic and the war between Israel and Hamas; risks related to not satisfying the continued listing requirements of NYSE American; and statements as to the impact of the political and security situation in Israel on our business. More information on these risks, uncertainties and other factors is included from time to time in the "Risk Factors" section of Can-Fite's Annual Report on Form 20-F filed with the SEC on March 28, 2024 and other public reports filed with the SEC and in its periodic filings with the TASE. Existing and prospective investors are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof. Can-Fite undertakes no obligation to publicly update or review any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by any applicable securities laws.

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