
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 December 2024

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 December 30, 2024, Can-Fite BioPharma Ltd. issued a press release entitled “Recognition of the American Society of Clinical Oncology (ASCO) of the Liver Protective Effect of Can-Fite’s anti-Cancer Drug Namodenoson.” A copy of this press release is furnished herewith as Exhibit 99.1.

Exhibit Index

Exhibit No.	Description
99.1	Press Release dated December 30, 2024

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: December 30, 2024

By: /s/ Motti Farbstein

Motti Farbstein

Chief Executive Officer and Chief Financial Officer



Recognition of the American Society of Clinical Oncology (ASCO) of the Liver Protective Effect of Can-Fite's anti-Cancer Drug Namodenoson

- *Can-Fite's data will be presented at the 2025 ASCO Gastrointestinal Cancers Symposium*
- *Can-Fite enrolls patients for its pivotal Phase III advanced liver cancer study*

Ramat Gan, Israel, Dec. 30, 2024 (GLOBE NEWSWIRE) -- Can-Fite BioPharma Ltd. (NYSE American: CANF) (TASE: CANF), a biotechnology company advancing a pipeline of proprietary small molecule drugs that address Oncology and Inflammatory diseases, today announced that its work titled "The Liver Protective Effect of the anti-Cancer Drug Candidate Namodenoson is Mediated via Adiponectin" will be presented at the 2025 ASCO Gastrointestinal Cancers Symposium to take place at San Francisco & On Line, January 23-25.

Currently, Namodenoson is being evaluated in a pivotal Phase 3 multinational registrational trial for the treatment of advanced liver cancer (Hepatocellular Carcinoma; HCC). Interestingly, Namodenoson has also completely cleared cancer in an HCC patient who was enrolled in Can-Fite's Phase 2b HCC trial. The patient continues to be treated through a compassionate use program in Romania, where she remains cancer-free for more than 8 years following her first dose of Namodenoson.

The uniqueness of Namodenoson is that beyond its anti-cancer activity, it also induces a liver-protective effect. The latter is manifested by anti-steatosis, anti-inflammatory, anti-fibrotic, and anti-ischemic effects in the liver. Can-Fite researchers also found that the molecular mechanism of the protective effect is mediated via adiponectin protein, a positive cytokine released by adipocytes and endothelial cells in the body, known to induce liver-, cardio-, and neuro-protective effects.

Namodenoson has received significant acknowledgment in the scientific and medical communities, as evidenced by the numerous peer-reviewed publications and conferences, in which it has been published and presented.

"Our Phase 3 registrational trial is designed to treat patients who have tried, yet not benefitted from the few other FDA-approved HCC treatments on the market today. In distinction from these drugs which induce liver toxicity on top of their anti-cancer effect, Namodenoson has the advantage of having a liver-protective effect and therefore can be administered to patients with advanced disease," stated Can-Fite CSO & Chairperson Dr. Pnina Fishman. We are hopeful that Namodenoson, with its liver-protective properties, can safely prolong life for advanced liver cancer patients."

About Namodenoson

Namodenoson is a small orally bioavailable drug that binds with high affinity and selectivity to the A3 adenosine receptor (A3AR). Namodenoson was evaluated in Phase II trials for two indications, as a second line treatment for hepatocellular carcinoma, and as a treatment for non-alcoholic fatty liver disease (NAFLD) and non-alcoholic steatohepatitis (NASH). A3AR is highly expressed in diseased cells whereas low expression is found in normal cells. This differential effect 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. Can-Fite's liver drug, Namodenoson, is being evaluated in a Phase IIb trial for the treatment of MASH a Phase III trial for hepatocellular carcinoma (HCC), and the Company is planning 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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