
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 May 2019

001-36203
(Commission File Number)

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

10 Bareket Street
Kiryat Matalon, P.O. Box 7537
Petach-Tikva 4951778, 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

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by
Regulation S-T Rule 101(b)(1): _____

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by
Regulation S-T Rule 101(b)(7): _____

The first paragraph and "Forward Looking Statements" of the press release attached to this Form 6-K are hereby incorporated by reference into the registrant's Registration Statements on Form S-8 (File No. 333-227753) and Form F-3 (File Nos. 333-195124, 333-204795, 333-209037 and 333-220644), to be a part thereof from the date on which this report is submitted, to the extent not superseded by documents or reports subsequently filed or furnished.

On May 6, 2019, Can-Fite BioPharma Ltd. issued a press release announcing it is conducting preparatory work for a planned pivotal Phase III study of its drug candidate Namodenoson in the treatment of advanced liver cancer in patients as a first line and second line treatment. A copy of this press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Exhibit Index

Exhibit No.	Description
99.1	Press Release dated May 6, 2019

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99.1	Press Release dated May 6, 2019

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: May 6, 2019

By: /s/ Pnina Fishman
Pnina Fishman
Chief Executive Officer

Can-Fite Announces Preparation for End-of-Phase II Meeting with FDA to Initiate the Phase III Liver Cancer Study for Namodenoson***Fast Track and Orphan Drug Status; No treatment currently exists for advanced liver cancer patients in whom the current standard of care does not work***

PETACH TIKVA, Israel, May 6, 2019 – Can-Fite BioPharma Ltd. (NYSE American: CANF) (TASE:CFBI), a biotechnology company with a pipeline of proprietary small molecule drugs that address cancer, liver and inflammatory diseases, announced today it is conducting preparatory work for a planned pivotal Phase III study of its drug candidate Namodenoson in the treatment of advanced liver cancer in patients as a first line and second line treatment. The Company recently announced results from its Phase II study of Namodenoson in the treatment of advanced liver cancer. Namodenoson was found to increase overall survival in hepatocellular carcinoma (HCC) patients with Child Pugh B7, the largest subpopulation of the study, as compared to placebo, even though the trial did not meet its primary endpoint.

An end of Phase II meeting with the U.S. Food and Drug Administration to review study data and to present the design of the Phase III clinical trial is expected soon. The FDA has granted Namodenoson both Orphan Drug and Fast Track status providing a pathway for accelerated approval based on unmet need in the treatment of advanced liver cancer. Fast Track designation offers advantages including more frequent meetings with the FDA and rolling review, which provides the opportunity to submit parts of its New Drug Application (NDA) for review prior to completing the entire application for commercialization. Orphan Drug designation includes 7-year market exclusivity following marketing approval, FDA assistance during the drug development process, and exemption of application fees.

Key Opinion Leader in liver cancer, Dr. Josep Llovet is slated to be the Principal Investigator of the planned Phase III trial and is currently working closely with Can-Fite on the study's protocol and design. Dr. Llovet is the Director of the Liver Cancer Program and Full Professor of Medicine at the Mount Sinai School of Medicine, New York University, and Professor of Research-ICREA Liver Unit, IDIBAPS-Hospital Clinic, University of Barcelona.

Dr. Llovet commented, "Today, patients with advanced liver cancer and severe liver dysfunction do not have any accepted standard of care that is effective. Based on Namodenoson's signal of efficacy in the recently completed Phase II trial, a Phase III study in the population of patients with HCC Child Pugh B7 is warranted and I am pleased to help with the design of the Phase III study and to serve as the Principal Investigator of the trial."

Can-Fite has engaged the services of a clinical research organization (CRO), the Weinberg Group, based in Washington DC to help with the preparation of all materials for the FDA meeting.

"We look forward to our upcoming meeting with the FDA regarding our Phase III study design. We are hopeful that based on efficacy data in the largest subgroup of the patient population from our Phase II study, we can move forward into a pivotal Phase III trial for marketing approval with the guidance of the FDA," stated Can-Fite CEO Pnina Fishman."

About Namodenoson

Namodenoson is a small orally bioavailable drug that binds with high affinity and selectivity to the A3 adenosine receptor (A3AR). Namodenoson is being 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: CFBI) 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, inflammatory disease and sexual dysfunction. The Company's lead drug candidate, Piclidenoson, is currently in Phase III trials for rheumatoid arthritis and psoriasis. Can-Fite's liver cancer drug, Namodenoson, recently completed a Phase II trial for hepatocellular carcinoma (HCC), the most common form of liver cancer, and is in a Phase II trial for the treatment of non-alcoholic steatohepatitis (NASH). 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 in preclinical studies and the Company is investigating additional compounds, targeting A3AR, for the treatment of sexual dysfunction. These drugs have an excellent safety profile with experience in over 1,000 patients in clinical studies to date. For more information please visit: www.can-fite.com.

Forward-Looking Statements

This press release may contain forward-looking statements, about Can-Fite's expectations, beliefs or intentions regarding, among other things, market risks and uncertainties, its product development efforts, business, financial condition, results of operations, strategies or prospects. In addition, from time to time, Can-Fite or its representatives have made or may make forward-looking statements, orally or in writing. 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. These forward-looking statements may be included in, but are not limited to, various filings made by Can-Fite with the U.S. Securities and Exchange Commission, press releases or oral statements made by or with the approval of one of Can-Fite's authorized executive officers. 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 risks and uncertainties that could cause Can-Fite's actual results to differ materially from any future results expressed or implied by the forward-looking statements. Many factors could cause Can-Fite's actual activities or results to differ materially from the activities and results anticipated in such forward-looking statements. Factors that could cause our actual results to differ materially from those expressed or implied in such forward-looking statements include, but are not limited to: 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; statements as to the impact of the political and security situation in Israel on our business; and risks and other risk factors detailed in Can-Fite's filings with the SEC and in its periodic filings with the TASE. In addition, Can-Fite operates in an industry sector where securities values are highly volatile and may be influenced by economic and other factors beyond its control. Can-Fite does not undertake any obligation to publicly update these forward-looking statements, whether as a result of new information, future events or otherwise.

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