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 October 2013..

Commission File Number: **001-35776**

Acasti Pharma Inc.
(Translation of registrant's name into English)

545 PROMENADE DU CENTROPOLIS, SUITE 100
LAVAL QUEBEC H7T 0A3
(Address of principal executive office)

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

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): ___

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

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): ___

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

On October 15, 2013 the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

(c) Exhibit 99.1. Press release dated October 15, 2013

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.

Acasti Pharma Inc.
(Registrant)

Date: October 15, 2013

/s/ HENRI HARLAND
Henri Harland
CEO

Acasti Announces Second Quarter Results

LAVAL, Quebec, Oct. 15, 2013 (GLOBE NEWSWIRE) -- Acasti Pharma ("Acasti" or the "Corporation") (Nasdaq:ACST) (TSX-V:APO), a Neptune Technologies & Bioressources Inc.'s ("Neptune") subsidiary, announces its financial results for the three and six-month periods ending August 31, 2013.

Financial Results: Three Months Ended August 31, 2013

- Revenues were $266,000 for the quarter ended August 31, 2013, versus $237,000 for the quarter ended August 31, 2012. Sales in both years were generated from the commercialization of Onemia®, the Corporation's medical food product.
- Research and development expenses were $1,526,000 for the current quarter, up from $761,000 in the corresponding prior-year quarter.
- Adjusted EBITDA was negative $(1,755,000) for the quarter ended August 31, 2013, versus negative $(1,037,000) in the corresponding prior-year quarter.
- A net loss of $(3,238,000) or $(0.04) per share was recorded for the current quarter, versus a net loss of $(1,752,000) or $(0.02) per share in the same quarter last year.

Financial Results: Six Months Ended August 31, 2013

- Revenues were $273,000 for the six-month period ended August 31, 2013, versus $251,000 for the corresponding period ended August 31, 2012. Sales in both years were generated from the commercialization of Onemia®, the Corporation's medical food product.
- Research and development expenses were $2,304,000 for the six-month period ended August 31, 2013, up from $1,321,000 in the corresponding prior-year period.
- Adjusted EBITDA was negative $(3,015,000) for the quarter ended August 31, 2013, versus negative $(1,953,000) in the corresponding prior-year period.
- A net loss of $(5,203,000) or $(0.07) per share was recorded for the current quarter, versus a net loss of $(3,328,000) or $(0.05) per share in the corresponding prior-year period.

"Acasti's position continues to grow stronger, with the Corporation reaching several significant milestones in recent months," highlighted Dr. Harlan W. Waksal, M.D., Executive Vice-President, Business & Scientific Affairs. "These include the signing of a Manufacturing Agreement with a world leader in natural based specialty chemicals for the manufacturing of CaPre® clinical material and the release of positive results in our recently completed COLT trial testing the safety and efficacy of CaPre®." These accomplishments are an important part of Acasti's drug development program geared towards obtaining market approval of CaPre®.

On top of this, Acasti and Neptune recently reached a favourable settlement with a number of respondents named in the U.S. International Trade Commission's (ITC) investigation into alleged composition of matter infringements. The ITC investigation was instituted earlier this year following a Neptune and Acasti complaint filed with the ITC. "Our intellectual property (IP) is a valuable asset and the resolution with key industry players in the ITC investigation reflects its strength and we remain dedicated in its defense," continued Dr. Waksal. To date, Acasti and Neptune have not reached a settlement with the remaining respondents in the ITC investigation, including Aker BioMarine AS; Aker BioMarine Antarctic USA, Inc.; Aker BioMarine Antarctic AS; Enzymotec Limited and Enzymotec USA, Inc.

Clinical Trials

During the quarter, Acasti announced positive results for its randomized, open-label, dose ranging, multi-centre ("COLT") trial, designed to evaluate the safety and efficacy of different daily doses of CaPre® on patients with mild to severe hypertriglyceridemia. CaPre® was found to be safe and effective with significant mean triglyceride reductions above 20% after 8 weeks of treatment with both daily doses of 4.0 grams and 2.0 grams. No serious events were reported indicating that CaPre® is safe and tolerable at all doses tested. The efficacy of CaPre ® at all doses and increased effect with dose escalation suggests that CaPre® may be titratable, allowing physicians to adjust dosage in order to better manage patients' medical needs. Going forward, the Corporation plans to release full COLT trial results at an international scientific forum.

Acasti's other Phase II study, a randomized, double-blind, placebo-controlled ("TRIFECTA") trial remains on track, with completion continued to be expected for the first half of calendar 2014. On top of this, Acasti also continues to

progress with its US strategy to submit an Investigational New Drug (IND) filing to initiate PK and Phase III clinical trials of CaPre®. The Corporation intends to do this in a two-step process, initially seeking approval to conduct a PK study and subsequently amending it to include phase III studies. "The PK study will set the stage for discussions with the FDA to conduct pivotal phase III studies in the USA," highlighted Dr. Waksal. The PK IND submission is expected to be done in the current quarter ending November 30, 2013, while the amended version requesting approval to conduct Phase III trials should be completed by the end of this fiscal year.

About Acasti Pharma Inc.

Acasti is developing a product portfolio of proprietary novel long-chain omega-3 phospholipids. Phospholipids are the major component of cell membranes and are essential for all vital cell processes. They are one of the principal constituents of High Density Lipoprotein (good cholesterol) and, as such, play an important role in modulating cholesterol efflux. Acasti's proprietary novel phospholipids carry and functionalize the polyunsaturated omega-3 fatty acids EPA and DHA, which have been shown to have substantial health benefits and which are stabilized by potent antioxidants. Acasti is focusing initially on treatments for chronic cardiovascular and cardiometabolic conditions within the medical food and prescription drug markets.

"Neither NASDAQ nor the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release."

Forward Looking Statements

Statements in this press release that are not statements of historical or current fact constitute "forward-looking statements" within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 and Canadian securities laws. Such forward-looking statements involve known and unknown risks, uncertainties, and other unknown factors that could cause the actual results of the Corporation to be materially different from historical results or from any future results expressed or implied by such forward-looking statements. In addition to statements which explicitly describe such risks and uncertainties, readers are urged to consider statements labeled with the terms "believes," "belief," "expects," "intends," "anticipates," "will," or "plans" to be uncertain and forward-looking. The forward-looking statements contained herein are also subject generally to other risks and uncertainties that are described from time to time in the Corporation's reports filed with the Securities and Exchange Commission and the Canadian securities commissions.

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