PRESS RELEASE

SOURCE: Acasti Pharma Inc.

Acasti Receives Full Data for Phase II TRIFECTA Trial

Well Positioned to Discuss Next Steps with FDA

Laval, Québec, CANADA – March 2, 2015 – Acasti Pharma Inc. ("**Acasti**" or the "**Corporation**") (NASDAQ:ACST – TSX-V:APO), an emerging biopharmaceutical company focused on the research, development and commercialization of new krill oil-based forms of omega-3 phospholipid therapies for the treatment and prevention of certain cardiometabolic disorders, announces that it has received full data for its Phase II double blind, placebo controlled (TRIFECTA) trial.

The full set of data further confirms and supports the positive Phase II TRIFECTA results announced in September 2014, on the safety and efficacy of CaPre® in the treatment of patients with hypertriglyceridemia. As previously announced, the TRIFECTA trial's primary endpoint was met, with patients on 1 gram or 2 grams of CaPre® achieving a statistically significant mean placebo-adjusted decrease in triglycerides from baseline. In addition, benefits in other key cholesterol markers were announced, including slight increases in HDL-C (good cholesterol), no deleterious effect on LDL-C (bad cholesterol) and no safety concerns.

With full data, Acasti is now able to meet with the US Food and Drug Administration (FDA) to discuss next steps in the clinical development of CaPre®. The meeting is expected to take place in the Corporation's first quarter, ending May 31, 2015. "With the encouraging results announced to date, we are well positioned to move forward with our clinical program, including a pivotal Phase III trial for CaPre® in patients with severe hypertriglyceridemia," said Pierre Lemieux, PhD, Acasti's Chief Operating Officer. "In anticipation that we will eventually receive approval to conduct a Phase III trial, we are ramping up production of CaPre® clinical material, using current Good Manufacturing Practices, to ensure a quality product in sufficient quantities is available. This will allow us to avoid any delays due to inventory shortages."

About Acasti Pharma Inc.

Acasti is an emerging biopharmaceutical company focused on the research, development and commercialization of new krill oil-based forms of omega-3 phospholipid therapies for the treatment and prevention of certain cardiometabolic disorders, in particular abnormalities in blood lipids, also known as dyslipidemia. Because krill feeds on phytoplankton (diatoms and dinoflagellates), it is a major source of phospholipids and polyunsaturated fatty acids ("PUFAs"), mainly eicosapentaenoic acid ("EPA") and docosahexaenoic acid ("DHA"), which are two types of omega-3 fatty acids well known to be beneficial for human health. CaPre®, currently Acasti's only prescription drug candidate, is a highly purified omega-3 phospholipid concentrate derived from krill oil and is being developed to help prevent and treat hypertriglyceridemia, which is a condition characterized by abnormally high levels of triglycerides in the bloodstream. ONEMIA®, a medical food and currently Acasti's only commercialized product, is a purified omega-3 phospholipid concentrate derived from krill oil with lower levels of phospholipids, EPA and DHA content than CaPre®.

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. securities laws 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 Acasti 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. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of this press release.

The forward-looking statements contained in this news release are expressly qualified in their entirety by this cautionary statement and the "Cautionary Note Regarding Forward-Looking Information" section contained in Acasti's latest Annual Information Form, which also forms part of Acasti's latest annual report on Form 20-F, and which is available on SEDAR at www.sedar.com, on EDGAR at www.sec.gov/edgar.shtml and on the investor section of Acasti's website at acastipharma.com (the "AIF"). All forward-looking statements in this press release are made as of the date of this press release. Acasti does not undertake to update any such forward-looking statements whether as a result of new information, future events or otherwise, except as required by law. The forward-looking statements contained herein are also subject generally to other risks and uncertainties that are described from time to time in Acasti's public securities filings with the Securities and Exchange Commission and the Canadian securities commissions. Additional information about these assumptions and risks and uncertainties is contained in the AIF under "Risk Factors".

Neither NASDAQ, 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.

Acasti Contact:

André Godin
Chief Financial Officer
+1.450.687.2262
a.godin@neptunebiotech.com
acastipharma.com

John Ripplinger
Investor Relations
+1.450.687.2262
j.ripplinger@acastipharma.com
acastipharma.com