



PRESS RELEASE

ASLAN PHARMACEUTICALS COMPLETES ENROLMENT FOR GLOBAL PIVOTAL TREETOPP STUDY AHEAD OF SCHEDULE

Topline data from largest global, placebo-controlled study in second line biliary tract cancer expected in the second half of 2019

Singapore, 2 January 2019 – ASLAN Pharmaceuticals (NASDAQ:ASLN, TPEX:6497), a clinical-stage biopharmaceutical company targeting cancers that are both highly prevalent in Asia and orphan indications in the United States and Europe, today announced the completion of patient enrolment in TreeTopp (TREatmEnT OPPortunity), a global pivotal study investigating *varlitinib* in second-line biliary tract cancer (BTC). Topline data is expected in the second half of 2019.

TreeTopp is a randomised, double-blind, placebo-controlled clinical trial in second-line BTC comparing *varlitinib* and *capecitabine* to placebo and *capecitabine*. It is the largest global, placebo-controlled study in BTC conducted to date. Currently, there are no approved targeted therapies for the treatment of BTC which affects more than 200,000 people in Asia every year.

The study recruited 127 patients who have failed first line therapy from 56 sites worldwide including the US, Europe, Australia, Japan, Korea and other Asia Pacific countries. The co-primary endpoints of the study are objective response rate and progression free survival. The trial will meet its primary objective if either endpoint is significant at the one-sided 5% level or if both endpoints are significant at the one-sided 10% significance level. If the study results are positive, ASLAN intends to submit a New Drug Application to the US Food and Drug Administration (FDA) for an accelerated approval in second-line BTC.

Dr Mark McHale, Chief Operating Officer of ASLAN Pharmaceuticals, said: “TreeTopp has generated strong levels of interest from the international oncology community, which enabled us to recruit patients into the study ahead of our timeline and demonstrates the clear need for a new therapy to treat BTC, a cancer that is often diagnosed at an advanced stage with limited treatment options and poor survival rates.”

Varlitinib is a potent, reversible, small molecule pan-HER inhibitor currently in development across multiple indications including biliary tract, gastric, metastatic breast and metastatic colorectal cancers. It has previously demonstrated tumour shrinkage responses and durable disease stabilization in BTC patients in a phase 1b study and has obtained Orphan Drug Designation (ODD) from the US FDA for BTC and the Ministry of Food and Drug Safety in South Korea.

ASLAN will present new safety and efficacy data from its ongoing multicentre phase 1b/2 study of *varlitinib* plus gemcitabine and cisplatin in first line BTC at the American Society of Clinical Oncology Gastrointestinal Cancers Symposium on Friday, 18 January 2019 in San Francisco. Data from a pooled analysis of three phase 1 studies of *varlitinib* in combination with platinum-based regimens in BTC will also be presented at the same conference.

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About *varlitinib* (ASLAN001)

Varlitinib (ASLAN001) is a highly potent, oral, reversible, small molecule pan-HER inhibitor that targets the human epidermal growth factor receptors HER1, HER2 and HER4. These receptors can be mutated or overexpressed in many tumors, which can cause excessive proliferative activity and uncontrolled growth. Therefore, by inhibiting the activation of the HER receptors, *varlitinib* could inhibit proliferation and control tumor growth. *Varlitinib* is currently being studied in gastric, biliary tract, breast and colorectal cancers. *Varlitinib* has been granted orphan drug designation in the United States for gastric cancer and cholangiocarcinoma, a sub-type of biliary tract cancer, and was awarded orphan drug designation for the treatment of biliary tract cancer by the Ministry of Food and Drug Safety in South Korea.

About ASLAN Pharmaceuticals

ASLAN Pharmaceuticals (ASLAN, 6497.TT, Nasdaq: ASLN) is a clinical-stage oncology-focused biopharmaceutical company developing novel therapeutics for global markets. ASLAN targets diseases that are both highly prevalent in Asia and orphan indications in the United States and Europe. Led by a senior management team with extensive experience in global and regional development and commercialization, ASLAN is headquartered in Singapore and has offices in Taiwan and China. ASLAN's portfolio is comprised of four product candidates which target validated growth pathways applied to new patient segments, novel immune checkpoints and novel cancer metabolic pathways. ASLAN's partners include Array BioPharma, Bristol-Myers Squibb, Almirall and CSL. For additional information please visit www.aslanpharma.com.

Forward looking statements

This release and the accompanying financial information, if any, contains forward-looking statements. These statements are based on the current beliefs and expectations of the management of ASLAN Pharmaceuticals Limited and/or its affiliates (the "Company"). These forward-looking statements may include, but are not limited to, statements regarding the Company's business strategy, the Company's plans to develop and commercialise its product candidates, the safety and efficacy of the Company's product candidates, the Company's plans and expected timing with respect to regulatory filings and approvals, and the size and growth potential of the markets for the Company's product candidates. The Company's estimates, projections and other forward-looking statements are based on management's current assumptions and expectations of future events and trends, which affect or may affect the Company's business, strategy, operations or financial performance, and inherently involve significant known and unknown risks and uncertainties. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties, which include, without limitation the risk factors described in the Company's US Securities and Exchange Commission filings and reports (Commission File No. 001-38475), including the Company's prospectus dated May 8, 2018 filed with the US Securities and Exchange Commission on such date.

All statements other than statements of historical fact are forward-looking statements. The words "believe," "may," "might," "could," "will," "aim," "estimate," "continue," "anticipate," "intend," "expect," "plan," or the negative of those terms, and similar expressions that convey uncertainty of future events or outcomes are intended to identify estimates, projections and other forward-looking statements. Estimates, projections and other forward-looking statements speak only as of the date they were made, and, except to the extent required by law, the Company undertakes no obligation to update or review any estimate, projection or forward-looking statement.