

Zydus announces Phase I trials of ZYIL1, a novel oral small molecule NLRP3 inflammasome inhibitor

- Phase I trial will study the safety, tolerability, pharmacokinetics and pharmacodynamics of ZYIL1 in healthy human volunteers
- Zydus has secured a Strong IP portfolio with multiple patents filed in all major countries

Ahmedabad, India, December 7, 2020

Zydus, a leading discovery based, global pharmaceutical company today announced that it has received permission to initiate the Phase 1 clinical trial of ZYIL1, a novel oral small molecule NLRP3 inhibitor candidate.

NLRP3 inflammasomes are involved in the inflammation process by production and release of pro-inflammatory cytokines IL-1 β and IL-18. This harmful inflammation within the body leads to the onset and development of various kinds of diseases, including Acute Respiratory Distress Syndrome (ARDS), auto-immune diseases, inflammatory diseases, cardiovascular diseases, metabolic disorders, Gastro-intestinal diseases (inflammatory bowel disease), renal diseases and CNS diseases.

Speaking on the development, Pankaj R. Patel, Chairman, Cadila Healthcare Ltd., said, “We will study the safety, tolerability, pharmacokinetics and pharmacodynamics of ZYIL1 in this Phase I clinical trial in healthy human volunteers. We are committed to developing these pioneering novel treatments to the clinic for the patients in need.”

About ZYIL1

ZYIL1 is a novel oral small molecule NLRP3 inhibitor candidate. ZYIL1 has demonstrated promising efficacy in a number of validated pre-clinical models of Inflammatory Bowel Disease (IBD), Multiple Sclerosis (MS), Sepsis and acute lung injury models of Acute Respiratory Distress Syndrome (ARDS). The studies have demonstrated that ZYIL1 can selectively suppress inflammation caused by the NLRP3 inflammasome. The candidate, ZYIL1, has an acceptable ADME profile, with high safety margin



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About Zydus

Zydus Cadila is an innovative, global pharmaceutical company that discovers, develops, manufactures and markets a broad range of healthcare therapies, including small molecule drugs, biologic therapeutics and vaccines. The group employs nearly 25,000 people worldwide, including 1,400 scientists engaged in R & D, and is dedicated to creating healthier communities globally. www.zyduscadila.com

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