

Pharmaceutical Business

Clinical Development as of October 31, 2023

<In-house development>

Code (Generic Name)	Potential Indication/Dosage form	Mechanism		Phase (Region)	Origin	Note
JTE-052 (delgocitinib)	Autoimmune/allergic diseases /Oral, Topical	JAK inhibitor	Suppresses overactive immune response via inhibition of Janus kinase (JAK) related to immune signal.	Phase1 (Japan)	In-house	
JTE-051	Autoimmune/allergic diseases /Oral	Interleukin-2 inducible T cell kinase inhibitor	Suppresses overactive immune response via inhibition of the signal to activate T cells related to immune response.	Phase2(Japan)	In-house	
				Phase2 (Overseas)		
JTT-662	Type 2 diabetes mellitus /Oral	SGLT1 inhibitor	Suppresses postprandial hyperglycemia and normalizes blood glucose level via inhibition of SGLT1.	Phase1 (Overseas)	In-house	
JTT-861	Chronic heart failure /Oral	PDHK inhibitor	Improves cardiac function by activation of pyruvate dehydrogenase (PDH) related to carbohydrate metabolism.	Phase1 (Overseas)	In-house	
JTE-061 (tapinarof)	Atopic dermatitis /Topical	AhR modulator	Suppresses skin inflammation via activation of the aryl hydrocarbon receptor (AhR)	NDA filed (Japan)	In-license	<ul style="list-style-type: none"> • In-license from Dermavant Sciences GmbH • Co-development with Torii
	Plaque psoriasis /Topical			NDA filed (Japan)		
	Atopic dermatitis (pediatric) /Topical			Phase3 (Japan)		
JTC-064	Neurodegenerative disease /Oral	PDHK inhibitor	Improves metabolic abnormalities by activation of pyruvate dehydrogenase (PDH)	Phase1 (Overseas)	In-house	
JTV-161	Pulmonary arterial hypertension /Oral	Pim-1 inhibitor	Suppresses pulmonary vascular cell proliferation by inhibiting Pim-1	Phase1 (Overseas)	In-house	
JTE-162	Autoinflammatory/ Autoimmune diseases /Oral	NLRP3 inhibitor	Suppresses immune response by inhibition of NLRP3 inflammasome	Phase1 (Overseas)	In-house	

Clinical trial phase presented above is based on the first dose.
We are also conducting additional studies to examine the potential for use in additional dosage forms.

<Licensed compounds>

Compound (JT's code)	Licensee	Mechanism		Note
trametinib	Novartis	MEK inhibitor	Inhibits cellular growth by specifically inhibiting the activity of MAPK/ERK pathway.	
Anti-ICOS monoclonal antibody	AstraZeneca	ICOS antagonist	Suppresses overactive immune response via inhibition of ICOS which regulates activation of T cells.	
delgocitinib	LEO Pharma ROHTO Pharmaceutical	JAK inhibitor	Suppresses overactive immune response via inhibition of Janus kinase (JAK) related to immune signal.	
enarodustat	JW Pharmaceutical Salubris	HIF-PH inhibitor	Increases red blood cells by stimulating production of erythropoietin, an erythropoiesis-stimulating hormone, via inhibition of HIF-PH.	

Updates since the previous announcement on July 31, 2023

- JTE-061 : Filed New Drug Application of JTE-061(tapinarof) cream for the treatment of atopic dermatitis and plaque psoriasis in Japan (September 15, 2023)
- JTE-061 (Atopic dermatitis(pediatric)/Topical) : advanced to Phase3 in Japan
- delgocitinib : JT's license partner LEO Pharma announced that the European Medicines Agency accepts Marketing Authorization Application for delgocitinib cream (August 17, 2023)