Pharmaceutical Business
Clinical Development as of February 14, 2022

＜In-house development＞

Code (Generic Name)	Potential Indication/Dosage form	Mechanism		Phase (Region)	Origin	Note
JTE-052 (delgocitinib)	Atopic dermatitis (infant) /Topical	JAK inhibitor	Suppresses overactive immune response via inhibition of Janus kinase (JAK) related to immune signal.	Phase3 (Japan)	In-house	・Co-development with Torii Pharmaceutical
	Autoimmune/allergic diseases /Oral, Topical			Phase1 (Japan)		
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)		
JTE-451	Autoimmune/allergic diseases /Topical	RORγ antagonist	Suppresses overactive immune response via inhibition of RORγ related to Th17 activation.	Phase2 (Japan)	In-house	
JTT-251	Type 2 diabetes mellitus /Oral	PDHK inhibitor	Decreases blood glucose by activation of pyruvate dehydrogenase (PDH) related to carbohydrate metabolism.	Phase1 (Overseas)	In-house	
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)	Phase3 (Japan)	In-license	・In-license from Dermavant Sciences GmbH ・Co-development with Torii Pharmaceutical
	Plaque psoriasis /Topical			Phase3 (Japan)		
	Atopic dermatitis (pediatric) /Topical			Phase2 (Japan)		

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 October 29, 2021:
- JTE-061 (pediatric atopic dermatitis /Topical): advanced to Phase2 in Japan