Pharmaceutical Business
Clinical Development as of October 30, 2020

＜In-house development＞

Code (Generic Name)	Potential Indication/Dosage form	Mechanism		Phase（Region）	Origin	Note
JTZ-951 (enarodustat)	Anemia associated with chronic kidney disease /Oral	HIF-PH inhibitor	Increases red blood cells by stimulating production of erythropoietin, an erythropoiesis-stimulating hormone, via inhibition of HIF-PH.	Phase1 (Overseas)	In-house	・Co-development with Torii
JTE-052 (delgocitinib)	Atopic dermatitis (pediatric) /Topical	JAK inhibitor	Suppresses overactive immune response via inhibition of Janus kinase (JAK) related to immune signal.	NDA filed (Japan)	In-house	・Co-development with Torii
	Atopic dermatitis (infant) /Topical			Phase3 (Japan)		・Co-development with Torii
	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 (Overseas)	In-house	
JTE-451	Autoimmune/allergic diseases /Oral	RORγ antagonist	Suppresses overactive immune response via inhibition of RORγ related to Th17 activation.	Phase2 (Overseas)	In-house	
	Autoimmune/allergic diseases /Topical			Phase1 (Japan)		
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	
JTE-761	Autoimmune/allergic diseases /Oral	RORγ antagonist	Suppresses overactive immune response via inhibition of RORγ related to Th17 activation.	Phase1 (Overseas)	In-house	
JTT-751 (ferric citrate hydrate)	Iron-deficiency anemia/Oral	Oral iron replacement	Corrects iron-deficiency anemia by using absorbed iron for synthesis of hemoglobin.	NDA filed (Japan)	In-license	・Licensed from Keryx Biopharmaceuticals ・Co-development with Torii ・Additional indication

・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, 2020:
・JTZ-951: Manufacturing and Marketing Approval of ENAROY® Tablets 2 mg・4 mg for the Treatment of Anemia Associated with Chronic Kidney Disease in Japan (September 25, 2020)
・JTE-052(Infants) : advanced to Phase3 in Japan