

Japan Tobacco Inc. Clinical development (as of October 31, 2006)

Code	Stage	Indication	Mechanism	Characteristics	Rights
JTT-705 (oral)	Phase1(JPN)	Dyslipidemia	CETP inhibitor	Decreases LDL and increases HDL by inhibition of CETP -CETP:Cholesteryl Ester Transfer Protein, facilitates transfer of cholesteryl ester from HDL to LDL -HDL:High density lipoprotein, Good Cholesterol -LDL:Low density lipoprotein, Bad Cholesterol	A license agreement was signed with Roche (Switzerland) for development and commercialization of this compound worldwide except Japan and Korea. (October 2004)
JTT-130 (oral)	Phase2(JPN) Phase2(Overseas)	Hyperlipidemia	MTP inhibitor	Treatment of hyperlipidemia by reducing absorption of cholesterol and triglyceride via inhibition of MTP MTP:Microsomal Triglyceride Transfer Protein	
JTK-303 (oral)	Phase1(JPN)	HIV	Integrase inhibitor	Integrase inhibitor which works by blocking integrase, an enzyme that is involved in the replication of HIV (HIV:Human Immunodeficiency Virus)	A license agreement was signed with Gilead (US) for development and commercialization of this compound worldwide except Japan . (March 2005)
JTT-302 (oral)	Phase1(Overseas)	Dyslipidemia	CETP inhibitor	Decreases LDL and increases HDL by inhibition of CETP -CETP:Cholesteryl Ester Transfer Protein, facilitates transfer of cholesteryl ester from HDL to LDL -HDL:High density lipoprotein, Good Cholesterol -LDL:Low density lipoprotein, Bad Cholesterol	
JTT-305 (oral)	Phase1(JPN) Phase1(Overseas)	Osteoporosis	CaSR antagonist	Increases BMD and decreases new vertebral fractures by accelerating endogenous PTH secretion via antagonism of circulating Ca on CaSR in parathyroid cells -BMD: Bone Mineral Density -PTH: Parathyroid Hormone -CaSR: Calcium-Sensing Receptor	
JTT-551 (oral)	Phase1(JPN) Phase1(Overseas)	Type 2 diabetes mellitus	PTP1B inhibitor	Decreases blood glucose by enhancing insulin signal via inhibition of PTP1B. -PTP1B:Protein Tyrosine Phosphatase 1B This enzyme negatively regulates insulin signaling pathway.	
JTT-552 (oral)	Phase1(JPN)	Hyperuricemia	URAT1 (Urate Transporter 1) inhibitor	Decreases serum urate concentration by increasing urinary urate excretion via inhibition of URAT1. -URAT 1: Urate Transporter 1	

Changes from the previous announcement on July 31, 2006:

JTT-551 entered into clinical trial stage overseas.