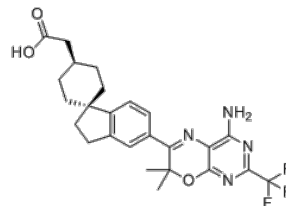


Product Name	: JTT-553
Synonyms	: JTT553
Cat No.	: M15691
CAS Number	: 701232-94-2
Molecular Formula	: C ₂₅ H ₂₇ F ₃ N ₄ O ₃
Formula Weight	: 488.51
Chemical Name	: 2-((1r,4s)-5'-(4-amino-7,7-dimethyl-2-(trifluoromethyl)-7H-pyrimido[4,5-b][1,4]oxazin-6-yl)-2',3'-dihydrospiro[cyclohexane-1,1'-inden]-4-yl)acetic acid
Description	: JTT-553 is a novel potent, selective DGAT-1 inhibitor with IC ₅₀ of 2.38 nM, shows no inhibitory activity for human DGAT2 and ACAT1 (IC ₅₀ >10 uM); suppresses plasma TG and chylomicron TG levels after olive oil loading in Sprague-Dawley (SD) rats; also reduces daily food intake and body weight gain in diet-induced obesity rats. Obesity Phase 1 Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: DGAT
Receptor	: DGAT
Solubility	: —
SMILES	: <chem>CC1(C(=NC2=C(N=C(N=C2O1)C(F)(F)F)N)C3=CC4=C(C=C3)C5(CCC(CC5)CC(=O)O)CC4)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Tomimoto D, et al. Biol Pharm Bull. 2015;38(2):263-9. 2. Tomimoto D, et al. J Pharmacol Sci. 2015 Sep;129(1):51-8.