

Product Name	: T863
Synonyms	: T863, T 863, T-863
Cat No.	: M19018
CAS Number	: 701232-20-4
Molecular Formula	: C ₂₂ H ₂₆ N ₄ O ₃
Formula Weight	: 394.47
Chemical Name	: trans-4-[4-(4-Amino-7,7-dimethyl-7H-pyrimido[4,5-b][1,4]oxazin-6-yl)phenyl]cyclohexanecarboxylic acid
Description	: T-863(DGAT-1 inhibitor) is an orally active, selective and potent DGAT1 (Acyl-CoA:diacylglycerol acyltransferase 1) inhibitor that interacts with the acyl-CoA binding site of DGAT1, and inhibits triacylglycerol synthesis in cells. IC ₅₀ value: Target: DGAT1 T863 causes weight loss, reduction in serum and liver triglycerides, and improved insulin sensitivity in obese mice.
Pathway	: Cell Cycle/DNA Damage
Target	: DNA/RNA Synthesis
Receptor	: DGAT1
Solubility	: DMSO : ≥ 50 mg/mL; 126.75 mM
SMILES	: <chem>O=C(O)C[C@H]1CC[C@H](CC1)c2ccc(cc2)C4=Nc3c(ncnc3N)OC4(C)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Cao J, et al. Targeting Acyl-CoA:diacylglycerol acyltransferase 1 (DGAT1) with small molecule inhibitors for the treatment of metabolic diseases. J Biol Chem. 2011 Dec 2;286(48):41838-51.