



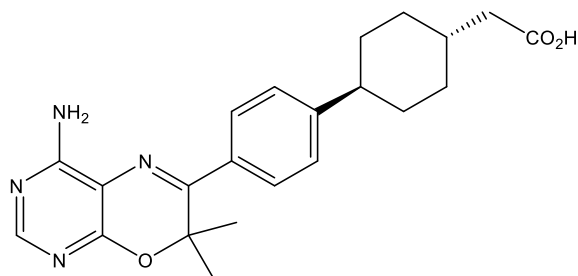
Catalog # 10-4460

T863

CAS# 701232-20-4

trans-2-[4-[4-(4-amino-7,7-dimethylpyrimido[4,5-b][1,4]oxazin-6-yl)phenyl]cyclohexyl]acetic acid

Lot # FBS5023



T863 is a potent (IC_{50} = 49 nM CPM fluorescent assay; 17 nM TLC assay) and selective (against DGAT2 and MGATs 2 and 3) inhibitor of diacylglycerol transferase 1 (DGAT1). In mice, it caused weight loss, increased insulin sensitivity, alleviated hepatic steatosis, and reduced triglyceride and cholesterol levels.

- 1) Cao *et al.* (2011), *Targeting Acyl-CoA:Diacylglycerol Acyltransferase 1 (DGAT1) with Small Molecules Inhibitors for the Treatment of Metabolic Diseases*; J. Biol. Chem. **286** 41838

PHYSICAL DATA

Molecular Weight: 394.48
Molecular Formula: $C_{22}H_{26}N_4O_3$
Purity: 98% by HPLC
NMR: (Conforms)
Solubility: DMSO (>25 mg/ml)
Physical Description: Beige solid
Storage and Stability: Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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