

DGAT1-IN-1

Chemical Properties

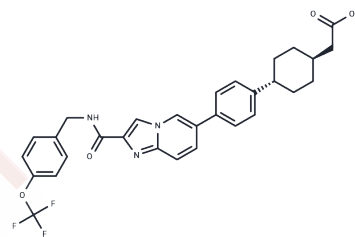
CAS No. : 1449779-49-0

Formula: C₃₀H₂₈F₃N₃O₄

Molecular Weight: 551.56

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	DGAT1-IN-1 is a potent inhibitor of diacylglycerol O-acyltransferase type 1 (DGAT1) with an IC ₅₀ of less than 10 nM.
Targets(IC ₅₀)	Acyltransferase,Transferase
In vitro	DGAT1 inhibitor Imidazopyridine and imidazothiazole compounds as inhibitors of diacylglycerol o-acyltransferase type 1 enzyme.

Solubility Information

Solubility	DMSO: 20 mg/mL (36.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.813 mL	9.0652 mL	18.1304 mL
5 mM	0.3626 mL	1.813 mL	3.6261 mL
10 mM	0.1813 mL	0.9065 mL	1.813 mL
50 mM	0.0363 mL	0.1813 mL	0.3626 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Dooseop Kim, et al. Compounds as inhibitors of diacylglycerol o-acyltransferase type 1 enzyme. WO2013119040A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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