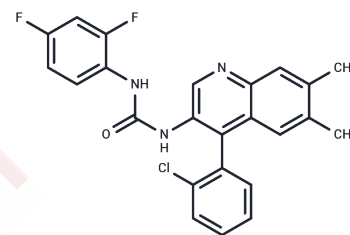


TMP-153

Chemical Properties

CAS No. : 128831-46-9
 Formula: C₂₄H₁₈ClF₂N₃O
 Molecular Weight: 437.87
 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	TMP-153 is a novel and potent ACAT inhibitor with an IC ₅₀ value of 5-10 nM for intestinal and hepatic ACAT in animals. TMP-153 has a hypocholesterolemic effect, inhibiting cholesterol uptake and lowering plasma cholesterol in rats and hamsters.
Targets(IC ₅₀)	Acyltransferase

Solubility Information

Solubility	DMF: 10 mg/mL (22.84 mM), Sonication is recommended. DMSO: 30 mg/mL (68.51 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	2.2838 mL	11.4189 mL	22.8378 mL
5 mM	0.4568 mL	2.2838 mL	4.5676 mL
10 mM	0.2284 mL	1.1419 mL	2.2838 mL
50 mM	0.0457 mL	0.2284 mL	0.4568 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

Sugiyama Y, et al. TMP-153, a novel ACAT inhibitor, inhibits cholesterol absorption and lowers plasma cholesterol in rats and hamsters. *Atherosclerosis*. 1995 Feb;113(1):71-8.

Sugiyama Y, et al. TMP-153, a novel ACAT inhibitor, lowers plasma cholesterol through its hepatic action in golden hamsters. *Atherosclerosis*. 1995 Nov;118(1):145-53.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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