

LDN-193188

Chemical Properties

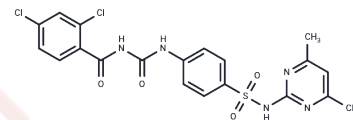
CAS No. : 1267610-30-9

Formula: C₂₀H₁₇Cl₂N₅O₄S

Molecular Weight: 494.35

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	LDN-193188 is a competitive phosphatidylcholine transfer protein (PC-TP) inhibitor that can regulate liver glucose production and promote the non-enzymatic phosphorylation of key insulin signaling molecules, and can be used to study insulin resistance.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 3 mg/mL (6.07 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	2.0229 mL	10.1143 mL	20.2286 mL
5 mM	0.4046 mL	2.0229 mL	4.0457 mL
10 mM	0.2023 mL	1.0114 mL	2.0229 mL
50 mM	0.0405 mL	0.2023 mL	0.4046 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

Shishova EY, et al. Genetic ablation or chemical inhibition of phosphatidylcholine transfer protein attenuates diet-induced hepatic glucose production. *Hepatology*. 2011;54(2):664-674.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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