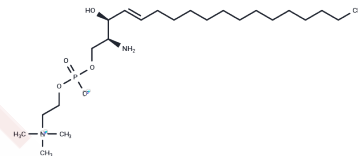


L-threo Lysosphingomyelin (d18:1)

Chemical Properties

CAS No. : 105615-55-2
 Formula: C₂₃H₄₉N₂O₅P
 Molecular Weight: 464.62
 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	L-threo Lysosphingomyelin (d18:1) (L-threo-Sphingosylphosphorylcholine) is a naturally occurring bioactive sphingolipid that functions as a potent agonist for S1P receptors, with EC ₅₀ values of 19.3, 131.8, and 313.3 nM for hS1P1, hS1P3, and hS1P2, respectively.
Targets(IC50)	Others, LPL Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1523 mL	10.7615 mL	21.523 mL
5 mM	0.4305 mL	2.1523 mL	4.3046 mL
10 mM	0.2152 mL	1.0761 mL	2.1523 mL
50 mM	0.043 mL	0.2152 mL	0.4305 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

Im DS, et al. Characterization of the human and mouse sphingosine 1-phosphate receptor, S1P5 (Edg-8): structure-activity relationship of sphingosine1-phosphate receptors. *Biochemistry*. 2001;40(46):14053-14060.

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