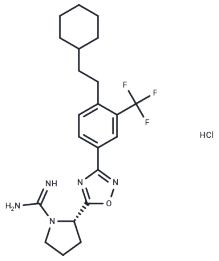
Data Sheet (Cat.No.T63047)

SLP9101555

Chemical Properties



CAS No. :

Formula: C22H29ClF3N5O

Molecular Weight: 471.95

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	SLP9101555 is a potent and selective sphingosine kinase 2 (SphK2) inhibitor with a Ki of 90 nM.SLP9101555 has a high affinity for SphK2, which is 200-fold higher than that of SphK1.SLP9101555 dramatically reduces extracellular S1P sphingosine 1-phosphate (S1P) levels.
Targets(IC50)	LPL Receptor,S1P Receptor
In vivo	SLP9101555 (compound 14c) (5 mg/kg; I.P.; single administration) significantly elevates blood S1P levels.[1]

Solubility Information

Solubility	DMSO: 4.72 mg/mL (10 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1189 mL	10.5943 mL	21.1887 mL
5 mM	0.4238 mL	2.1189 mL	4.2377 mL
10 mM	0.2119 mL	1.0594 mL	2.1189 mL
50 mM	0.0424 mL	0.2119 mL	0.4238 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

Pashikanti S, et al. Sphingosine Kinase 2 Inhibitors: Rigid Aliphatic Tail Derivatives Deliver Potent and Selective Analogues. ACS Bio Med Chem Au. 2022;2(5):469-489.

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