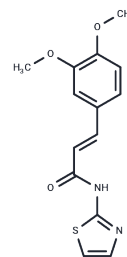


SphK1&2-IN-1

Chemical Properties

CAS No. :	1415662-57-5
Formula:	C ₁₄ H ₁₄ N ₂ O ₃ S
Molecular Weight:	290.34
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	SphK1&2-IN-1, a sphingosine kinase inhibitor, exhibits anti-inflammatory, antitumor, and hemostatic properties.
Targets(IC50)	S1P Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (172.21 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	3.4442 mL	17.2212 mL	34.4424 mL
5 mM	0.6888 mL	3.4442 mL	6.8885 mL
10 mM	0.3444 mL	1.7221 mL	3.4442 mL
50 mM	0.0689 mL	0.3444 mL	0.6888 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

Vogt D, et al. Design, synthesis and evaluation of 2-aminothiazole derivatives as sphingosine kinase inhibitors. *Bioorg Med Chem.* 2014 Oct 1;22(19):5354-67.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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