

VPC 23019

Chemical Properties

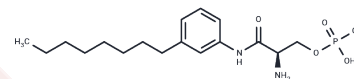
CAS No. : 449173-19-7

Formula: C17H29N2O5P

Molecular Weight: 372.4

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	VPC 23019 is a competitive antagonist at the S1P1 and S1P3 receptors (pKi= 7.86 and 5.93, respectively). It is also an agonist at the S1P4 and S1P5 receptors (pEC50= 6.58 and 7.07, respectively).
Targets(IC50)	LPL Receptor,S1P Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6853 mL	13.4264 mL	26.8528 mL
5 mM	0.5371 mL	2.6853 mL	5.3706 mL
10 mM	0.2685 mL	1.3426 mL	2.6853 mL
50 mM	0.0537 mL	0.2685 mL	0.5371 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

Davis MD, et al. Spingosine 1-phosphate analogs as receptor antagonists. J Biol Chem. 2005 Mar 18;280(11):9833-41. Epub 2004 Dec 8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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