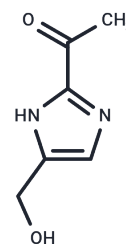


A6770

Chemical Properties

CAS No. : 1331754-16-5
 Formula: C₆H₈N₂O₂
 Molecular Weight: 140.142
 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	A6770 is an inhibitor of sphingosine-1-phosphate (S1P) lyase. It induces accumulation of [3H]sphinganine-1-phosphate ([3H]dhS1P), an S1P lyase substrate, in IT-79MTNC3 cells that endogenously express high levels of S1P lyase (EC ₅₀ = <0.01 μM), an effect that is reduced in the presence of vitamin B6 (EC ₅₀ = <100 μM).
Targets(IC ₅₀)	Others, LPL Receptor

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (71.36 mM), Sonication is recommended. DMF: 30 mg/mL (214.07 mM), Sonication is recommended. DMSO: 30 mg/mL (214.07 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	7.1357 mL	35.6786 mL	71.3572 mL
5 mM	1.4271 mL	7.1357 mL	14.2714 mL
10 mM	0.7136 mL	3.5679 mL	7.1357 mL
50 mM	0.1427 mL	0.7136 mL	1.4271 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

Ohtoyo, M., Tamura, M., Machinaga, N., et al. Scintillation proximity assay to detect the changes in cellular dihydrosphingosine 1-phosphate levels. *Lipids* 51(10):1207-1216(2016)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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