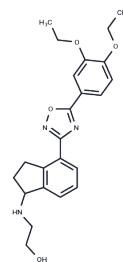


CYM5442

Chemical Properties

CAS No. : 1094042-01-9
 Formula: C₂₃H₂₇N₃O₄
 Molecular Weight: 409.48
 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	CYM5442 is an S1P agonist, targeting to Sphingosine.
Targets(IC50)	LPL Receptor,S1P Receptor
Kinase Assay	HDAC activity is detected as described in the Colorimetric HDAC Activity Assay kit. Each reaction (100 µL) contains nuclear protein (50 µg) extract from leukaemia cells and HDAC substrate. To test the effect of HDACis, Chidamide (CS055) and MS-275 are added to the mixtures and incubated at 37°C for 1 h. The HDAC activities are measured by a microplate readers at 405 nm. The positive control (only nuclear extract and vehicle) is set as 100% and double-distilled water containing 10 µM Trichostatin A, a known strong HDACi, is used as a negative control and set as 0%[2].

Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4421 mL	12.2106 mL	24.4212 mL
5 mM	0.4884 mL	2.4421 mL	4.8842 mL
10 mM	0.2442 mL	1.2211 mL	2.4421 mL
50 mM	0.0488 mL	0.2442 mL	0.4884 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

Poti F, et al. Vascul Pharmacol. 2012 Aug 19;57(1):56-64.

Fauzyah Y, Ono C, Torii S, et al. Ponesimod suppresses hepatitis B virus infection by inhibiting endosome maturation. Antiviral Research. 2021 Feb;186:104999

Fauzyah Y, Ono C, Torii S, et al. Ponesimod suppresses hepatitis B virus infection by inhibiting endosome maturation[J]. Antiviral Research. 2020: 104999.

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