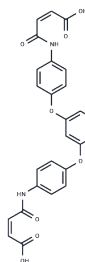


H2L5186303

Chemical Properties

CAS No. : 139262-76-3
 Formula: C₂₆H₂₀N₂O₈
 Molecular Weight: 488.45
 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	H2L5186303 is an LPA2 antagonist and can be used in studies about asthma treatment.
Targets(IC50)	Apoptosis,LPA Receptor,LPL Receptor
In vitro	The high cell invasion activity of HT1080-M6 cells is significantly suppressed by H2L5186303[1].
In vivo	H2L5186303 shows strong suppressive efficacy when administered before OVA sensitization and challenge, such as suppression of airway hyper responsiveness, inflammatory cytokine levels, mucin production, and eosinophil numbers[2].

Solubility Information

Solubility	DMSO: 200 mg/mL (409.46 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	2.0473 mL	10.2365 mL	20.4729 mL
5 mM	0.4095 mL	2.0473 mL	4.0946 mL
10 mM	0.2047 mL	1.0236 mL	2.0473 mL
50 mM	0.0409 mL	0.2047 mL	0.4095 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

Takahashi K, et al. Lysophosphatidic acid receptor-2 (LPA2) and LPA5 regulate cellular functions during tumor progression in fibrosarcoma HT1080 cells. *Biochem Biophys Res Commun*. 2018 Sep 18;503(4):2698-2703.

Lee YJ, Im DS. Efficacy Comparison of LPA2 Antagonist H2L5186303 and Agonist GRI977143 on Ovalbumin-Induced Allergic Asthma in BALB/c Mice. *Int J Mol Sci*. 2022 Aug 28;23(17):9745.

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