

Autotaxin modulator 1

Chemical Properties

CAS No. : 1548743-69-6

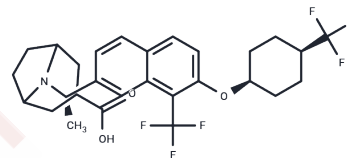
Formula: C₂₈H₃₁F₆NO₃

Molecular Weight: 543.54

Store at low temperature

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	Autotaxin modulator 1 (compound 12b) is an autotaxin (ATX) enzyme inhibitor applicable for studying demyelination and tumours.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 80 mg/mL (147.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (6.07 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8398 mL	9.199 mL	18.3979 mL
5 mM	0.368 mL	1.8398 mL	3.6796 mL
10 mM	0.184 mL	0.9199 mL	1.8398 mL
50 mM	0.0368 mL	0.184 mL	0.368 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

Guckian, Kevin, et al. Preparation of naphthalenes and isoquinolines as ATX modulating agents. WO 2014018881 A1 20140130.

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