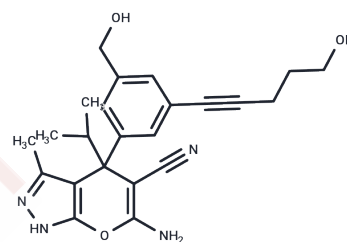


(Rac)-SHIN2

Chemical Properties

CAS No. :	2204289-53-0
Formula:	C ₂₃ H ₂₆ N ₄ O ₃
Molecular Weight:	406.48
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	(Rac)-SHIN2, a serine hydroxymethyltransferase (SHMT) inhibitor, enhances NOTCH1-driven in vivo survival of primary T-ALL in mice and is useful for studying T-cell acute lymphoblastic leukemia (T-ALL).
Targets(IC50)	Others, Antibacterial

Solubility Information

Solubility	DMSO: 80 mg/mL (196.81 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 (8.12 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	2.4601 mL	12.3007 mL	24.6015 mL
5 mM	0.492 mL	2.4601 mL	4.9203 mL
10 mM	0.246 mL	1.2301 mL	2.4601 mL
50 mM	0.0492 mL	0.246 mL	0.492 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

Mootha Vamsi, et al. Method of treating and preventing viral infection comprising inhibitors of folate or one-carbon metabolism pathways such as serine hydroxymethyltransferase inhibitors: World Intellectual Property Organization, WO2022120195[P]. 2022-06-09.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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