

STC-15

Chemical Properties

CAS No. : 2648257-56-9

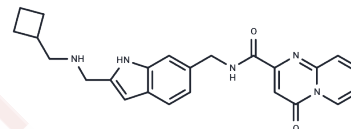
Formula: C₂₄H₂₅N₅O₂

Molecular Weight: 415.49

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	STC-15 is an orally active and potent METTL3 inhibitor with anticancer activity that inhibits cancer growth and induces anticancer immunity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (240.68 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 (7.94 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	2.4068 mL	12.034 mL	24.068 mL
5 mM	0.4814 mL	2.4068 mL	4.8136 mL
10 mM	0.2407 mL	1.2034 mL	2.4068 mL
50 mM	0.0481 mL	0.2407 mL	0.4814 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

Wesley Peter Blackaby, et al. Polyheterocyclic compounds as mettl3 inhibitors. Patent WO202111124A1.

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