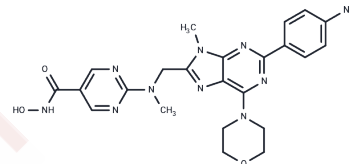


Purinostat

Chemical Properties

CAS No. :	1929583-17-4
Formula:	C ₂₃ H ₂₆ N ₁₀ O ₃
Molecular Weight:	490.518
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	Purinostat is a selective inhibitor of HDAC1/IIb with potential anti-leukemic properties. Its mesylate form, Purinostat mesylate, is effective at inhibiting the survival of Ph+ leukemic cells and CD34+ leukemic cells derived from CML patients. Purinostat mesylate targets HDAC1/IIb, impacting several crucial factors for leukemia stem cell (LSC) survival, such as c-Myc, β -Catenin, E2f, Ezh2, Alox5, and mTOR. Additionally, Purinostat mesylate enhances glutamate metabolism in LSCs by increasing GLS1.
Targets(IC50)	HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0387 mL	10.1933 mL	20.3865 mL
5 mM	0.4077 mL	2.0387 mL	4.0773 mL
10 mM	0.2039 mL	1.0193 mL	2.0387 mL
50 mM	0.0408 mL	0.2039 mL	0.4077 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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