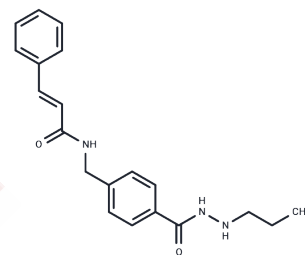


HDAC3 Inhibitor

Chemical Properties

CAS No. :	2044701-99-5
Formula:	C ₂₀ H ₂₃ N ₃ O ₂
Molecular Weight:	337.42
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	HDAC3 inhibitor is an allosteric inhibitor of histone deacetylase 3 (HDAC3; $K_i = 0.16$ nM). It is selective for HDAC3 over HDAC1 and HDAC2 (IC_{50} s = 0.95, 11.81, and 95.45 nM, respectively, using recombinant HDACs). In addition, it is selective for acute myeloid, monocytic, and lymphoblastic leukemia cell lines (EC_{50} s = 36.37, 76.64, and 151.7 nM, respectively) over chronic myeloid, acute promyelocytic, and acute lymphoblastic cells (EC_{50} s = 2,160, >10,000, and >10,000 nM, respectively).
Targets(IC_{50})	Others,HDAC

Solubility Information

Solubility	DMSO: 10 mg/mL (29.64 mM),Sonication is recommended. DMF: 10 mg/mL (29.64 mM),Sonication is recommended. Ethanol: 30 mg/mL (88.91 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	2.9637 mL	14.8183 mL	29.6367 mL
5 mM	0.5927 mL	2.9637 mL	5.9273 mL
10 mM	0.2964 mL	1.4818 mL	2.9637 mL
50 mM	0.0593 mL	0.2964 mL	0.5927 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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