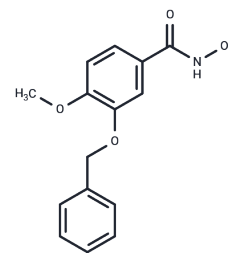


HDAC8-IN-20a

Chemical Properties

CAS No. :	1884231-52-0
Formula:	C ₁₅ H ₁₅ NO ₄
Molecular Weight:	273.28
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	HDAC8-IN-20a (HDAC8 inhibitor-20a) is a potent and selective HDAC8 inhibitor with an IC ₅₀ of 27 nM. HDAC8-IN-20a blocks activation of growth receptor survival signals.
Targets(IC ₅₀)	HDAC

Solubility Information

Solubility	DMSO: 22.5 mg/mL (82.33 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	3.6593 mL	18.2963 mL	36.5925 mL
5 mM	0.7319 mL	3.6593 mL	7.3185 mL
10 mM	0.3659 mL	1.8296 mL	3.6593 mL
50 mM	0.0732 mL	0.3659 mL	0.7319 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

Reis J, et al. Chromone as a Privileged Scaffold in Drug Discovery: Recent Advances. J Med Chem. 2017;60(19):7941-7957.

Heimburg T, et al. Structure-Based Design and Biological Characterization of Selective Histone Deacetylase 8 (HDAC8) Inhibitors with Anti-Neuroblastoma Activity. J Med Chem. 2017;60(24):10188-10204.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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