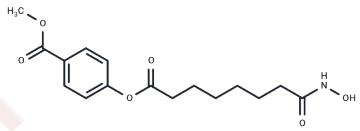
Data Sheet (Cat.No.T16729)

TargetMol

Remetinostat

Chemical Properties



CAS No. : 946150-57-8

Formula: C16H21NO6

Molecular Weight: 323.34

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	Remetinostat (SHP-141), a hydroxamic acid-based inhibitor of histone deacetylase enzymes, is currently being developed for the treatment of cutaneous T-cell lymphoma.
Targets(IC50)	HDAC

Solubility Information

Solubility	DMSO: 150 mg/mL (463.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0927 mL	15.4636 mL	30.9272 mL
5 mM	0.6185 mL	3.0927 mL	6.1854 mL
10 mM	0.3093 mL	1.5464 mL	3.0927 mL
50 mM	0.0619 mL	0.3093 mL	0.6185 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

Yijun Deng, et al. Process Development of the Soft Histone Deacetylate Enzyme Inhibitor SHP-141: Acylation of Methyl Paraben and Suberyl Hydroxamic Acid Formation. Org. Process Res. Dev. 2016, 20, 10, 1812-1820.
Jin L, Jiang Q, Huang H, et al.Topical histone Deacetylase Inhibitor Remetinostat improves IMQ-induced psoriatic dermatitis via suppressing dendritic cell maturation and keratinocyte differentiation and inflammation.European Journal of Pharmacology.2024: 177011.

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