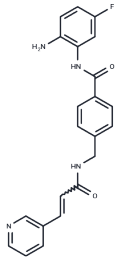
Data Sheet (Cat.No.T2025)

TargetMol

HDAC-IN-7

Chemical Properties



CAS No. : 743420-02-2

Formula: C22H19FN4O2

Molecular Weight: 390.41

Appearance: no data available

Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	HDAC-IN-7, an analogue of Tucidinostat (Chidamide), is a HDAC inhibitor. HDAC-IN-7 inhibits acetylation of histone protein H3 and induces apoptosis in human colon cancer cell lines[1].
Targets(IC50)	HDAC

Solubility Information

Solubility	DMSO: 55 mg/mL (140.88 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5614 mL	12.807 mL	25.6141 mL
5 mM	0.5123 mL	2.5614 mL	5.1228 mL
10 mM	0.2561 mL	1.2807 mL	2.5614 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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.

Reference

Liu L, et al. A novel histone deacetylase inhibitor Chidamide induces apoptosis of human colon cancer cells. Biochem Biophys Res Commun. 2010 Feb 5;392(2):190-5.

Chang Y Y, Wu H L, Fang H, et al. Comparison of three chemometric methods for processing HPLC-DAD data with time shifts: Simultaneous determination of ten molecular targeted anti-tumor drugs in different biological samples. Talanta. 2021, 224: 121798.

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