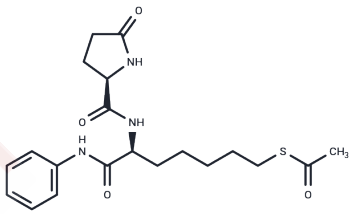
Data Sheet (Cat.No.T70692)

TargetMol

ST7612AA1

Chemical Properties



CAS No. : 1428535-92-5

Formula: C20H27N3O4S

Molecular Weight: 405.51

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	ST7612AA1 is a novel potent and oral HDCA inhibitor that acts as an HIV-1 latency reactivator. ST7612AA1 showed significant antitumor activity at low concentrations in vitro and in vivo. ST7612AA1 has potential anticancer activity and can be used to study malaria.
Targets(IC50)	HIV Protease,HDAC,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 55 mg/mL (135.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.466 mL	12.3302 mL	24.6603 mL
5 mM	0.4932 mL	2.466 mL	4.9321 mL
10 mM	0.2466 mL	1.233 mL	2.466 mL
50 mM	0.0493 mL	0.2466 mL	0.4932 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

Vesci L,et al. Preclinical antitumor activity of ST7612AA1: a new oral thiol-based histone deacetylase (HDAC) inhibitor. Oncotarget. 2015 Mar 20;6(8):5735-48.
Giannini G,et al. ST7612AA1, a thioacetate-ω(γ-lactam carboxamide) derivative selected from a novel generation of oral HDAC inhibitors. J Med Chem. 2014 Oct 23;57(20):8358-77.

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