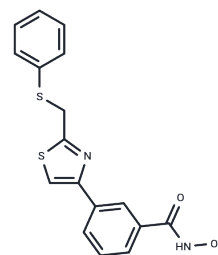


## HDAC8-IN-4

## Chemical Properties

CAS No. :	1600528-05-9
Formula:	C17H14N2O2S2
Molecular Weight:	342.44
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-4 is a selective HDAC8 inhibitor with IC50 values of 0.15 $\mu\text{M}$ for HDAC8 and 12 $\mu\text{M}$ for HDAC3 [1].
Targets(IC50)	HDAC
In vitro	HDAC8-IN-4 (Compound 9) reduces HDAC8 protein levels in HeLa cells at concentrations of 1-100 $\mu\text{M}$ over a period of 5-6 days [1]. Additionally, HDAC8-IN-4 inhibits the growth of T-cell lymphoma cells (Jurkat, HH, MT4, HUT78) at approximate concentrations of 0-50 $\mu\text{M}$ for 72 hours [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9202 mL	14.6011 mL	29.2022 mL
5 mM	0.584 mL	2.9202 mL	5.8404 mL
10 mM	0.292 mL	1.4601 mL	2.9202 mL
50 mM	0.0584 mL	0.292 mL	0.584 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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