

DS-103

Chemical Properties

CAS No. :

Formula: C28H33N5O3

Molecular Weight: 487.59

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	DS-103 is an HDAC inhibitor that targets HDAC1, HDAC2, HDAC3, HDAC6, and HDAC8 with IC50 values of 0.029, 0.123, 0.022, 0.367, and 9.26 μ M, respectively. It also inhibits the malignant malaria parasite [Plasmodium falciparum 3D7] with an IC50 of 5.08 μ M. In A2780 and Cal27 cells, DS-103 exhibits cytotoxicity with IC50 values of 1.48 μ M and 1.47 μ M, respectively, and reverses cisplatin resistance in these cells with IC50 values of 4.62 μ M and 2.23 μ M. DS-103 acts synergistically with cisplatin, enhancing apoptosis induced by cisplatin.
Targets(IC50)	HDAC,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0509 mL	10.2545 mL	20.509 mL
5 mM	0.4102 mL	2.0509 mL	4.1018 mL
10 mM	0.2051 mL	1.0255 mL	2.0509 mL
50 mM	0.041 mL	0.2051 mL	0.4102 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

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