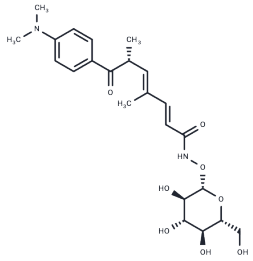
Data Sheet (Cat.No.T35825)

TargetMol

Trichostatin C

Chemical Properties



CAS No. : 68676-88-0

Formula: C23H32N2O8

Molecular Weight: 464.515

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	Trichostatin C is a glycosylated derivative of trichostatin A , the antifungal antibiotic that reversibly inhibits histone deacetylase. Trichostatin C is reported to be the first example of a glucopyranosyl hydroxamate identified in nature. It has been shown to induce the differentiation of a mouse erythroleukemia cell line and to increase histone H4 acetylation in B cells, though at higher concentrations than trichostatin A.
Targets(IC50)	Apoptosis,Others,HDAC,Antifungal

Solubility Information

Solubility	Ethanol: Soluble Methanol: Soluble DMSO: Soluble DMF: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1528 mL	10.7638 mL	21.5276 mL
5 mM	0.4306 mL	2.1528 mL	4.3055 mL
10 mM	0.2153 mL	1.0764 mL	2.1528 mL
50 mM	0.0431 mL	0.2153 mL	0.4306 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481