Data Sheet (Cat.No.T40603)

TargetMol

Dihydrochlamydocin

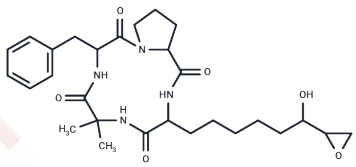
Chemical Properties

CAS No. : 52574-64-8

Formula: C28H40N4O6

Molecular Weight: 528.65

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	Dihydrochlamydocin, an inhibitor of histone deacetylases (HDAC), exhibits potent cytostatic activity against mastocytoma cells.
Targets(IC50)	Others,HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8916 mL	9.4581 mL	18.9161 mL
5 mM	0.3783 mL	1.8916 mL	3.7832 mL
10 mM	0.1892 mL	0.9458 mL	1.8916 mL
50 mM	0.0378 mL	0.1892 mL	0.3783 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

Degenkolb T, et al. Metabolites from nematophagous fungi and nematicidal natural products from fungi as an alternative for biological control. Part I: metabolites from nematophagous ascomycetes. Appl Microbiol Biotechnol. 2016;100(9):3799-3812.

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