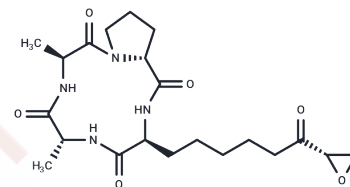


## HC Toxin

## Chemical Properties

CAS No. :	83209-65-8
Formula:	C <sub>21</sub> H <sub>32</sub> N <sub>4</sub> O <sub>6</sub>
Molecular Weight:	436.509
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	HC Toxin is a cell-permeable, reversible inhibitor of histone deacetylases (HDACs) (IC <sub>50</sub> = 30 nM). Through its effects on HDACs, HC toxin has been shown to up-regulate the expression of 15-lipoxygenase-1 in colorectal cancer cells and induce fetal hemoglobin in human primary erythroid cells. HC Toxin is a cyclic tetrapeptide first isolated from <i>H. carbonum</i> (now <i>C. carbonum</i> ), a pathogen of maize.
Targets(IC <sub>50</sub> )	Apoptosis,Others,HDAC

## Solubility Information

Solubility	Methanol: 10 mg/mL (22.91 mM),Sonication is recommended. DMSO: 10 mg/mL (22.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2909 mL	11.4545 mL	22.909 mL
5 mM	0.4582 mL	2.2909 mL	4.5818 mL
10 mM	0.2291 mL	1.1454 mL	2.2909 mL
50 mM	0.0458 mL	0.2291 mL	0.4582 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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