

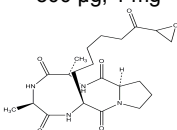
Product: HC Toxin

ALTERNATE NAME: (6R,9S,14aR)-3,6R-dimethyl-9S-(6-((S)-oxiran-2-yl)-6-oxohexyl)decahydropyrrolo[1,2-a][1,4,7,10]tetraazacyclododecine-1,4,7,10-tetranone; Toxin I (*Helminthosporium carbonum*)

CATALOG #: 2728-500, 1000

AMOUNT: 500 µg, 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₃₂N₄O₆

MOLECULAR WEIGHT: 436.50

CAS NUMBER: 83209-65-8

APPEARANCE: White solid

SOLUBILITY: DMSO

PURITY: ≥95%

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: HC Toxin is a cyclic tetrapeptide first isolated from *H. carbonum* (now *C. carbonum*), a pathogen of maize. It is a reversible inhibitor of histone deacetylases (HDACs) (IC₅₀ = 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.

REFERENCES: Datta, J., *et al.* (2009). *Cancer Res.* **69**, 4277-4285.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

ACY-1215 (Cat. No. 2629-5, 25)
 AR-42 (Cat. No. 2716-1,5)
 CBHA (Cat. No. 2284-5, 10)
 Chidamide (Cat. No. 2261-1, 5)
 CI-994 (Cat. No. 1742-10, 50)
 CUDC-101 (Cat. No. 1966-5, 25)
 Depudecin (Cat. No. 2087-100)
 DiscoveryPak™ HDAC Inhibitor Set (Cat. No. K851-6)
 DiscoveryPak™ HDAC Inhibitor Set II (Cat. No. K876-7)
 FK228 (Cat. No. 2447-1, 5)
 LAQ824 (Cat. No. 2634-1,5)
 M344 (Cat. No. 1701-1)
 MGCD0103 (Cat. No. 2633-10, 50)
 MS-275 (Entinostat, MS-275) (Cat. No. 1590-1,5)
 Nexturastat A (Cat. No. 2098-1)
 Nullscript (Cat. No. 2186-1)
 Oxamflatin (Cat. No. 2250-1, 5)
 Panobinostat (LBH589) (Cat. No. 1612-1,5)
 PCI 34051 (Cat. No. 2251-5, 25)
 PXD101 (Cat. No. 2480-5, 25)
 SAHA (Cat. No. 1604-1)
 SB 939 (Cat. No. 2285-1, 5)
 SBHA (Cat. No. 2202-50, 250)
 Sodium 4-phenylbutyrate (Cat. No. 1608-100,1000)
 Sodium Butyrate (Cat. No. 1609-1000)
 Splitomycin (Cat. No. 1610-5)
 Trichostatin A (Cat. No. 1606-1)
 Tubacin (Cat. No. 1984-250, 1000)
 Tubastatin A (Cat. No. 1724-1, 5)

FOR RESEARCH USE ONLY! Not to be used on humans.