PRODUCT: Chaetocin

ALTERNATE NAME: (3S,3'S,5aR,5aR,10bR,10'bR,11aS,11'aS)-2,2',3,3',5a,5'a,6,6'-octahydro-3,3'-bis(hydroxymethyl)-2,2'-dimethyl-[10b,10'b(1H,11H)-bi3,11a-epidithio-11aH-pyrazino[1',2':1,5]pyrrolo[2,3-b]indole]-1,1',4,4'-tetrone

CATALOG #: 2283-500

AMOUNT: 500 µg

STRUCTURE:

MOLECULAR FORMULA: C₃₀H₂₈N₆O₆S₄

MOLECULAR WEIGHT: 696.84

CAS NUMBER: 28097-03-2

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (~7 mg/ml)

PURITY: ≥95%

STORAGE: At -20°C. Protect from light and moisture

DESCRIPTION: A fungal mycotoxin that inhibits the histone lysine methyltransferase (HKMT) SU(VAR)3-9 (IC₅₀ = 0.8 µM). Inhibits other Lys9-specific HMTs, including G9a (IC₅₀ = 2.5 µM) and DIM5 (IC₅₀ = 3 µM). Selectivity for Lys9-HMTs is indicated by higher IC₅₀ values (>90 µM) for Lys20-specific PRSET7, Lys27-specific EZH2, and Lys4-specific SET7/9.


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

RELATED PRODUCTS:
- AMI-1 (Cat. No. 1943-5, 25)
- Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)
- BIX01294 (Cat. No. 1678-5, 25)
- Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, 5)
- EZSolution™ (+)-JQ1 (Cat. No. 2091-1)
- 3-Deazaneplanocin (Cat. No. 2060-250, 1000)
- GSK343 (Cat. No. 2281-1, 5)
- GSK126 (Cat. No. 2282-1, 5)
- Lomeguatrib (Cat. No. 2224-5, 25)
- RG108 (Cat. No. 1679-10, 30)
- UNC0638 (Cat. No. 1933-1, 5)
- Zebularine (Cat. No. 2225-1, 5)

USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans