

Chaetocin

Cat. No. CEI-0526

Lot. No. (See product label)

Introduction

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.

Product Information

Appearance Yellow solid

CAS No. 28097-03-2

Molecular Formula C₃₀H₂₈N₆O₆S₄

Chemical 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(11H,11'H)-bi3,11a-epidithio-11aH-pyrazino[1',2':1,5]pyrrolo[2,3-b]indole]-1,1',4,4'-tetrone

Molecular Weight 394.47

Purity >98

Targets SUV39H1

Solubility DMSO (100 mM)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack