



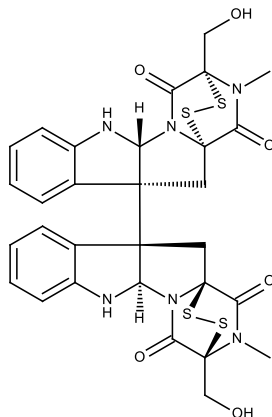
Catalog # 10-2404

Chaetocin

CAS# 28097-03-2

Isolated from *Chaetomium species*

Lot # X101623



Antimicrobial fungal metabolite. Selective inhibitor of lysine specific histone methyltransferase¹. Antimyeloma activity which has been linked to induction of oxidative stress and subsequent apoptosis².

- 1) Greiner *et al.* (2005), *Identification of a specific inhibitor of the histone methyltransferase SU(VAR)3-9*; Nat. Chem. Biol., **1** 143.
- 2) Isham *et al.* (2007), *Chaetocin: a promising new antimyeloma agent with in vitro and in vivo activity mediated via imposition of oxidative stress*; Blood, **109** 2579

PHYSICAL DATA

Molecular Weight: 696.85
Molecular Formula: C₃₀H₂₈N₆O₆S₄
Purity: 98%
Solubility: DMSO (up to 25 mg/ml) or ethanol (up to 25 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied at -20°C for up to one year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months

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