Chaetocin

Methyltransferase inhibitor

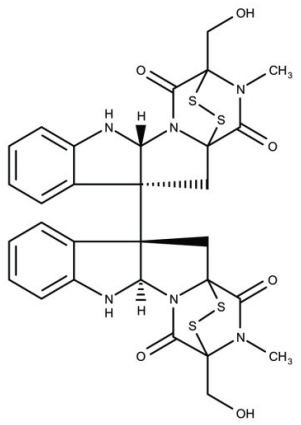
Chaetocin, an antitumor antibiotic, is a thiodioxopiperazine natural product produced by *Chaetomium* species. Specific inhibitor of the lysine-specific methyltransferase SU (VAR)3-9 both *in vitro* and *in vivo*. It displays potent antimyeloma activity in IL-6-dependent myeloma cell lines. Its antimyeloma activity appears to be due to induction of oxidative stress and consequent apoptosis.

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Ordering Information Order Online »

BML-GR349-0200	200µg

Manuals, SDS & CofA View Online »


OH
O
CH3
S
N
S
H
H
N
N
O
O
S
N
S
H
H
N
N
O
CH3
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Short Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to off-white solid.
CAS	28097-03-2
Couple Target	Methyltransferase
Couple Type	Inhibitor
Formula	$C_{30}H_{28}N_6O_6S_4$
MW	696.9
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO.
Source	Isolated from *Chaetomium sp.*

Last modified: May 29, 2024

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