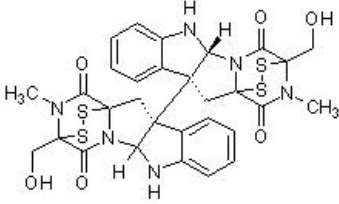


## Product datasheet

# Chaetocin, histone lysine methyltransferase inhibitor ab144534

[3 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Chaetocin, histone lysine methyltransferase inhibitor
<b>Description</b>	Lysine-specific methyltransferase inhibitor
<b>Purity</b>	> 98%
<b>CAS Number</b>	28097-03-2
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	(3 <i>S</i> ,3' <i>S</i> ,5 <i>aR</i> ,5 <i>aR</i> ,10 <i>bR</i> ,10' <i>bR</i> ,11 <i>aS</i> ,11' <i>aS</i> )-2,2',3,3',5 <i>a</i> ,5' <i>a</i> ,6,6'-Octahydro-3,3'-bis(hydroxymethyl)-2,2'-dimethyl-[10 <i>b</i> ,10' <i>b</i> (11 <i>H</i> ,11' <i>H</i> )-bi3,11 <i>a</i> -epidithio-11 <i>aH</i> -pyrazino[1',2':1,5]pyrrolo[2,3- <i>b</i> ]indole]-1,1',4,4'-tetrone
<b>Molecular weight</b>	696.83
<b>Molecular formula</b>	C <sub>30</sub> H <sub>28</sub> N <sub>6</sub> O <sub>6</sub> S <sub>4</sub>
<b>PubChem identifier</b>	161591
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 10 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked</a></p>

[questions \(FAQ\) page](#) for more details.

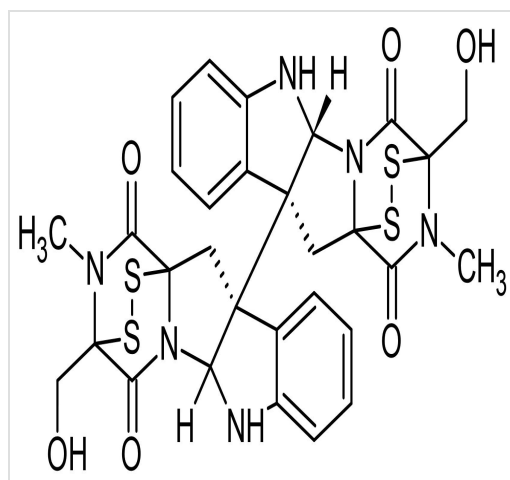
**SMILES**

CN1C(=O)C23CC4(C(N2C(=O)C1(SS3)CO)NC5=CC=CC=C54)C67CC89C(=O)N(C(C(=O)N8C6NC1=CC=CC=C71)(SS9)CO)C

**Source**

Synthetic

**Images**



2D chemical structure image of ab144534, Chaetocin, histone lysine methyltransferase inhibitor

Chemical Structure - Chaetocin, histone lysine methyltransferase inhibitor (ab144534)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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