1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{30}H_{28}N_6O_6S_4 \)
Batch Molecular Weight: 696.84
Physical Appearance: White solid
Solubility: DMSO to 10 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows >99% purity
Product Name: Chaetocin
Catalog No.: 4504
Batch No.: 6

CAS Number: 28097-03-2
IUPAC Name: (3'S,3'S,5aR,5aR,10bR,10'bR,11a'S,11'a'S)-2,2',3,3',5a,5'a,6,6'-octahydropyrazino[1',2':1,5]pyrrolo[2,3-b]indole-1,1',4,4'-tetrone

Description:
Histone methyltransferase SUV39H1 inhibitor (IC\textsubscript{50} = 0.8 \mu M).
Induces apoptosis in myeloma cell lines in vitro; exhibits antiproliferative activity in a mouse myeloma model in vivo.

Physical and Chemical Properties:
- Batch Molecular Formula: C\textsubscript{30}H\textsubscript{38}N\textsubscript{6}O\textsubscript{6}S\textsubscript{4}
- Batch Molecular Weight: 696.84
- Physical Appearance: White solid

Minimum Purity: >99%

Storage: Store at -20°C

Solubility & Usage Info:
- DMSO to 10 mM

Stability and Solubility Advice:
- Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
- Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
  - SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
  - SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: