Hello Bio. Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Cyclopamine

Product overview

Name Cyclopamine HB2965 Cat No **Biological action** Inhibitor >98% **Purity**

Description Smo and hedgehog (Hh) signaling inhibitor. Also depletes stem like cancer cells and induces hESCs

into endocrine cells.

Biological Data

Biological description Smo Inhibitor and hedgehog (Hh) signaling inhibitor. Depletes stem like cancer cells and induces

hESCs into endocrine cells. Blocks abnormal cell growth associated with fibroblast Ptch and Smo oncogenic mutations. Also induces apoptosis and arrests cell cycle at G0/G1 phase and depletes stem

like cancer cells. Shows anticancer activity.

Solubility & Handling

Storage instructions Storage of solutions

+4°C

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Stable for ambient temperature shipping. Follow storage instructions on receipt.

Shipping Conditions Important

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name (2'R,3S,3'R,3'aS,6'S,6aS,6bS,7'aR,11aS,11bR)-1,2,3,3'a,4,4',5',6,6',6a,6b,7,7',7'a,8,11,11a,11b-

Octadecahydro-3',6',10,11b-tetramethylspiro[9H-benzo[a]fluorene-9,2'(3'H)-furo[3,2-b]pyridin]-3-ol

Molecular Weight 411.6

Chemical structure

 $C_{27}H_{41}NO_{2}$

Molecular Formula **CAS Number PubChem identifier**

4449-51-8 442972

SMILES O[C@H](C2)CC[C@@]1(C)C2=CC[C@]([C@@]([H])3CC[C@@]54O[C@@](C[C@H](C)CN6)([H])[

C@]6([H])[C@H]5C)([H])[C@@]([H])1CC3=[C@@]4C

QASFUMOKHFSJGL-LAFRSMQTSA-N InChiKey

White to off-white solid **Appearance**