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DATASHEET

Cyclopamine

Product overview

Name	Cyclopamine
Cat No	HB2965
Biological action	Inhibitor
Purity	>98%
Description	Smo and hedgehog (Hh) signaling inhibitor. Also depletes stem like cancer cells and induces hESCs into endocrine cells.

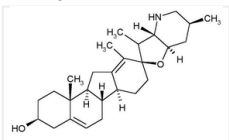
Biological Data

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.
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Solubility & Handling

Storage instructions	+4 °C
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	
Molecular Formula	C ₂₇ H ₄₁ NO ₂
CAS Number	4449-51-8
PubChem identifier	442972
SMILES	<chem>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</chem>
InChiKey	QASFUMOKHFSJGL-LAFRSMQTSA-N
Appearance	White to off-white solid