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# DATASHEET

## Cyclopamine

### Product overview

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

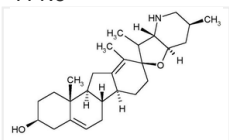
### Biological Data

<b>Biological description</b>	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

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	(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
<b>Molecular Weight</b>	411.6
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>41</sub> NO <sub>2</sub>
<b>CAS Number</b>	4449-51-8
<b>PubChem identifier</b>	442972
<b>SMILES</b>	<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>
<b>InChiKey</b>	QASFUMOKHFSJGL-LAFRSMQTSA-N
<b>Appearance</b>	White to off-white solid