

**PRODUCT: Cyclopamine**

<b>CATALOG #:</b>	1578-5
<b>AMOUNT:</b>	5mg
<b>LOT #:</b>	_____
<b>ALTERNATE NAME:</b>	11-Deoxyjervine
<b>CAS #:</b>	4449-51-8
<b>MOLECULAR FORMULA:</b>	C <sub>27</sub> H <sub>41</sub> NO <sub>2</sub>
<b>MOLECULAR WEIGHT:</b>	411.62
<b>PURITY:</b>	≥99%
<b>APPEARANCE:</b>	Off-white solid
<b>SOLUBILITY:</b>	Soluble in Ethanol
<b>STORAGE CONDITIONS:</b>	-20°C in the dark. Do not expose to sunlight or fluorescent lights for extended periods.

**BACKGROUND:** Cyclopamine blocks activation of the Hedgehog response pathway associated with mutations that either activate the proto-oncogene Smoothed (Smo) or inactivate the tumour suppressor Patched (Ptch) both of which encode multipass transmembrane proteins. Furthermore, it has been demonstrated that the inhibitory effect of cyclopamine results from its direct binding to the Smo heptahelical protein bundle

**CAUTION:** Do not ingest, swallow, or inhale. Do not get in eyes or on skin. Care should be taken to prevent contact through all routes of exposure.

**USAGE: For Research Use Only! Not to be used in human.**

**FEATURED PRODUCTS:**

## Apoptosis Detection Kits &amp; Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers & Inhibitors
- Apoptosis siRNA Vectors

## Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

## Cell Proliferation &amp; Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

## Cell Damage &amp; Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

## Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

## Adipocyte &amp; Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Cholesterol Quantification Kit

## Molecular Biology &amp; Reporter Assays

- siRNA Vectors