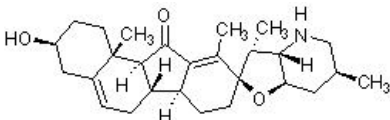


Product datasheet

Jervine, Hedgehog (Hh) signaling inhibitor ab120815

2 Images

Overview

Product name	Jervine, Hedgehog (Hh) signaling inhibitor
Description	Smoothened inhibitor
Biological description	Smoothened inhibitor (IC ₅₀ = 500-700 nM). Steroidal alkaloid. Prevents hedgehog signaling and therefore Gli1 transcription.
Purity	> 98%
CAS Number	469-59-0
Chemical structure	

Properties

Chemical name	(3β,23β)-17,23-Epoxy-3-hydroxyveratraman-11-one
Molecular weight	425.61
Molecular formula	C ₂₇ H ₃₉ NO ₃
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 10 mM and in ethanol to 10 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	<i>Veratrum nigrum</i> L.

Applications

Applications

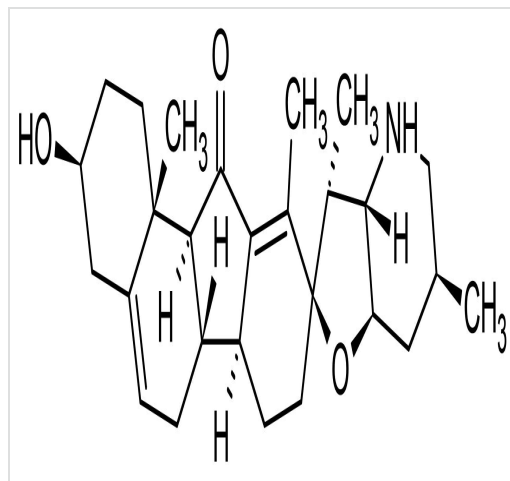
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120815 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

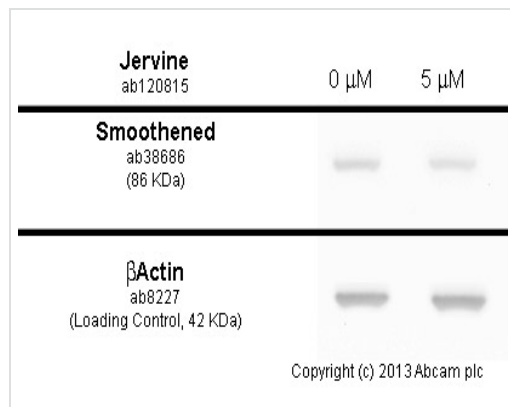
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Chemical Structure - Jervine, Hedgehog (Hh)
signaling inhibitor (ab120815)

2D chemical structure image of ab120815, Jervine, Hedgehog (Hh)
signaling inhibitor



Functional Studies - Jervine, Hedgehog (Hh)
signaling inhibitor (ab120815)

NIH-3T3 cells were incubated at 37°C for 7h with vehicle control (0 μM) and 5 μM of jervine (ab120815) in DMSO. Decreased expression of smoothed ([ab38686](#)) in NIH-3T3 cells correlates with an increase in jervine concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 20 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 3% milk before being incubated with [ab38686](#) at 1 μg /ml and [ab8227](#) at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP ([ab97051](#)) at 1/10000 dilution and visualised using ECL development solution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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