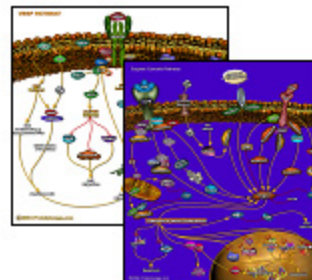
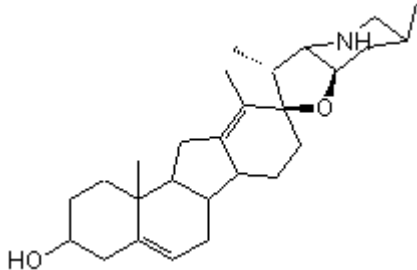


Data Sheet 239803 Rev. 26-January-07 RFH

Cyclopamine, *V. californicum* Cat. No. 239803



Note that this data sheet is not lot-specific and is representative of the current specifications for this product. Please consult the vial label and the certificate of analysis for information on specific lots. Also note that shipping conditions may differ from storage conditions. Full details are available at www.calbiochem.com.

Size:	1 mg
Description:	A cell-permeable, steroidal alkaloid and cholesterol mimic that displays both teratogenic and anti-tumor properties. Disrupts cholesterol biosynthesis and specifically antagonizes shh (Sonic Hedgehog) signaling through direct interaction with Smo (smoothed), a protein that is related to G-protein-coupled receptors. Useful for studying the involvement of shh signaling in the development of various tumors. Tomatidine (Cat. No. 614350) can be used as a negative control.
Form:	White solid. Packaged under inert gas.
CAS Number	4449-51-8
RTECS:	GY0750000
Molecular Weight:	411.6
Molecular Formula:	$C_{27}H_{41}NO_2$
Structure:	
Purity:	≥97% by HPLC
Solubility:	DMSO (4 mg/ml), Ethanol (5 mg/ml), or DMF (10 mg/ml). Ethanol stock solutions may require warming to achieve complete solubilization.
Storage:	FREEZER (-20°C). Protect from light. Following reconstitution aliquot and freeze (-20°C). Stock solutions are stable for up to 3 months at -20°C.
Toxicity:	MSDS available upon request.
References:	Berman, D.M., et al. 2003. <i>Nature</i> , 425 , 846. Thayer, S.P., et al. 2003. <i>Nature</i> , 425 , 851. Watkins, D.N., et al. 2003. <i>Nature</i> 422 , 313. Chen, J.K., et al. 2002. <i>Proc. Natl. Acad. Sci. USA</i> 99 , 14071.

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