

CERTIFICATE OF ANALYSIS

PRODUCT:	Cyclopamine From <i>Veratrum californicum</i> C ₂₇ H ₄₁ NO ₂ , M.W. 411.62, CAS# [4449-51-8]
PRODUCT NUMBER:	C-1405
LOT NUMBER:	F1279
APPEARANCE:	White powder
SOLUBILITY:	May be dissolved in DMSO (4mg/ml); or ethanol (20mg/ml)
PURITY (TLC):	99%
MELTING POINT:	227-230°C
PRODUCT INFORMATION:	A naturally occurring steroidal alkaloid with teratogenic activity. Blocks sonic hedgehog signaling by binding to smoothed. Attenuates Inflammation and articular cartilage damage in an adjuvant-induced arthritis rat model. Decreases the expression of sonic hedgehog and its downstream genes in colon cancer stem cells. Modulates γ -secretase-mediated cleavage of amyloid precursor protein by altering its subcellular trafficking and lysosomal degradation. Cell permeable. SPECIAL HANDLING PRECAUTIONS: <u>This product is teratogenic. Pregnant women should not handle this compound.</u>
STORAGE & HANDLING:	Store at -20°C. PROTECT FROM LIGHT! <u>WARNING:</u> HARMFUL! MAY BE TERATOGENIC!

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: EV