

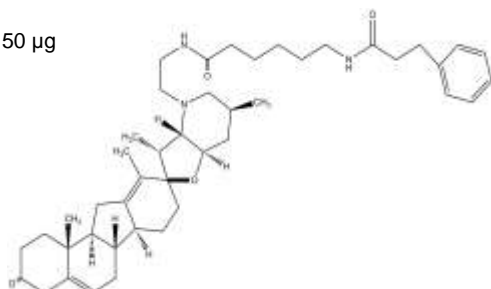
Cyclopamine-KAAD

ALTERNATE NAME: 3-Keto-N-(aminoethyl-N'-aminocaproyldihydrocinnamoyl)cyclopamine; KAAD-cyclopamine

CATALOG #: 1910-50

AMOUNT: 50 µg

STRUCTURE:



MOLECULAR FORMULA: C₄₄H₆₃N₃O₄

MOLECULAR WEIGHT: 697.99

CAS NUMBER: 306387-90-6

APPEARANCE: Pale yellow solid

SOLUBILITY: DMSO or EtOH

PURITY: ≥80% by HPLC

STORAGE: Store at -20°C

DESCRIPTION: Cell-permeable. A synthetic derivative of the natural product Cyclopamine (Cat. No. 1578-5) that acts as a specific inhibitor of Smoothed (Smo) and Sonic hedgehog (Shh) intracellular signaling (IC₅₀ = 20 nM in the Shh-LIGHT2 assay).

REFERENCE: Chen, J.K., *et al.* (2002). *Genes & Dev.* **16**, 2743-2748; Chen, J.K., *et al.* (2002). *Proc. Natl. Acad. Sci. USA* **99**, 14071-140756.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Cyclopamine (Cat. No. 1578-5)
- GANT58 (Cat. No. 1812-5, 25)
- GANT61 (Cat. No. 1892-5)
- GDC-0449 (Cat. No. 1890-5, 25)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- JK-184 (Cat. No. 1726-1)
- Purmorphamine (Cat. No. 1672-5)
- Tomatidine hydrochloride (Cat. No. 1893-25)