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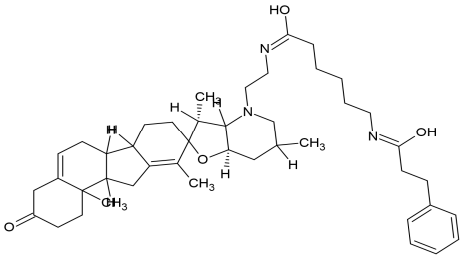
Cyclopamine-KAAD

ALTERNATE NAME: *N*-[2-(3',6',10,11*b*-tetramethyl-3-oxospiro[1,2,4,6,6*a*,6*b*,7,8,11,11*a*-decahydrobenzo[a]fluorene-9,2'-3,3*a*,5,6,7,7*a*-hexahydrofuro[3,2-b]pyridine]-4'-yl)ethyl]-6-(3-phenylpropanoylamino)hexanamide

CATALOG #: AUR10229

STRUCTURE:



MOLECULAR FORMULA: $C_{44}H_{63}N_3O_4$

MOLECULAR WEIGHT: 698.0

CAS#: 306387-90-6

APPEARANCE: Pale yellow solid

SOLUBILITY: DMSO or EtOH

PURITY: ≥80% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Cell-permeable. Cyclopamine-KAAD is a potent inhibitor of hedgehog signaling with an IC_{50} value of 20 nM in a Shh-LIGHT2 assay. It blocks binding of BODIPY-cyclopamine to cells expressing Smoothened (Smo) in a dose-dependent manner.

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