

Jervine, Hedgehog inhibitor

Catalog	Unit
TBI2388-5MG	5 mg
TBI2388-25MG	25 mg

Product Details

Formal Name: (3 β ,23 β)-17,23-Epoxy-3-hydroxyveratraman-11-one

Alternate Names: 11-Ketocyclopamine

Molecular Formula: C₂₇H₃₉NO₃

Formula Weight: 425.60

CAS Number: 469-59-0

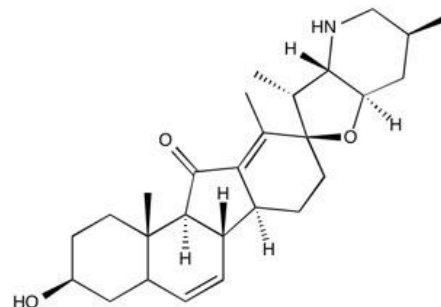
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 5 mg/ml), in DMF (up to 6 mg/ml), or in Ethanol (up to 20 mg/ml).

Storage: -20°C

Stability: \geq 2 years.



Applications

Hedgehog inhibitor

Functions

Inhibitor of Hedgehog signaling (IC₅₀ = 0.5-0.7 μ M). Binds directly to Smoothed (Smo). Inhibits the response of target tissues to Sonic hedgehog signaling. Induces COX-2 overexpression in human erythroleukemia cells.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml), in DMF (up to 6 mg/ml), or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO, ethanol or DMF may be stored at -20° for up to 3 months.

For research use only.