

Product Data Sheet

Product Name: Cycloposine

Cat. No.: GC63512

Chemical Properties

Cas. No. 23185-94-6

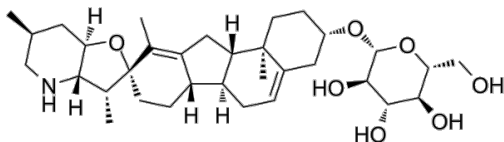
Formula $C_{33}H_{51}NO_7$ M.Wt 573.76

Solubility DMSO : 46.67 mg/mL (81.34 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Cycloposine is a steroidal alkaloid that can be found in the roots and rhizomes of *Veratrum californicum*. Cycloposine is also a teratogenic compound[1].

Cycloposine produces fetal cyclopia and related central nervous system malformations in sheep[2].

[1]. Chandler CM, et, al. Improved extraction and complete mass spectral characterization of steroidal alkaloids from *Veratrum californicum*. *Nat Prod Commun.* 2013 Aug;8(8):1059-64.

[2]. Keeler RF. Teratogenic compounds of *Veratrum californicum* (Durand). VII. The structure of the glycosidic alkaloid cycloposine. *Steroids.* 1969 May;13(5):579-88.

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