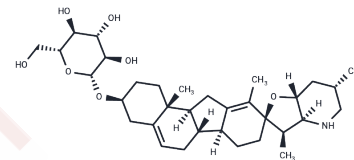


Cycloposine

Chemical Properties

CAS No. :	23185-94-6
Formula:	C ₃₃ H ₅₁ N ₀ O ₇
Molecular Weight:	573.771
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cycloposine, a steroidal alkaloid present in the roots and rhizomes of <i>Veratrum californicum</i> , is known to possess teratogenic properties.
Targets(IC50)	Others
In vitro	Cycloposine causes cyclopia (fetal cyclopia) and associated malformations in the central nervous system of sheep[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7429 mL	8.7143 mL	17.4286 mL
5 mM	0.3486 mL	1.7429 mL	3.4857 mL
10 mM	0.1743 mL	0.8714 mL	1.7429 mL
50 mM	0.0349 mL	0.1743 mL	0.3486 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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.
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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