

Solanidine

Chemical Properties

CAS No. : 80-78-4

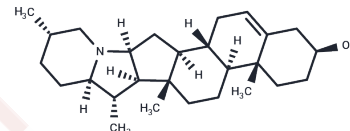
Formula: C₂₇H₄₃NO

Molecular Weight: 397.64

Store at low temperature

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	Solanidine, a cholestane alkaloid isolated from potato species [Solanum spp.], exhibits antitumor effects by inhibiting cell proliferation.
Targets(IC50)	Others,DNA/RNA Synthesis,MDM-2/p53

Solubility Information

Solubility	Ethanol: 3.2 mg/mL (8.05 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5148 mL	12.5742 mL	25.1484 mL
5 mM	0.503 mL	2.5148 mL	5.0297 mL
10 mM	0.2515 mL	1.2574 mL	2.5148 mL
50 mM	0.0503 mL	0.2515 mL	0.503 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

Zhang ZD, et al. Synthesis of Demissidine and Solanidine.Org Lett. 2016 Jun 17;18(12):3038-40.

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