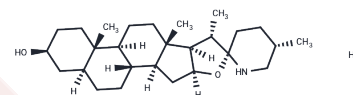


TOMATIDINE HYDROCHLORIDE

Chemical Properties

CAS No. :	6192-62-7
Formula:	C ₂₇ H ₄₆ ClNO ₂
Molecular Weight:	452.11
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	Tomatidine hydrochloride (Tomatidine HCl) is a steroidal alkaloid structurally similar to Cyclopamine but does not inhibit hedgehog pathway. May be used as a negative control for Cyclopamine and KAAD-Cyclopamine. Tomatidine protects against muscle atrophy and boosting muscle growth.
Targets(IC50)	NF-κB, Endogenous Metabolite, Autophagy, JNK

Solubility Information

Solubility	Methanol: 12.5 mg/mL (27.65 mM), Sonication is recommended. DMSO: 1.67 mg/mL (3.69 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2119 mL	11.0593 mL	22.1185 mL
5 mM	0.4424 mL	2.2119 mL	4.4237 mL
10 mM	0.2212 mL	1.1059 mL	2.2119 mL
50 mM	0.0442 mL	0.2212 mL	0.4424 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

Watkins, D.N., et al.: Nature, 422, 313 (2003); Chem. and Eng. News p 27, May 5 (2014)

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