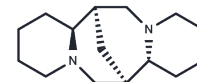


Sparteine sulfate

Chemical Properties

CAS No. :	299-39-8
Formula:	C ₁₅ H ₂₈ N ₂ O ₄ S
Molecular Weight:	332.46
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	Sparteine sulfate (Tocosimplex) is a class 1a antiarrhythmic agent and a sodium channel blocker. It can chelate the bivalents calcium and magnesium.
Targets(IC50)	AChR,Sodium Channel

Solubility Information

Solubility	H ₂ O: Soluble, DMSO: 10 mM,Sonication is recommended. Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0079 mL	15.0394 mL	30.0788 mL
5 mM	0.6016 mL	3.0079 mL	6.0158 mL
10 mM	0.3008 mL	1.5039 mL	3.0079 mL
50 mM	0.0602 mL	0.3008 mL	0.6016 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

Silva MR, et al. Genet Mol Res. 2014 Dec 12;13(4):10510-7.

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