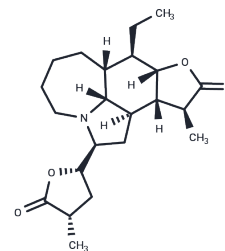


Tuberostemonine

Chemical Properties

CAS No. :	6879-01-2
Formula:	C ₂₂ H ₃₃ N ₂ O ₄
Molecular Weight:	375.50
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	1. Tuberostemonine (Tuberstemonine) exhibits relatively higher intestinal permeabilities. 2. Tuberostemonine acts in part as an open-channel blocker at the crayfish neuromuscular junction.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 68.00 mg/mL (181.09 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (6.66 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6631 mL	13.3156 mL	26.6312 mL
5 mM	0.5326 mL	2.6631 mL	5.3262 mL
10 mM	0.2663 mL	1.3316 mL	2.6631 mL
50 mM	0.0533 mL	0.2663 mL	0.5326 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

Zhou X , Leung P H H , Li N , et al. Oral Absorption and Antitussive Activity of Tuberostemonine Alkaloids from the Roots of

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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