

L-Praziquanamine

Chemical Properties

CAS No. :	99746-73-3
Formula:	C ₁₂ H ₁₄ N ₂ O
Molecular Weight:	202.25
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	L-Praziquanamine is a high-purity biochemical reagent used in biochemical experiments and pharmaceutical synthesis research.
Targets(IC50)	Others
In vitro	L-Praziquanamine, the enantiomer of praziquanamine, exhibits parasitocidal activity against <i>Schistosoma</i> spp., including <i>Schistosoma japonicum</i> . This compound disrupts calcium homeostasis (Ca ²⁺), leading to muscle contraction, tegumental damage, and ultimately the death of the parasite. Therefore, L-Praziquanamine holds potential as a therapeutic agent for schistosomiasis treatment.

Solubility Information

Solubility	DMSO: 80 mg/mL (395.55 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	4.9444 mL	24.7219 mL	49.4438 mL
5 mM	0.9889 mL	4.9444 mL	9.8888 mL
10 mM	0.4944 mL	2.4722 mL	4.9444 mL
50 mM	0.0989 mL	0.4944 mL	0.9889 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

Wang Q, et al. Brain microdialysate, CSF and plasma pharmacokinetics of ligustrazine hydrochloride in rats after intranasal and intravenous administration. Biopharm Drug Dispos. 2013 Oct;34(7):417-22.

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