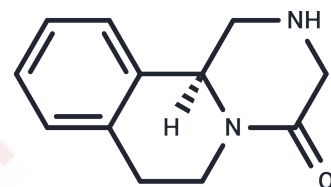


L-Praziquanamine

Chemical Properties

CAS No. :	99746-73-3
Formula:	C ₁₂ H ₁₄ N ₂ O
Molecular Weight:	202.25
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	L-Praziquanamine, a natural product (NP), is an important chemical compound known for its various therapeutic applications.
Targets(IC50)	Others
In vitro	L-Praziquanamine, the enantiomer of praziquanamine, exhibits parasiticidal activity against Schistosoma spp., including Schistosoma japonicum. 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.

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

Yao Xue Xue Bao. [Determination of the optical purity of praziquanamine by reversed phase HPLC after derivatization with GITC]. Yao Xue Xue Bao. 1993;28(6):450-4.

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