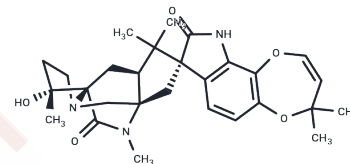


Paraherquamide A

Chemical Properties

CAS No. :	77392-58-6
Formula:	C ₂₈ H ₃₅ N ₃ O ₅
Molecular Weight:	493.604
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	Paraherquamide A is a mycotoxin anthelmintic originally isolated from <i>P. paraherquei</i> . It binds to acetylcholine receptors (IC ₅₀ = 0.5 nM for head homogenates of <i>M. domestica</i>) and acts as an antagonist. Paraherquamide A is toxic to <i>C. elegans</i> (LD ₅₀ = 2.5 µg/ml) and effective against <i>T. colubriformis</i> infection in gerbils when used at doses ranging from 0.39 to 200 mg/kg. It is toxic to mice (LD ₅₀ = 14.9 mg/kg).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: Soluble Methanol: Soluble DMF: Soluble 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	2.0259 mL	10.1297 mL	20.2593 mL
5 mM	0.4052 mL	2.0259 mL	4.0519 mL
10 mM	0.2026 mL	1.013 mL	2.0259 mL
50 mM	0.0405 mL	0.2026 mL	0.4052 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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