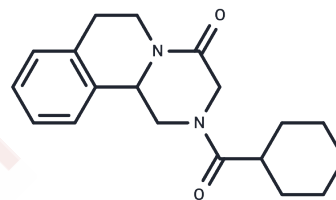


Praziquantel

Chemical Properties

CAS No. :	55268-74-1
Formula:	C ₁₉ H ₂₄ N ₂ O ₂
Molecular Weight:	312.41
Appearance:	no data available
Storage:	store at low temperature, keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Praziquantel (Droncit) increases the permeability of the tegument of susceptible worms, resulting in an influx and increase in intra-tegumental calcium leading to rapid contractions and paralysis of the worm's musculature through a subsequent increase in levels of calcium in the sarcoplasmic reticulum. Praziquantel is a pyrazinoisoquinoline derivative with anthelmintic property. In addition, vacuolization of the tegumental syncytium and blebbing results in tegument disintegration, leads to antigen exposure and elicit host defense responses to the worm.
Targets(IC50)	Calcium Channel, Antibiotic, Parasite

Solubility Information

Solubility	DMSO: 70 mg/mL (224.06 mM), Sonication is recommended. Ethanol: 59 mg/mL (188.85 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	3.2009 mL	16.0046 mL	32.0092 mL
5 mM	0.6402 mL	3.2009 mL	6.4018 mL
10 mM	0.3201 mL	1.6005 mL	3.2009 mL
50 mM	0.064 mL	0.3201 mL	0.6402 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.

Reference

Doenhoff MJ, et al. Curr Opin Infect Dis. 2008 Dec;21(6):659-67.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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