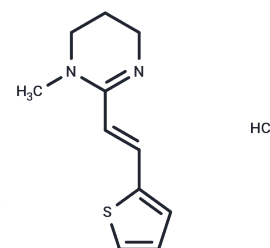


Pyrantel hydrochloride

Chemical Properties

CAS No. :	26155-20-4
Formula:	C ₁₁ H ₁₅ ClN ₂ S
Molecular Weight:	242.77
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	Pyrantel hydrochloride is the hydrochloride form of Pyrantel. Pyrantel is a pyrimidine derivative. Pyrantel is an orally available drug for the treatment of a wide range of parasitic infections. Pyrantel acts as a depolarizing neuromuscular blocking agent. It acts as a nicotinic acetylcholine receptor (nAChR) agonist for nematodes. The neuromuscular depolarization of Pyrantel causes paralysis in worms.
Targets(IC50)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1191 mL	20.5956 mL	41.1913 mL
5 mM	0.8238 mL	4.1191 mL	8.2383 mL
10 mM	0.4119 mL	2.0596 mL	4.1191 mL
50 mM	0.0824 mL	0.4119 mL	0.8238 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

- Martin RJ, et al. Oxantel is an N-type (methyridine and nicotine) agonist not an L-type (levamisole and pyrantel) agonist: classification of cholinergic anthelmintics in *Ascaris*. *Int J Parasitol*. 2004 Aug;34(9):1083-90.
- Tritten L, et al. In vitro and in vivo efficacy of Monepantel (AAD 1566) against laboratory models of human intestinal nematode infections. *PLoS Negl Trop Dis*. 2011 Dec;5(12):e1457.

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