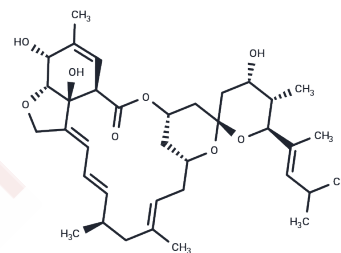


Nemadectin

Chemical Properties

CAS No. :	102130-84-7
Formula:	C ₃₆ H ₅₂ O ₈
Molecular Weight:	612.79
Storage:	Keep away from moisture 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	Nemadectin is a macrolide antiparasitic compound produced by the fermentation of actinomycetes. It interferes with neural signal transmission by acting on glutamate-gated chloride channels (GluCl), thereby causing paralysis and death in nematodes and arthropods. Nemadectin possesses anthelmintic activity and serves as a lead compound or related natural product for various anthelmintic drugs.
Targets(IC50)	Antibiotic,Parasite

Solubility Information

Solubility	DMSO: 100.00 mg/mL (163.19 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	1.6319 mL	8.1594 mL	16.3188 mL
5 mM	0.3264 mL	1.6319 mL	3.2638 mL
10 mM	0.1632 mL	0.8159 mL	1.6319 mL
50 mM	0.0326 mL	0.1632 mL	0.3264 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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