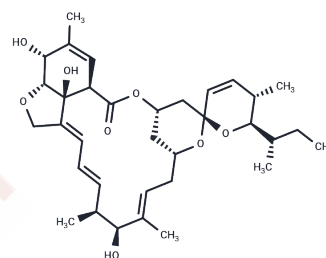


Avermectin B1a aglycone

Chemical Properties

CAS No. :	71828-14-3
Formula:	C ₃₄ H ₄₈ O ₈
Molecular Weight:	584.75
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	Avermectin B1a aglycone is an aglycone form of the anthelmintic and insecticide avermectin B1a . It hyperpolarizes <i>P. crassipes</i> muscle fibers with a minimum active concentration (MAC) value of 0.1 μ M. Avermectin B1a aglycone decreases survival of <i>C. elegans</i> (MAC = 0.1 μ M).
Targets(IC50)	Others,Parasite
In vivo	In vivo, avermectin B1a aglycone prevents seizures induced by pentylenetetrazole in mice (ED50 = 43.9 mg/kg) without inducing deficits in rotarod performance.

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7101 mL	8.5507 mL	17.1013 mL
5 mM	0.342 mL	1.7101 mL	3.4203 mL
10 mM	0.171 mL	0.8551 mL	1.7101 mL
50 mM	0.0342 mL	0.171 mL	0.342 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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