

## Ivermectin B1a aglycone

## Chemical Properties

CAS No. :	73162-95-5
Formula:	C <sub>34</sub> H <sub>50</sub> O <sub>8</sub>
Molecular Weight:	586.77
Storage:	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	Ivermectin B1a aglycone is a degradation product generated by acid hydrolysis of the disaccharide structure of ivermectin. It inhibits the growth and development of nematode larvae without causing paralytic effects.
Targets(IC50)	Parasite

## Solubility Information

Solubility	Methanol: Soluble DMSO: Soluble DMF: Soluble Ethanol: Soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7042 mL	8.5212 mL	17.0425 mL
5 mM	0.3408 mL	1.7042 mL	3.4085 mL
10 mM	0.1704 mL	0.8521 mL	1.7042 mL
50 mM	0.0341 mL	0.1704 mL	0.3408 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

Chabala, et al. Ivermectin, a new broad-spectrum antiparasitic agent. J. Med. Chem. 23(10), 1134-1136 (1980).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481