

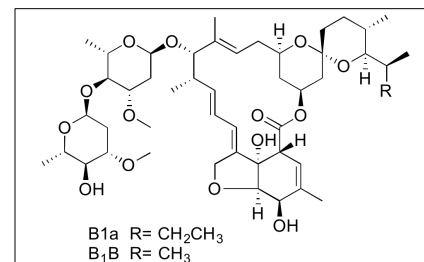
## Product Information

**Product ID** I8618  
**CAS No.** 70288-86-7  
**Chemical Name** 22,23-Dihydroabamectin

**Synonym** 22,23-Dihydroavermectin B1, MK-933, Heartgard 30, Mectizan, Stromectol, Zimecterin

**Formula**  $C_{48}H_{74}O_{14}$   
**Formula Wt.** 875.09  
**Melting Point** 155°C  
**Purity** ≥95%  
**Solubility** Soluble in methyl ethyl ketone, propylene glycol, and polyethylene glycol. Insoluble in water.

**Store Temp** 4°C  
**Ship Temp** Ambient



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
I8618	1 g	\$76.40
I8618	5 g	\$318.40

**Description** Ivermectin is an avermectin-family antibiotic that exhibits anti-parasitic/anti-helminthic activity. Ivermectin activates glutamate-gated Cl<sup>-</sup> channels, interfering with neurotransmission and muscle function in arthropods and nematodes. At high doses, ivermectin also activates GABA-A receptors and glycine receptors. TEST!!!!!!

**References** Chaccour CJ, Kobylinski KC, Bassat Q, et al. Ivermectin to reduce malaria transmission: a research agenda for a promising new tool for elimination. *Malar J.* 2013 May 7;12:153. PMID: 23647969.

Lynagh T, Lynch JW. Molecular mechanisms of Cys-loop ion channel receptor modulation by ivermectin. *Front Mol Neurosci.* 2012 May 7;5:60. PMID: 22586367.

Yates DM, Wolstenholme AJ. An ivermectin-sensitive glutamate-gated chloride channel subunit from *Dirofilaria immitis*. *Int J Parasitol.* 2004 Aug;34(9):1075-81. PMID: 15313134.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.