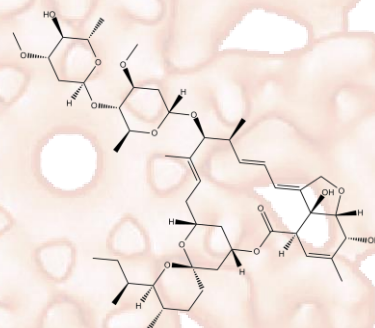


# Product Data Sheet

## Ivermectin B1a

<b>Cat. No.:</b>	C3905
<b>CAS No.:</b>	71827-03-7
<b>Formula:</b>	C <sub>48</sub> H <sub>74</sub> O <sub>14</sub>
<b>M.Wt:</b>	875.1
<b>Synonyms:</b>	dihydro Avermectin B1a, 22,23-dihydro Avermectin B1a
<b>Target:</b>	Membrane Transporter/Ion Channel
<b>Pathway:</b>	Chloride Channels
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

Soluble in DMSO

In Vitro

	Solvent Concentration	Mass	1mg	5mg	10mg
Preparing Stock Solutions	1 mM		1.1427 mL	5.7136 mL	11.4273 mL
	5 mM		0.2285 mL	1.1427 mL	2.2855 mL
	10 mM		0.1143 mL	0.5714 mL	1.1427 mL

Please refer to the solubility information to select the appropriate solvent.

## Biological Activity

Shortsummary

main component of the anthelmintic, ivermectin; glutamate-gated chloride channels opener

 IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Preparation method:

In Vivo

### Animal experiment

Applications:

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APExBIO Technology**

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