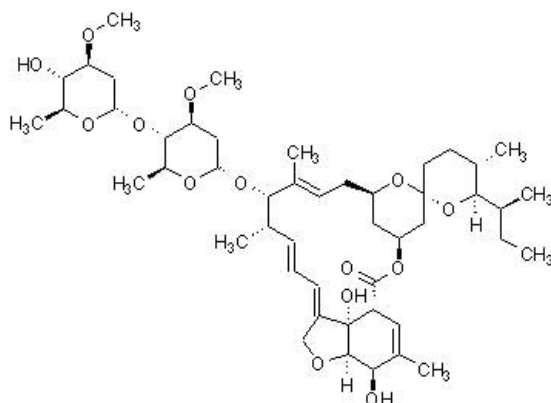


Product datasheet

# Ivermectin, Positive allosteric modulator of $\alpha 7$ nicotinic acetylcholine receptors ab141813

Overview

<b>Product name</b>	Ivermectin, Positive allosteric modulator of $\alpha 7$ nicotinic acetylcholine receptors
<b>Description</b>	Positive allosteric modulator of $\alpha 7$ nicotinic acetylcholine receptors
<b>Biological description</b>	Positive allosteric modulator of $\alpha 7$ neuronal nicotinic acetylcholine receptor. Allosteric effector of P2X <sub>4</sub> receptors. Anthelmintic. Modulates glutamate- and GABA-activated chloride channels. Potentiates glycine-gated currents at low concentrations (30 nM).
<b>Purity</b>	> 96%
<b>CAS Number</b>	70288-86-7
<b>Chemical structure</b>	



Properties

<b>Chemical name</b>	22,23-Dihydroivermectin B1a
<b>Molecular weight</b>	875.09
<b>Molecular formula</b>	C <sub>48</sub> H <sub>74</sub> O <sub>14</sub>
<b>PubChem identifier</b>	6440492
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 50 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

**SMILES**

CCC(C)C1C(CCC2(O1)CC3CC(O2)CC=C(C(C(C=CC=C4COC5C4(C(C=C(C5O)C)C(=O)O3)O)C)OC6CC(C(C(O6)C)OC7CC(C(C(O7)C)O)OC)OC)C)C

**Source**

Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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