

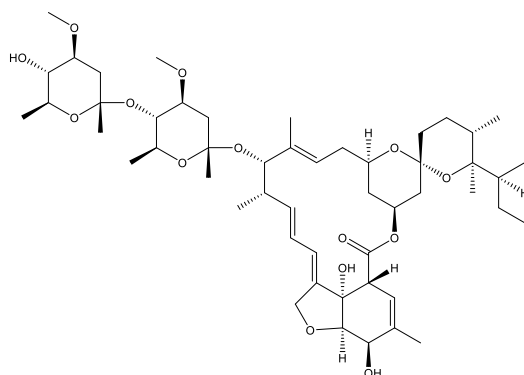
Catalog # 10-2628

Ivermectin

CAS# 70288-86-7

22,23-Dihydroavermectin B1; 22,23-Dihydro C076B1; MK-933

Lot # X109832



A specific inhibitor of importin α/β -mediated nuclear import with no effect on a range of other nuclear import pathways.¹ Displays potent antiviral activity against HIV-1, dengue¹, corona² and other viruses. Clinically useful broad-spectrum antiparasitic agent.³

- 1) Wagstaff *et al.* (2012), *Ivermectin is a specific inhibitor of importin α/β -mediated nuclear import able to inhibit replication of HIV-1 and dengue virus*; *Biochem. J.*, **443** 851
- 2) Caly *et al.* (2020), *The FDA-approved drug ivermectin inhibits the replication of SARS-CoV-2 in vitro*; *Antiviral Res.*, **178** 104787
- 3) Ottesen and Campbell (1994), *Ivermectin in human medicine*; *J. Antimicrob. Chemother.*, **34** 195

PHYSICAL DATA

Molecular Weight:	875.09
Molecular Formula:	C ₄₈ H ₇₄ O ₁₄ (B1a form)
Purity:	98% by TLC
	NMR: (Conforms)
	Contains up to 10% B1b form
Solubility:	DMSO (up to 70 mg/ml) or in Ethanol (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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