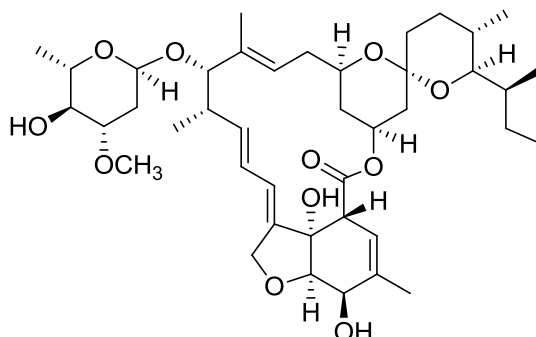


Ivermectin B1a monosaccharide

Code No.: **BIA-I1150**

Pack sizes: **1 mg, 5 mg**



Synonyms : Dihydroavermectin B1 monosaccharide, Ivermectin B1 monosaccharide

Specifications

CAS #	: 123997-64-8
Molecular Formula	: C ₄₁ H ₆₂ O ₁₁
Molecular Weight	: 730.9
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Ivermectin monosaccharide is a semi-synthetic produced by selective hydrolysis of the terminal saccharide unit of ivermectin. Ivermectin monosaccharide is a potent inhibitor of nematode larval development, but is devoid of paralytic activity. The monosaccharide is used as a sensitive probe for the detection of some types of ivermectin resistance.

References

1. Ivermectin, a new broad-spectrum antiparasitic agent. Chabala J.C. et al. J. Med. Chem. 1980, 23, 1134.
2. Detection of resistance to ivermectin in Haemonchus contortus. Gill J.G. et al. Int. J. Parasit. 1991, 21, 771.

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