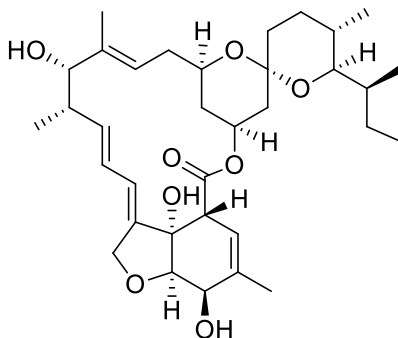


Ivermectin B1a aglycone

Code No.: **BIA-I1151**

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



Synonyms : Dihydroivermectin B1 aglycone, Ivermectin B1 aglycone

Specifications

CAS #	: 123997-59-1
Molecular Formula	: C ₃₄ H ₅₀ O ₈
Molecular Weight	: 586.8
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Ivermectin aglycone is a semi-synthetic produced by hydrolysing the disaccharide unit of ivermectin. Ivermectin aglycone is a potent inhibitor of nematode larval development, but is devoid of paralytic activity. The aglycone 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.