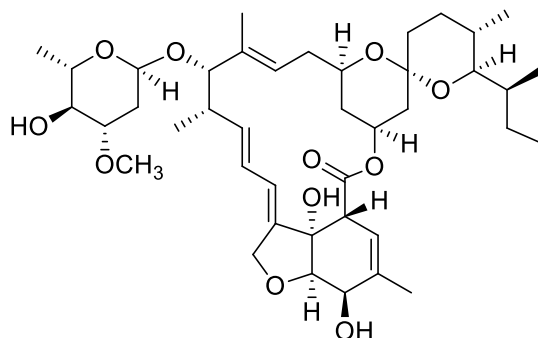


## Ivermectin B1a monosaccharide

Code No.: **BIA-I1150**

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



Synonyms : Dihydroivermectin B1 monosaccharide, Ivermectin B1 monosaccharide

### Specifications

CAS #	: 71837-27-9
Molecular Formula	: C <sub>41</sub> H <sub>62</sub> O <sub>11</sub>
Molecular Weight	: 730.9
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 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.