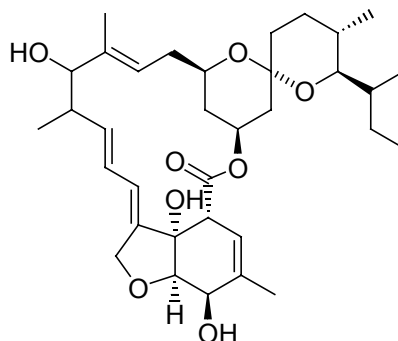


## Ivermectin aglycone

Code: **BIA-I1151**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **22, 23-Dihydroivermectin B1 aglycone, Ivermectin B1 aglycone**

### Specifications

CAS # : **123997-59-1**  
Molecular Formula : **C<sub>34</sub>H<sub>50</sub>O<sub>8</sub>**  
Molecular Weight : **586.8**  
Source : ***Streptomyces avermitilis* MST-AS4526, semi-synthetic**  
Appearance : **White solid**  
Purity : **>99% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

### Application Notes

Ivermectin aglycone is a semi-synthetic produced by the hydrolysis of 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.