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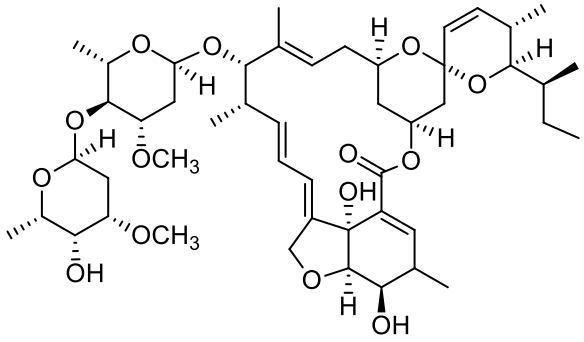
PRODUCT DATA SHEET

Δ^2-Avermectin B1a

Code No.: **BIA-A1579**

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



Synonyms : -

Specifications

CAS #	:	**110415-68-4**
Molecular Formula	:	**$C_{48}H_{72}O_{14}$**
Molecular Weight	:	**873.1**
Source	:	**Semi-synthetic**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO.**

Application Notes

Δ^2-Avermectin B1a is an irreversible base degradation product of avermectin found in animals treated with avermectin and in the environment. Δ^2-Avermectin B1a is formed by rearrangement of the naturally-occurring Δ^3-group to the 2-position. Although less active than the parent, Δ^2-avermectin B1a is nonetheless active at 1 ppm.

References

1. Base-catalyzed isomerization of avermectins. Pivnichny J.V. et al., J. Agric. Food Chem. 1988, 36, 826.
2. Direct determination of avermectins in plasma at nanogram levels by High-Performance Liquid Chromatography. Pivnichny J.V. et al., J. Pharm. Sci. 1980, 72, 1447.

For in vitro laboratory use only. Not for human or animal use.

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