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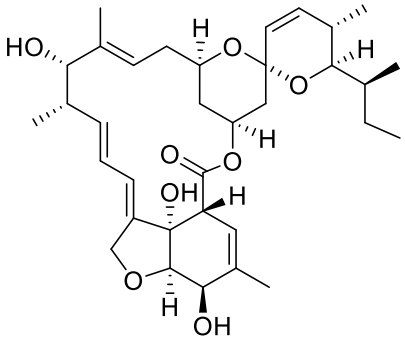
PRODUCT DATA SHEET

Avermectin B1a aglycone

Code No.: **BIA-A1587**

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



Synonyms : -

Specifications

CAS #	:	**71828-14-3**
Molecular Formula	:	**$C_{34}H_{48}O_8$**
Molecular Weight	:	**584.7**
Source	:	**Semi-synthetic**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO.**

Application Notes

Avermectin aglycone is an acid degradation product produced by hydrolysis of the disaccharide unit of avermectin. Avermectin aglycone is an inhibitor of nematode larval development, but is devoid of paralytic activity. Despite the importance of avermectin as an anthelmintic in animal health, there are few published reports of the biological activity or the levels of avermectin aglycone in animals or in the environment.

References

1. Avermectin aglycones. Mrozik H. et al., J. Org. Chem. 1982, 47, 489.
2. Ivermectin, a new broad-spectrum antiparasitic agent. Chabala J.C. et al., J. Med. Chem. 1980, 23, 1134.

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

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Building C, 28-54 Percival Road, Smithfield, NSW 2164, AUSTRALIA

Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com