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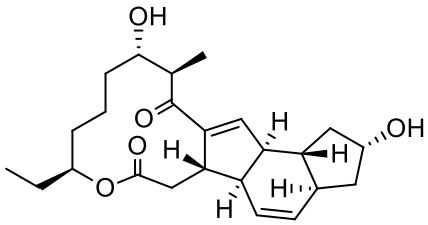
PRODUCT DATA SHEET

Spinosyn A aglycone

Code No.: **BIA-S1595**

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



Synonyms : -

Specifications

CAS #	:	**149560-97-4**
Molecular Formula	:	**$C_{24}H_{34}O_5$**
Molecular Weight	:	**402.5**
Source	:	**Semi-synthetic**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO.**

Application Notes

Spinosyn A aglycone is an acid degradation product produced by hydrolysis of both saccharide groups on spinosyn A, the major component of the commercial insecticide, spinosad. Spinosyn A aglycone is only weakly active as an insecticide as the saccharides are considered essential for potent activity. Despite the importance of spinosyns as agro-chemical insecticides and more recently as animal health products, there are few published reports of the biological activity or the levels of spinosyn A aglycone in animals or in the environment.

References

1. Conversion of spinosyn A and spinosyn D to their respective 9- and17-pseudoaglycones and their aglycones. Creemer L.C. et al., J. Antibiot. 1998, 51, 795.
2. Environmental fate of spinosad. 1. Dissipation and degradation in aqueous systems. Cleveland C.B. et al., J. Agric. Food Chem. 2002, 50, 3244.

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

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