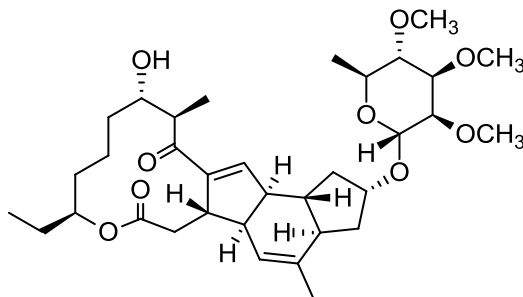


Spinosyn D 17-pseudoaglycone

Code No.: **BIA-S1594**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : A 83543D pseudoaglycone

Specifications

CAS #	: 131929-55-0
Molecular Formula	: C ₃₄ H ₅₂ O ₉
Molecular Weight	: 604.8
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Spinosyn D 17-pseudoaglycone is an acid degradation product produced by selective hydrolysis of the more labile forosamine saccharide in the 17-position in spinosyn D, the minor component of commercial product, Spinosad. Spinosyn D 17-pseudoaglycone is only weakly active as an insecticide as the forosamine moiety is 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 D 17-pseudoaglycone in animals or in the environment.

References

1. Conversion of spinosyn A and spinosyn D to their respective 9- and 17-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.