

## PRODUCT DATA SHEET

Code No.: BIA-S1593

Pack sizes: 1 mg, 5 mg

Synonyms : A 83543A pseudoglycone

## Specifications

CAS # : 131929-68-5

Molecular Formula :  $C_{33}H_{50}O_9$ Molecular Weight : 590.7

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 A 17-pseudoaglycone is an acid degradation product produced by selective hydrolysis of the more labile forosamine saccharide in the 17-position of spinosyn A, the major component of the commercial product, Spinosad. Spinosyn A 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 A 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.

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