



# Spinosyn A 17-pseudoaglycone PRODUCT DATA SHEET

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**Product Name:** Spinosyn A 17-pseudoaglycone

**Product Number:** S085

**CAS Number:** 131929-68-5

**Molecular Formula:** C<sub>33</sub>H<sub>50</sub>O<sub>9</sub>

**Molecular Weight:** 590.7

**Appearance:** White solid

**Storage Conditions:** -20°C

**Description:** 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.

Spinosyn A 17-pseudoaglycone is soluble in ethanol, methanol, DMF and DMSO.

**References:** 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.

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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