

Product Name: Spinosyn D aglycone

Product Number: S089

CAS Number: 149439-79-2

Molecular Formula: $C_{25}H_{36}O_5$

Molecular Weight: 416.6

Appearance: White solid

Storage Conditions: -20°C

Description: Spinosyn D aglycone is an acid degradation product produced by hydrolysis of both saccharide groups on spinosyn D, the minor component of the commercial insecticide, Spinosad. Spinosyn D 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 D aglycone in animals or in the environment.

Spinosyn D aglycone 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.