

Product Name: Dihydrospinosyn A aglycone

Product Number: D055

CAS Number: 727695-12-7

Molecular Formula: $C_{24}H_{36}O_5$

Molecular Weight: 404.54

Appearance: White solid

Storage Conditions: -20°C

Description: Dihydrospinosyn A aglycone is an acid degradation product produced by hydrolysis of both saccharide groups of 3'-ethoxy-5,6-dihydrospinosyn J, the major component of the commercial insecticide, Spinetoram. Dihydrospinosyn 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, there are few published reports of the biological activity or the levels of dihydrospinosyn A aglycone in the environment.

Dihydrospinosyn A 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.

The spinosyn family of insecticides: realizing the potential of natural products research. Kirst H.A. J. Antibiot. 2010, 63, 101.