

3'-Ethoxy-5,6-dihydro-spinosyn J 17-pseudoaglycone

PRODUCT DATA SHEET

issue date 01/06/2020

Product Name: 3'-Ethoxy-5,6-dihydro-spinosyn J 17-pseudoaglycone

Product Number: S090

Molecular Formula: $C_{34}H_{54}O_9$

Molecular Weight: 606.79

Appearance: White solid

Storage Conditions: -20°C

Description: 3'-Ethoxy-5,6-dihydrospinosyn J pseudoaglycone is an acid degradation product produced by selective hydrolysis of the more labile forosamine saccharide in the 17-position of 3'-ethoxy-5,6-dihydrospinosyn J, the major component of the commercial product, Spinetoram. 3'-Ethoxy-5,6-dihydrospinosyn J 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, there are few published reports of the biological activity or the levels of 3'-ethoxy-5,6-dihydrospinosyn J pseudoaglycone in the environment.

3'-Ethoxy-5,6-dihydrospinosyn J 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.

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

If you need any help, contact us: info@toku-e.com. Find more information on: www.toku-e.com/