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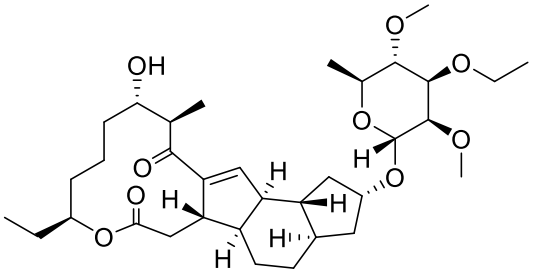
PRODUCT DATA SHEET

3'-Ethoxy-5,6-dihydrospinosyn J 17-pseudoaglycone

Code No.: **BIA-E1597**

Pack sizes: **1 mg, 5 mg**



Synonyms : -

Specifications

CAS #	:	**2055494-09-0**
Molecular Formula	:	**$C_{34}H_{54}O_9$**
Molecular Weight	:	**606.8**
Source	:	**Semi-synthetic**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO.**

Application Notes

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.

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

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