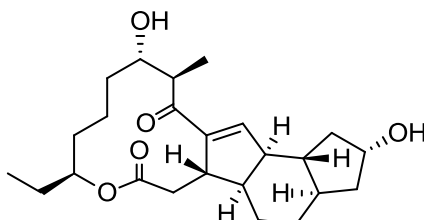


Dihydrospinosyn A aglycone

Code No.: **BIA-D1599**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	:	727695-12-7
Molecular Formula	:	C₂₄H₃₆O₅
Molecular Weight	:	404.5
Source	:	Semi-synthetic
Appearance	:	White solid
Purity	:	>95% by HPLC
Long Term Storage	:	-20°C
Solubility	:	Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

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.

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.