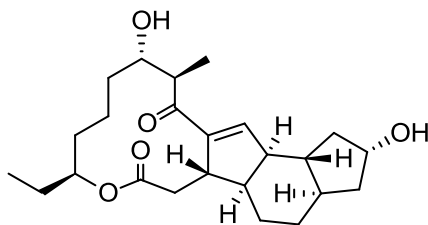


## Dihydrospinosyn A aglycone

Code No.: **BIA-D1599**

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



Synonyms :

### Specifications

CAS #	:	<b>727695-12-7</b>
Molecular Formula	:	<b>C<sub>24</sub>H<sub>36</sub>O<sub>5</sub></b>
Molecular Weight	:	<b>404.5</b>
Source	:	<b>Semi-synthetic</b>
Appearance	:	<b>White solid</b>
Purity	:	<b>&gt;95% by HPLC</b>
Long Term Storage	:	<b>-20°C</b>
Solubility	:	<b>Soluble in ethanol, methanol, DMF or DMSO.</b>

### 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.

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