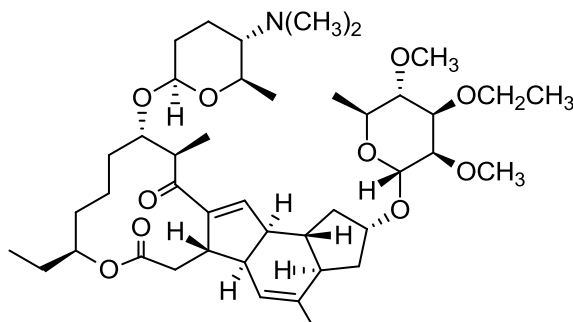


## 3'-Ethoxyspinosyn L

Code No.: **BIA-E1586**

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



Synonyms :

### Specifications

CAS #	: 187166-15-0
Molecular Formula	: C <sub>43</sub> H <sub>69</sub> NO <sub>10</sub>
Molecular Weight	: 760.0
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

3'-Ethoxyspinosyn L is the minor component in the second generation spinosyn family of bio-insecticides marketed as Spinetoram. 3'-Ethoxyspinosyn L is a semi-synthetic compound prepared by selective ethylation and hydrogenation of Spinosyn L, itself a fermentation product from a biosynthetically blocked mutant of *Saccharopolyspora spinosa*. As an insecticide, 3'-ethoxyspinosyn L is considered more potent and to have earlier onset and longer duration of action than combinations of spinosyn A and D.

### References

1. The spinosyn family of insecticides: realizing the potential of natural products research. Kirst H.A. J. Antibiot. 2010, 63, 101.
2. Neural network-based QSAR and insecticide discovery: spinetoram. Sparks T.C. et al., J. Comput. Aided Mol. Des. 2008, 22, 393.
3. DE-175 (spinetoram), a new semi-synthetic spinosyn in development. Crouse G.D. et al., in Modern Crop Protection Compounds Vol. 3 (eds Kramer W. & Schirmer U.) 2007, 1013.