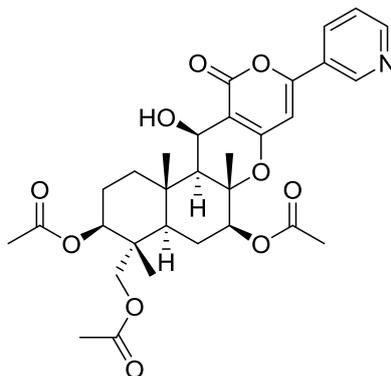


## Pyripyropene A

Code No.: **BIA-P1807**

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



Synonyms : (+)-Pyripyropene A, FO 1289A

### Specifications

CAS #	: 147444-03-9
Molecular Formula	: C <sub>31</sub> H <sub>37</sub> NO <sub>10</sub>
Molecular Weight	: 583.6
Source	: <i>Penicillium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

### Application Notes

Pyripyropene A is a meroterpenoid isolated from *Aspergillus fumigatus* and published in 1993 by Omura and co-workers at The Kitasato Institute, Japan. Pyripyropene A has potent acyl-CoA:cholesterol acyltransferase (ACAT) and the isozyme sterol O-acyltransferase 2 (SOAT2) inhibitory activity, thus inhibiting the conversion of cholesterol to cholesteryl esters. Pyripyropene A is active against aphids in field trials and has weak insect anti-feedant activity.

### References

1. Pyripyropenes, highly potent inhibitors of acyl-CoA:cholesterol acyltransferase produced by *Aspergillus fumigatus*. Omura S. et al., J. Antibiot. 1993, 46, 1168.
2. Pyripyropenes, novel inhibitors of acyl-CoA:cholesterol acyltransferase produced by *Aspergillus fumigatus*. II. Structure elucidation of pyripyropenes A, B, C and D. Kim Y.K. et al., J. Antibiot. 1994, 47, 154.
3. Design and synthesis of A-ring simplified pyripyropene A analogues as potent and selective synthetic SOAT2 inhibitors. Ohtawa M. et al., Chem. Med. Chem. 2018, 13, 411.
4. Insecticidal properties of pyripyropene A, a microbial secondary metabolite, against agricultural pests. Horikoshi R. et al., J. Pestic. Sci. 2018, 20, 266.