

#### PRODUCT DATA SHEET

Code No.: BIA-P1807

Pack sizes.: 1mg, 5mg

# Pyripyropene A

Synonyms:

(+)-Pyripyropene A, FO 1289A

# Specifications

Molecular Formula

CAS # : **147444-03-9** 

Molecular Weight : 583.63

Source :-

Appearance : White solid
Purity : >95% by HPLC

Long Term Storage : -20°C

Solubility : Soluble in ethanol, methanol, DMF or DMSO.

: C31H37NO10

### **Application Notes**

Pyripyropene A is a meroterpenoid isolated from Aspergillus fumigatus and published in 1993 by Omura and coworkers 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.