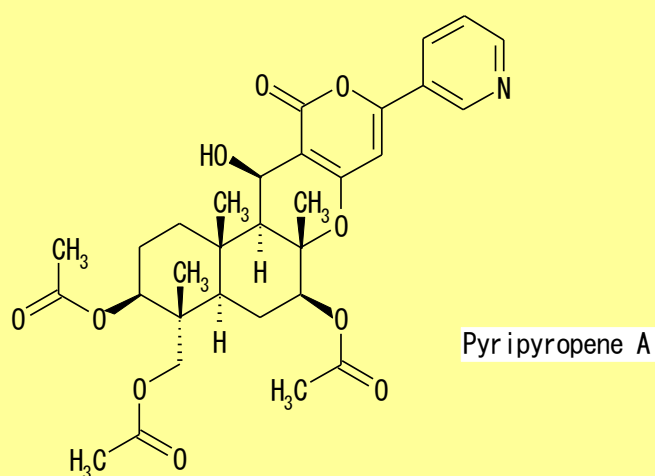


# Pyripyropene A

Cat.# BLK0570

## Structure



Pyripyropene A

**Origin:** *Aspergillus fumigatus* FO-1289

**CAS Registry Number:** 147444-03-9

**CA Index Name:**

**Appearance:** pale pink - rusty brown solid

**Molecular Formula/ Weight:** C<sub>31</sub>H<sub>37</sub>NO<sub>10</sub>=583.24

**Melting Point:** 138-142°C **Purity:** >95% by HPLC

**Solubility:** Sol. in MeOH, EtOAc, Chloroform  
Inso. in water, Hexane

**pKa:**

**log P:**

## Background Information:

Inhibitors of Acy-CoA: Cholesterol Acyltransferase (ACAT). 1) Enzyme assay for ACAT inhibition; ACAT inhibitory activity was tested in an enzyme assay using rat liver microsomes. Pyripyropenes are the most potent ACAT inhibitors of microbial origin. 2) *In vivo* evaluation; *In vivo* efficacy of Pyripyropene A and synthetic derivatives were evaluated in a hamster model. PR-86 showed more potent inhibition of cholesterol absorption from the intestines (ED<sub>50</sub>, 10mg/kg) than Pyripyropene A (ED<sub>50</sub>, about 100mg/kg).

## Handling and Storage:

Store at -20°C.

## References:

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Manufactured with Courtesy strain from The Kitasato Institute.

(ID#: FO-1289)