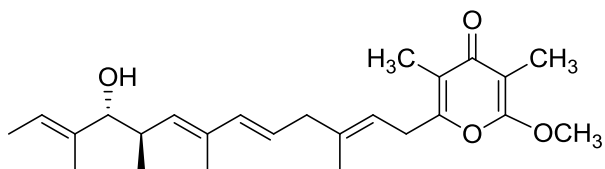


Actinopyrone A

Code No.: **BIA-A1001**

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



Synonyms :

Specifications

CAS #	: 88378-59-0
Molecular Formula	: C₂₅H₃₆O₄
Molecular Weight	: 400.6
Source	: <i>Streptomyces pactum</i>
Appearance	: Colourless Oil
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Actinopyrone A is a gamma-pyrone compound isolated from a *Streptomyces* sp. It shows selective (>10E6 fold) and potent (MIC 0.0001 µg/ml) activity against *Helicobacter pylori*, the principal cause of peptic ulcer disease. Actinopyrone A was originally identified for its coronary vasodilating activity and weak activity against some Gram positive bacteria and dermatophytes.

References

1. Gamma-Pyrone compounds with selective and potent anti-*Helicobacter pylori* activity. Taniguchi M., et al., J. Antibiotics, 2000, 53, 844.
2. Actinopyrones A, B and C, new physiologically active substances. I. Producing organism, fermentation, isolation and biological properties. Yano K., et al., J. Antibiotics, 1986, 39, 32.
3. Actinopyrones A, B and C, new physiologically active substances. II. Physico-chemical properties and chemical structures. Yano K., et al., J. Antibiotics, 1986, 39, 38.