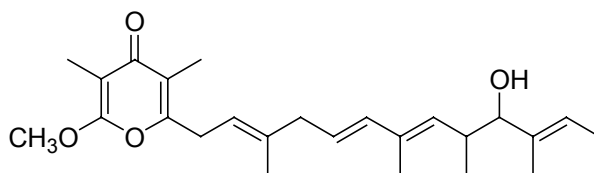


Actinopyrone A

Code: **BIA-A1001**

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



Synonyms :

Specifications

CAS #	: 88378-59-0
Molecular Formula	: $\text{C}_{25}\text{H}_{36}\text{O}_4$
Molecular Weight	: 400.6
Source	: <i>Streptomyces pactum</i> MST-AS5546
Appearance	: Colourless Oil
Purity	: > 95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Actinopyrone A is a γ -pyrone compound isolated from a *Streptomyces* sp.. It has selective ($>10^6$ fold) and potent (MIC 0.0001 $\mu\text{g/ml}$) activity against *Helicobacter pylori*, the principle 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. γ -Pyrone compounds with selective and potent anti-*Helicobacter pylori* activity. Taniguchi M. et al. *J. Antibiot.* **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. Antibiot.* **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. Antibiot.* **1986**, 39, 38.