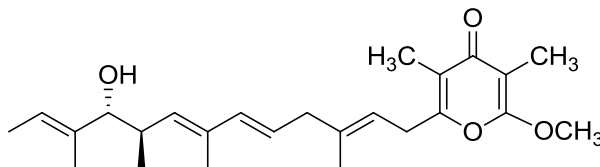


## Actinopyrone A

Code No.: **BIA-A1001**

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



Synonyms :

### Specifications

CAS #	: 88378-59-0
Molecular Formula	: <b>C<sub>25</sub>H<sub>36</sub>O<sub>4</sub></b>
Molecular Weight	: <b>400.6</b>
Source	: <b><i>Streptomyces pactum</i></b>
Appearance	: <b>Colourless Oil</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</b>

### 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.