

Product Name: Actinopyrone A

Product Number: A114

CAS Number: 88378-59-0

Molecular Formula: $C_{25}H_{36}O_4$

Molecular Weight: 400.6

Appearance: Colourless Oil

Storage Conditions: -20°C

Description: 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.

Actinopyrone A is soluble in ethanol, methanol, DMF and DMSO.

References: Gamma-Pyrone compounds with selective and potent anti-*Helicobacter pylori* activity. Taniguchi M., et al. , J. Antibiotics, 2000, 53, 844.

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.

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.