

BE-24566B

Chemical Properties

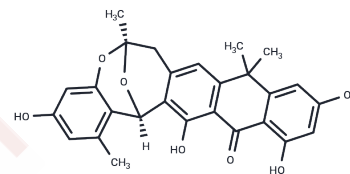
CAS No. : 149466-04-6

Formula: C₂₇H₂₄O₇

Molecular Weight: 460.482

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	BE-24566B is a polyketide fungal metabolite originally isolated from <i>S. violaceus niger</i> . It is active against <i>B. subtilis</i> , <i>B. cereus</i> , <i>S. aureus</i> , <i>M. luteus</i> , <i>E. faecalis</i> , and <i>S. thermophilus</i> (MICs = 1.56, 1.56, 1.56, 1.56, 3.13, and 3.13 µg/ml, respectively). BE-24566B is an endothelin (ET) receptor antagonist (IC ₅₀ s = 11 and 3.9 µM for ETA and ETB receptors, respectively). ²
Targets (IC ₅₀)	Endothelin Receptor, Others, Antibacterial

Solubility Information

Solubility	Methanol: Soluble Dichloromethane: Soluble Ethanol: Soluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1716 mL	10.8582 mL	21.7165 mL
5 mM	0.4343 mL	2.1716 mL	4.3433 mL
10 mM	0.2172 mL	1.0858 mL	2.1716 mL
50 mM	0.0434 mL	0.2172 mL	0.4343 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kojiri, K., Nakajima, S., Fuse, A., et al. BE-24566B, a new antibiotic produced by *Streptomyces violaceusniger*. *Antibiot. (Tokyo)* 48(12):1506-1508(1995)

Lam, Y.K.T., Hensens, O., Helms, G., et al. L-755,805, a new polyketide endothelin binding inhibitor from an actinomycete. *Tetrahedron Lett.* 36(12):2013-2016(1995)

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481