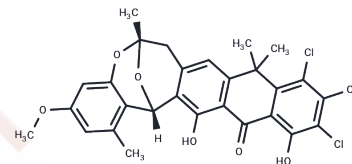


Bischloroanthrabenzoxocinone

Chemical Properties

CAS No. :	866022-28-8
Formula:	C ₂₈ H ₂₄ Cl ₂ O ₇
Molecular Weight:	543.39
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	Bacterial type II fatty acid synthesis (FAS-II) is mediated by a series of enzymes, each of which may be targeted by potential antibiotics. Bischloroanthrabenzoxocinone (BABX) is an inhibitor of FAS-II, blocking fatty acid synthesis in <i>S. aureus</i> and <i>E. coli</i> with IC ₅₀ values of 11.4 and 35.3 µg/ml, respectively. It inhibits the growth of <i>S. aureus</i> and permeable <i>E. coli</i> strains with minimum inhibitory concentrations ranging from 0.2-0.4 µg/ml. BABX also displays binding to liver X receptors (LXRs), inhibiting agonist binding in an LXRα-scintillation proximity assay (IC ₅₀ = 10 µM).
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	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	1.8403 mL	9.2015 mL	18.403 mL
5 mM	0.3681 mL	1.8403 mL	3.6806 mL
10 mM	0.184 mL	0.9201 mL	1.8403 mL
50 mM	0.0368 mL	0.184 mL	0.3681 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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