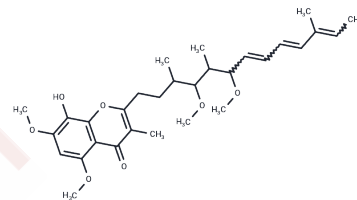


Stigmatellin

Chemical Properties

CAS No. :	91682-96-1
Formula:	C ₃₀ H ₄₂ O ₇
Molecular Weight:	514.65
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	Stigmatellin is an antibiotic derived from the cell mass of the myxobacterium, effective against yeasts (yeasts), filamentous fungi (filamentous fungi), and several Gram-positive bacteria (Gram-positive bacteria). Additionally, it serves as a potent inhibitor of photosynthetic electron (photosynthetic electron) transfer. Stigmatellin utilizes various sugars, polysaccharides, and acids from the citric acid cycle as substrates, inhibiting RNA and protein synthesis. It has two different inhibitory sites: one located on the reducing side of photosystem II and the other at the cytochrome b ₆ /f complex. Stigmatellin holds potential for use in antimicrobial and photosynthesis research.
Targets(IC ₅₀)	Antibiotic,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9431 mL	9.7153 mL	19.4307 mL
5 mM	0.3886 mL	1.9431 mL	3.8861 mL
10 mM	0.1943 mL	0.9715 mL	1.9431 mL
50 mM	0.0389 mL	0.1943 mL	0.3886 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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