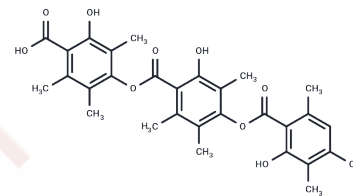


Thielavin A

Chemical Properties

CAS No. :	71950-66-8
Formula:	C ₂₉ H ₃₀ O ₁₀
Molecular Weight:	538.549
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	Thielavin A is a fungal metabolite originally isolated from <i>T. terricola</i> that is related to thielavin B . Thielavin A inhibits COX, blocking both the conversion of arachidonic acid to prostaglandin H ₂ and the conversion of PGH ₂ to PGE ₂ . Thielavin A also inhibits glucose-6-phosphatase in rat liver microsomes (IC ₅₀ = 4.6 μM). It is a non-competitive inhibitor of α-glucosidase from <i>S. cerevisiae</i> (IC ₅₀ = 23.8 μM; K _i = 27.8 μM).
Targets(IC ₅₀)	Others,Prostaglandin Receptor

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	1.8568 mL	9.2842 mL	18.5684 mL
5 mM	0.3714 mL	1.8568 mL	3.7137 mL
10 mM	0.1857 mL	0.9284 mL	1.8568 mL
50 mM	0.0371 mL	0.1857 mL	0.3714 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

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