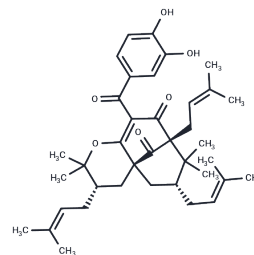


Isogarcinol

Chemical Properties

CAS No. :	71117-97-0
Formula:	C ₃₈ H ₅₀ O ₆
Molecular Weight:	602.8
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	Isogarcinol is a natural polyisoprenylated benzophenone first isolated from plant species in the genus <i>Garcinia</i> . It has immunosuppressant actions, inhibiting the protein phosphatase calcineurin (IC ₅₀ = 36 μM) and suppressing the proliferation of T cells. Oral administration of isogarcinol in mice decreases delayed type hypersensitivity, prolongs graft survival in allogeneic skin transplants, suppresses inflammation in collagen-induced arthritis, and reduces clinical symptoms in experimental autoimmune encephalomyelitis. Isogarcinol inhibits the proliferation of HL-60 and PC-3 cancer cells (IC ₅₀ s = 4 and 8 μg/ml, respectively) through cell cycle arrest and apoptosis.
Targets(IC ₅₀)	Others,Parasite,Cholinesterase (ChE)

Solubility Information

Solubility	DMF: 25 mg/mL (41.47 mM),Sonication is recommended. Ethanol: 20 mg/mL (33.18 mM),Sonication is recommended. DMSO:PBS (pH 7.2) (1:10): 0.1 mg/mL (0.17 mM),Sonication is recommended. DMSO: 25 mg/mL (41.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6589 mL	8.2946 mL	16.5893 mL
5 mM	0.3318 mL	1.6589 mL	3.3179 mL
10 mM	0.1659 mL	0.8295 mL	1.6589 mL
50 mM	0.0332 mL	0.1659 mL	0.3318 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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