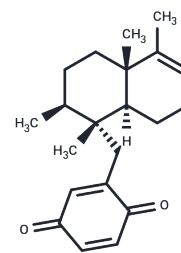


Avarone

Chemical Properties

CAS No. :	55303-99-6
Formula:	C ₂₁ H ₂₈ O ₂
Molecular Weight:	312.45
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	Avarone ((+)-Avarone) is a sesquiterpene quinone that can be isolated from <i>Dysidea avara</i> . It exhibits cytotoxic properties and demonstrates antileukemic activity.
Targets(IC50)	Others
In vitro	Avarone inhibits the growth of U937 cells with IC50 values of 95.8, 52.9, and 33.5 μ M at 24, 48, and 72 hours, respectively.
In vivo	Administering Avarone (10 mg/kg; i.p.; once daily for 5 days) can prolong the lifespan of mice with leukemia.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2005 mL	16.0026 mL	32.0051 mL
5 mM	0.6401 mL	3.2005 mL	6.401 mL
10 mM	0.3201 mL	1.6003 mL	3.2005 mL
50 mM	0.064 mL	0.3201 mL	0.6401 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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