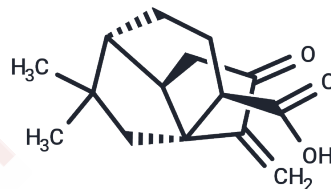


Terrecyclic Acid

Chemical Properties

CAS No. :	83058-94-0
Formula:	C ₁₅ H ₂₀ O ₃
Molecular Weight:	248.32
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	Terrecyclic acid is a sesquiterpene originally isolated from <i>A. terreus</i> with antibiotic and anticancer activity. It is active against <i>S. aureus</i> , <i>B. subtilis</i> , and <i>M. roseus</i> (MICs = 25, 50, and 25 µg/ml, respectively). Terrecyclic acid induces a heat shock response, increases levels of reactive oxygen species (ROS), and inhibits NF-κB activity and cell growth in 3T3-Y9-B12 cells.
Targets(IC50)	Others,Antibiotic
In vivo	In vivo, terrecyclic acid (0.1, 1, and 10 mg/ml) reduces the number of ascitic fluid tumor cells in a mouse model of P388 murine leukemia.

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	4.0271 mL	20.1353 mL	40.2706 mL
5 mM	0.8054 mL	4.0271 mL	8.0541 mL
10 mM	0.4027 mL	2.0135 mL	4.0271 mL
50 mM	0.0805 mL	0.4027 mL	0.8054 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481