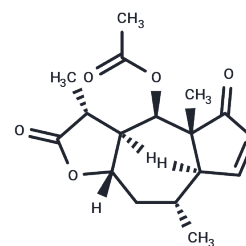


Isotenulin

Chemical Properties

CAS No. :	10092-04-3
Formula:	C ₁₇ H ₂₂ O ₅
Molecular Weight:	306.354
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	Isotenulin inhibits the efflux function of P-glycoprotein (P-gp) by stimulating P-glycoprotein ATPase, helping to overcome multidrug resistance (MDR) in cancer cells. It exhibits cytotoxicity in multidrug-resistant cancer cells KB-vin and in sensitive cancer cells HeLaS3. Additionally, Isotenulin acts synergistically with Paclitaxel, Vinblastine, and Doxorubicin.
Targets(IC50)	P-gp

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2642 mL	16.3212 mL	32.6424 mL
5 mM	0.6528 mL	3.2642 mL	6.5285 mL
10 mM	0.3264 mL	1.6321 mL	3.2642 mL
50 mM	0.0653 mL	0.3264 mL	0.6528 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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