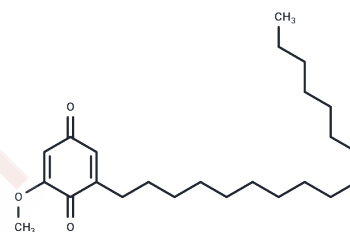


Irisquinone

Chemical Properties

CAS No. :	56495-82-0
Formula:	C ₂₄ H ₃₈ O ₃
Molecular Weight:	374.56
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	Irisquinone, a natural anticancer agent, also acts as a radiation sensitizer for cancer therapies. It diminishes glutathione (GSH) levels and hampers the repair of single-strand DNA breaks [1] [2] [3].
In vitro	Irisquinone (0-128 nM, 12-48 h) induces apoptosis in rat C6 glioma cells [2].
In vivo	Irisquinone (12.5 mg/kg, daily administration) induced a reduction in tumor wall thickness and an increase in necrotic area in rabbits with VX2 lung transplant tumor models when combined with radiotherapy [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6698 mL	13.349 mL	26.698 mL
5 mM	0.534 mL	2.6698 mL	5.3396 mL
10 mM	0.267 mL	1.3349 mL	2.6698 mL
50 mM	0.0534 mL	0.267 mL	0.534 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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