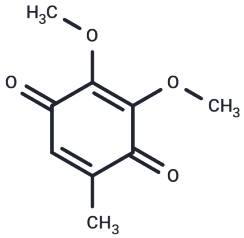
Data Sheet (Cat.No.T127402)

TargetMol

Coenzyme Q0

Chemical Properties



CAS No. : 605-94-7

Formula: C9H10O4

Molecular Weight: 182.17

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	Coenzyme Q0 (CoQ0), a potent, orally active ubiquinone compound derived from Antrodia cinnamomea, induces apoptosis and autophagy. It suppresses HER-2/AKT/mTOR signaling, enhancing apoptosis and autophagy mechanisms. Additionally, Coenzyme Q0 regulates NFκB/AP-1 activation and promotes Nrf2 stabilization, contributing to the attenuation of inflammation and redox imbalance. It also exhibits anti-angiogenic activity by downregulating MMP-9/NF-κB and upregulating HO-1 signaling.
Targets(IC50)	Apoptosis,MMP,EGFR,Bcl-2 Family,Others,NF-κB,Reactive Oxygen Species,Akt,Caspase,NO Synthase,Autophagy,COX,Interleukin,mTOR,PARP,ROS,TNF
In vitro	The branches of Kielmeyera by n-hexane isolation of 3,4-Dihydroxy-2-methoxyxanthone, showed moderate to low activity against the tested MRSA strains.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4894 mL	27.4469 mL	54.8938 mL
5 mM	1.0979 mL	5.4894 mL	10.9788 mL
10 mM	0.5489 mL	2.7447 mL	5.4894 mL
50 mM	0.1098 mL	0.5489 mL	1.0979 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.

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