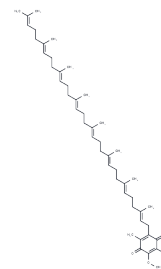


## Coenzyme Q8

## Chemical Properties

CAS No. :	2394-68-5
Formula:	C49H74O4
Molecular Weight:	727.11
Storage:	Keep away from direct sunlight,Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Coenzyme Q8 (Ubiquinone 8) is an isoprenoid quinone isolated from the plasma membrane of wild-type or long-lived qm30 and qm51 clk-1 mutant strains of <i>Cryptomeria cepacia</i> that mediates electron transfer in the aerobic respiratory chain and reduces oxidative stress.
Targets(IC50)	Endogenous Metabolite,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3753 mL	6.8765 mL	13.7531 mL
5 mM	0.2751 mL	1.3753 mL	2.7506 mL
10 mM	0.1375 mL	0.6877 mL	1.3753 mL
50 mM	0.0275 mL	0.1375 mL	0.2751 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.

## Reference

Tempelhagen L, et al. Cultivation at high osmotic pressure confers ubiquinone 8-independent protection of respiration on *Escherichia coli*. *J Biol Chem*. 2020 Jan 24;295(4):981-993.

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