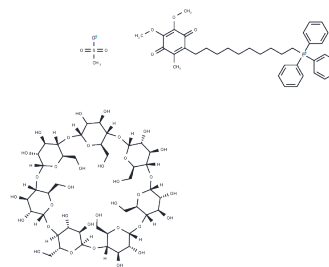


Mitoquinone-cyclodextrin

Chemical Properties

CAS No. :	845959-52-6
Formula:	C80H117O42PS
Molecular Weight:	1813.81
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Mitoquinone-cyclodextrin is a 1:1 molar ratio complex of Mitoquinone mesylate with cyclodextrin. Mitoquinone mesylate is a mitochondria-targeted antioxidant designed to accumulate within mitochondria in vivo in order to protect against oxidative damage. MitoQ comprises a positively charged lipophilic cation that drives its extensive accumulation within the negatively charged mitochondria inside cells.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5513 mL	2.7566 mL	5.5133 mL
5 mM	0.1103 mL	0.5513 mL	1.1027 mL
10 mM	0.0551 mL	0.2757 mL	0.5513 mL
50 mM	0.011 mL	0.0551 mL	0.1103 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.

Reference

Tate AD, Antonelli PJ, Hannabass KR, Dirain CO. Mitochondria-Targeted Antioxidant Mitoquinone Reduces Cisplatin-Induced Ototoxicity in Guinea Pigs. Otolaryngol Head Neck Surg. 2017 Mar;156(3):543-548. doi: 10.1177

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