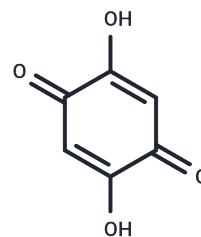


2,5-Dihydroxy-1,4-benzoquinone

Chemical Properties

CAS No. :	615-94-1
Formula:	C ₆ H ₄ O ₄
Molecular Weight:	140.09
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	2,5-Dihydroxy-1,4-benzoquinone is a natural product with antimicrobial activity that reduces trophic growth and inhibits spore germination in six fungal species across 12 different genera.
Targets(IC50)	Others,Antibiotic

Solubility Information

Solubility	DMSO: 50 mg/mL (356.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.1383 mL	35.6913 mL	71.3827 mL
5 mM	1.4277 mL	7.1383 mL	14.2765 mL
10 mM	0.7138 mL	3.5691 mL	7.1383 mL
50 mM	0.1428 mL	0.7138 mL	1.4277 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

Cowan JA, et al. The 1:1 adduct of 2,5-dihydroxy-1,4-benzoquinone with 4,4'-bipyridine. Acta Crystallogr C. 2001; 57(Pt 3):302-303.

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