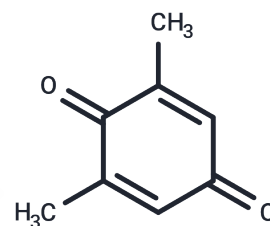


## 2,6-Dimethylbenzoquinone

## Chemical Properties

CAS No. :	527-61-7
Formula:	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>
Molecular Weight:	136.15
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2,6-Dimethylbenzoquinone (2,6-Dimethylquinone) is a benzoquinone, a chemical compound found in Rauvolfia vomitoria and in Tibouchina pulchra. At physiological concentrations 2, 6-Dimethoxy-p-benzoquinone is an antibacterial substance
Targets(IC50)	Others,Photosystem (PS)

## Solubility Information

Solubility	DMSO: 50 mg/mL (367.24 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	7.3448 mL	36.7242 mL	73.4484 mL
5 mM	1.469 mL	7.3448 mL	14.6897 mL
10 mM	0.7345 mL	3.6724 mL	7.3448 mL
50 mM	0.1469 mL	0.7345 mL	1.469 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

Jones E, et al. Plant Anticancer Agents. XI. 2,6-Dimethoxybenzoquinone as a Cytotoxic Constituent of *Tibouchina pulchra*. J. Nat. Prod., 1981, 44 (4), pp 493-494

Kinichi Hasegawa, et al. 2,6-Dimethoxy-p-benzoquinone as an antibacterial substance in the bark of *Phyllostachys heterocycla* var. *pubescens*, a species of thick-stemmed bamboo. Atsuyoshi Nishina, Agric. Food Chem., 1991, 39 (2), pp 266-269

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