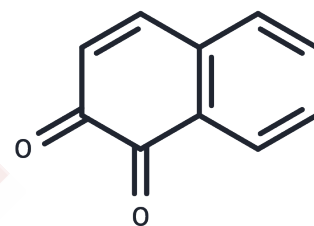


## 1,2-Naphthoquinone

## Chemical Properties

CAS No. :	524-42-5
Formula:	C <sub>10</sub> H <sub>6</sub> O <sub>2</sub>
Molecular Weight:	158.15
Storage:	Store at 4°C Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1,2-Naphthoquinone inhibits urease in bacteria and plants, induces apoptosis in PBMC cells, and exhibits inhibitory activity against hiCE, hCE1, hAChE, and hBChE.
Targets(IC50)	Apoptosis,Others,AChR,Cholinesterase (ChE)

## Solubility Information

Solubility	DMSO: 5 mg/mL (31.62 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	6.3231 mL	31.6156 mL	63.2311 mL
5 mM	1.2646 mL	6.3231 mL	12.6462 mL
10 mM	0.6323 mL	3.1616 mL	6.3231 mL
50 mM	0.1265 mL	0.6323 mL	1.2646 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

Yu G, et al. Whole-Exome Sequencing of Nasopharyngeal Carcinoma Families Reveals Novel Variants Potentially Involved in Nasopharyngeal Carcinoma. Sci Rep. 2019 Jul 9;9(1):9916.

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