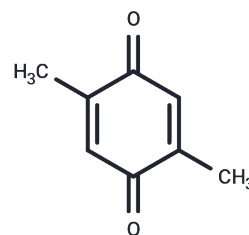


2,5-Dimethylcyclohexa-2,5-diene-1,4-dione

Chemical Properties

CAS No. :	137-18-8
Formula:	C ₈ H ₈ O ₂
Molecular Weight:	136.15
Storage:	Store at 4°C Actual storage temperature shall be subject to the COA.



Biological Description

Description	2,5-Dimethylcyclohexa-2,5-diene-1,4-dione inhibits the viability of HL60 and K562 cells and exhibits antibacterial and anticancer properties.
Targets(IC50)	Apoptosis,Antibacterial

Solubility Information

Solubility	DMSO: 40 mg/mL (293.79 mM),Sonication is recommended. Ethanol: 5.2 mg/mL (38.19 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

- Ryu CK, Song AL, Lee JY, Hong JA, Yoon JH, Kim A. Synthesis and antifungal activity of benzofuran-5-ols. *Bioorganic & Medicinal Chemistry Letters*. 2010 Nov;20(22):6777-6780.
- Sansom CE, Larsen L, Perry NB, Berridge MV, Chia EW, Harper JL, Webb VL. An Antiproliferative Bis-prenylated Quinone from the New Zealand Brown Alga *Perithalia capillaris*. *Journal of Natural Products*. 2007 Dec 1;70(12):2042-2044.

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