

## 2-Methylcyclohexa-2,5-diene-1,4-dione

## Chemical Properties

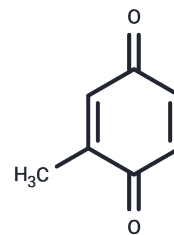
CAS No. : 553-97-9

Formula: C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>

Molecular Weight: 122.12

Storage: Keep away from direct sunlight, Store under nitrogen  
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-Methylcyclohexa-2,5-diene-1,4-dione exhibits inhibitory activity against cancer cells such as A2780, HT-29, HL-60, and K562 (IC <sub>50</sub> = 2.8-12.1 μM) and antibacterial activity against Bacillus subtilis.
Targets(IC <sub>50</sub> )	Apoptosis, Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.1887 mL	40.9433 mL	81.8867 mL
5 mM	1.6377 mL	8.1887 mL	16.3773 mL
10 mM	0.8189 mL	4.0943 mL	8.1887 mL
50 mM	0.1638 mL	0.8189 mL	1.6377 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

Brandão P, et al. Norhierridin B, a New Hierridin B-Based Hydroquinone with Improved Antiproliferative Activity. *Molecules*. 2020 Mar 30;25(7):1578. doi: 10.3390/molecules25071578. PMID: 32235535; PMCID: PMC7181126.

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