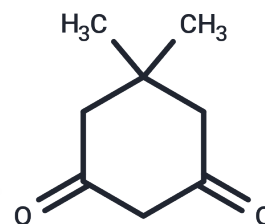


## Dimedone

## Chemical Properties

CAS No. :	126-81-8
Formula:	C <sub>8</sub> H <sub>12</sub> O <sub>2</sub>
Molecular Weight:	140.18
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	Dimedone is a cyclic $\beta$ -diketone widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 180 mg/mL (1284.06 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	7.1337 mL	35.6684 mL	71.3369 mL
5 mM	1.4267 mL	7.1337 mL	14.2674 mL
10 mM	0.7134 mL	3.5668 mL	7.1337 mL
50 mM	0.1427 mL	0.7134 mL	1.4267 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

Bischoff E, et al. Glutathione kinetically outcompetes reactions between dimedone and a cyclic sulfenamide or physiological sulfenic acids. Free Radic Biol Med. 2023 Nov 1;208:165-177.

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