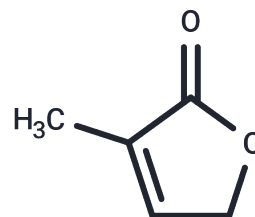


## 3-Methyl-2(5H)-furanone

## Chemical Properties

CAS No. :	22122-36-7
Formula:	C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>
Molecular Weight:	98.1
Storage:	Keep away from moisture 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	3-Methyl-2(5H)-furanone is a furanone exhibiting antibacterial activity against <i>Klebsiella pneumoniae</i> , suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.1937 mL	50.9684 mL	101.9368 mL
5 mM	2.0387 mL	10.1937 mL	20.3874 mL
10 mM	1.0194 mL	5.0968 mL	10.1937 mL
50 mM	0.2039 mL	1.0194 mL	2.0387 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

Carmona-Orozco ML, Quiñones W, Robledo SM, Torres F, Echeverri F. Reversing the biofilm-inducing effect of two xanthenes from *Garcinia mangostana* by 3-methyl-2(5H)-furanone and N-butyryl-D-L homoserine lactone. *Phytomedicine*. 2023;120:155069.

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