# Data Sheet (Cat.No.T22309)



# 2,5-Dimethyl-3(2H)-furanone

Chemical Propert	ies	
CAS No. :	14400-67-0	0
Formula:	С6Н8О2	
Molecular Weight:	112.13	CH3
Appearance:	no data available	) o
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	H <sub>3</sub> C

## **Biological Description**

Description	2,5-Dimethyl-3(2H)-furanone (2,5-Dimethyl-2,3-dihydrofuran-3-one) is a non-genotoxic flavoring substance [1].
Targets(IC50)	Others

Solubility Information	
Solubility	DMSO: 99 mg/mL (882.90 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.9182 mL	44.5911 mL	89.1822 mL
5 mM	1.7836 mL	8.9182 mL	17.8364 mL
10 mM	0.8918 mL	4.4591 mL	8.9182 mL
50 mM	0.1784 mL	0.8918 mL	1.7836 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.

### Reference

EFSA Panel on Food Contact Materials, Enzymes, Flavourings and Processing Aids. Scientific Opinion on Flavouring Group Evaluation 220 Revision 3 (FGE.220Rev3): Consideration of genotoxic potential for α,β-unsaturated 3(2H)-

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