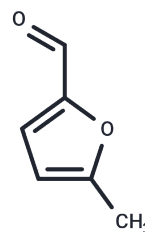


5-Methylfurfural

Chemical Properties

CAS No. :	620-02-0
Formula:	C ₆ H ₆ O ₂
Molecular Weight:	110.11
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	5-Methylfurfural (5-Methyl-2-furaldehyde) has been identified as one of the volatile flavor compounds in tamarind, Dutch Coffee, barrel-aged wines and deep fat-fried soybeans.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (454.09 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	9.0818 mL	45.4091 mL	90.8183 mL
5 mM	1.8164 mL	9.0818 mL	18.1637 mL
10 mM	0.9082 mL	4.5409 mL	9.0818 mL
50 mM	0.1816 mL	0.9082 mL	1.8164 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

Spillman PJ, et al. Formation and Degradation of Furfuryl Alcohol, 5-Methylfurfuryl Alcohol, Vanillyl Alcohol, and Their Ethyl Ethers in Barrel-Aged Wines. J Agric Food Chem. 1998 Feb 16;46(2):657-663.

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