

5-Methyl-2-furanmethanol

Chemical Properties

CAS No. :	3857-25-8
Formula:	C ₆ H ₈ O ₂
Molecular Weight:	112.126
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	5-Methyl-2-furanmethanol is a natural product that can be isolated from the essential oil of <i>D. rupicola</i> Biv. 5-Methyl-2-furanmethanol serves as a key intermediate in organic synthesis for the production of pharmaceuticals, pesticides, and dyes. With its mild, fruity furanol and caramel-like aroma, 5-Methyl-2-furanmethanol is used as a raw material in the fragrance and food additive industries.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80.00 mg/mL (713.48 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	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.

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

Simona Casiglia, et al. Volatile constituents of *Dianthus rupicola* Biv. from Sicily: activity against microorganisms affecting cellulosic objects. *Nat Prod Res.* 2014;28(20):1739-46.

Anja Hortemo Høie, et al. Genotoxicity of three food processing contaminants in transgenic mice expressing human sulfotransferases 1A1 and 1A2 as assessed by the in vivo alkaline single cell gel electrophoresis assay. *Environ Mol Mutagen.* 2015 Oct; 56(8): 709-714.

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