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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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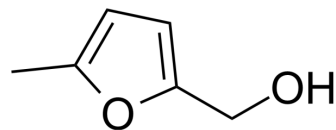
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5-Methyl-2-furanmethanol

Cat. No.:	HY-W087919		
CAS No.:	3857-25-8		
Molecular Formula:	C ₆ H ₈ O ₂		
Molecular Weight:	112.13		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (891.82 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (22.30 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (22.30 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (22.30 mM); Clear solution 			

BIOLOGICAL ACTIVITY

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 also acts as a oxidative product of 2,5 dimethylfuran (DMF) by cytochrome P450 (CYP) ^{[1][2]} .
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REFERENCES

[1]. 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.

[2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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