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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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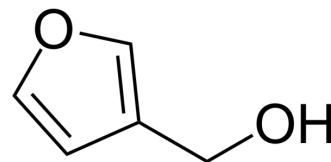
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3-Furanmethanol

Cat. No.:	HY-W007708		
CAS No.:	4412-91-3		
Molecular Formula:	C ₅ H ₆ O ₂		
Molecular Weight:	98.1		
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 (1019.37 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1.25 mg/mL (12.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.25 mg/mL (12.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.25 mg/mL (12.74 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Furanmethanol belongs to the compound class of furan with a wide range of sensory properties. 2-cyanonaphthalenes undergo photocycloaddition reactions with 3-Furanmethanol efficiently and with high degrees of regioselectivity^{[1][2]}.

REFERENCES

[1]. Ivan Salmerón, et al. Sensory characteristics and volatile composition of a cereal beverage fermented with Bifidobacterium breve NCIMB 702257. Food Sci Technol Int.

2014 Apr;20(3):205-13.

[2]. Hajime Maeda, et al. Hydrogen-bonding directed, regioselective photocycloaddition reactions of cyanonaphthalenes with furanmethanols. Photochem Photobiol Sci. 2011 Sep;10(9):1445-9.

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

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