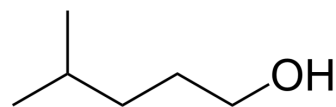


4-Methyl-1-pentanol

Cat. No.:	HY-W007511		
CAS No.:	626-89-1		
Molecular Formula:	C ₆ H ₁₄ O		
Molecular Weight:	102.18		
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 (978.67 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	9.7867 mL	48.9333 mL	97.8665 mL
	5 mM	1.9573 mL	9.7867 mL	19.5733 mL
	10 mM	0.9787 mL	4.8933 mL	9.7867 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: ≥ 2.5 mg/mL (24.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (24.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (24.47 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Methyl-1-pentanol (Isohexanol) is a volatile aroma compound of red wine from cv. Kalecik Karası^[1].

REFERENCES

[1]. Selli S, et, al. Volatile composition of red wine from cv. Kalecik Karası grown in central Anatolia

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

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