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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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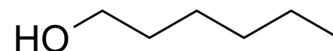
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1-Hexanol

Cat. No.:	HY-W032022		
CAS No.:	111-27-3		
Molecular Formula:	C ₆ H ₁₄ O		
Molecular Weight:	102.17		
Target:	Biochemical Assay Reagents		
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

Ethanol : 100 mg/mL (978.76 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	9.7876 mL	48.9380 mL	97.8761 mL
	5 mM	1.9575 mL	9.7876 mL	19.5752 mL
	10 mM	0.9788 mL	4.8938 mL	9.7876 mL

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

In Vivo

- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (24.47 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (24.47 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (24.47 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1-Hexanol, a primary alcohol, is a surfactant that can be employed in industrial processes to enhance interfacial properties [1]. 1-Hexanol uncouples mitochondrial respiration by a non-protonophoric mechanism [2].

REFERENCES

[1]. Cuong V Nguyen, et al. Surface potential of 1-hexanol solution: comparison with methyl isobutyl carbinol. J Phys Chem B. 2013 Jun 27;117(25):7615-20.

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

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