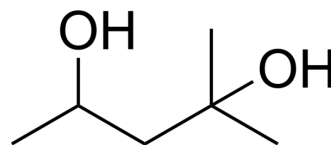


Hexylene glycol

Cat. No.:	HY-B0903		
CAS No.:	107-41-5		
Molecular Formula:	C ₆ H ₁₄ O ₂		
Molecular Weight:	118.17		
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

H₂O : 100 mg/mL (846.24 mM; Need ultrasonic)

DMSO : ≥ 100 mg/mL (846.24 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	8.4624 mL	42.3119 mL	84.6238 mL
	5 mM	1.6925 mL	8.4624 mL	16.9248 mL
	10 mM	0.8462 mL	4.2312 mL	8.4624 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (846.24 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (21.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (21.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (21.16 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Hexylene glycol is a low molecular weight surfactant that is widely used as an industrial coating solvent without causing adverse health or environmental effects.

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

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