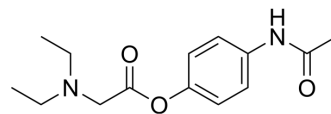


Propacetamol

Cat. No.:	HY-145453		
CAS No.:	66532-85-2		
Molecular Formula:	C ₁₄ H ₂₀ N ₂ O ₃		
Molecular Weight:	264.32		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-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 (378.33 mM; Need ultrasonic)
 DMSO : 33.33 mg/mL (126.10 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7833 mL	18.9165 mL	37.8329 mL
	5 mM	0.7567 mL	3.7833 mL	7.5666 mL
	10 mM	0.3783 mL	1.8916 mL	3.7833 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 (378.33 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.46 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (7.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Propacetamol is an analgesic agent. Propacetamol also is a precursor form of paracetamol. Propacetamol can be used in postoperative pain, acute trauma and gastrointestinal disorders^[1].

REFERENCES

[1]. Ewan D McNicol, et al. Single dose intravenous paracetamol or intravenous propacetamol for postoperative pain. Cochrane Database Syst Rev.

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

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