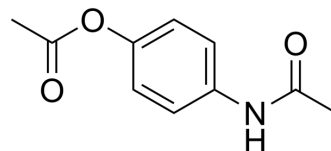


4-Acetamidophenyl acetate

Cat. No.:	HY-66004		
CAS No.:	2623-33-8		
Molecular Formula:	C ₁₀ H ₁₁ NO ₃		
Molecular Weight:	193.2		
Target:	Bacterial; Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-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 (517.60 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.1760 mL	25.8799 mL	51.7598 mL
	5 mM	1.0352 mL	5.1760 mL	10.3520 mL
	10 mM	0.5176 mL	2.5880 mL	5.1760 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 (12.94 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (12.94 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (12.94 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Acetamidophenyl acetate is an impurity of Acetaminophen (paracetamol). Acetaminophen, an analgesic agent, is a selective COX-2 inhibitor (IC₅₀=25.8 μM), and is a potent hepatic N-acetyltransferase 2 (NAT2) inhibitor^{[1][2]}.

REFERENCES

- [1]. Hinz, B, et al. Acetaminophen (paracetamol) is a selective cyclooxygenase-2 inhibitor in man. FASEB J, 2008. 22(2): p. 383-90.

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

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