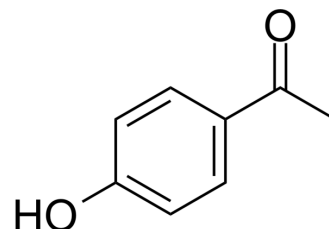


## 4-Hydroxyacetophenone

Cat. No.:	HY-Y0073		
CAS No.:	99-93-4		
Molecular Formula:	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>		
Molecular Weight:	136.15		
Target:	HBV		
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 (734.48 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.3448 mL	36.7242 mL	73.4484 mL
		5 mM	1.4690 mL	7.3448 mL	14.6897 mL
10 mM		0.7345 mL	3.6724 mL	7.3448 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	4-Hydroxyacetophenone (P-hydroxyacetophenone) is a key hepatoprotective and choleric compound in <i>Artemisia capillaris</i> and <i>A. morrisonensis</i> , also has an anti-hepatitis B virus effect and anti-inflammatory effect <sup>[1]</sup> .
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### REFERENCES

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[1]. Ching-Wen C, et al. p-Hydroxyacetophenone suppresses nuclear factor- $\kappa$ B-related inflammation in nociceptive and inflammatory animal models. J Nat Med. 2017 Apr;71(2):422-432.

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

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