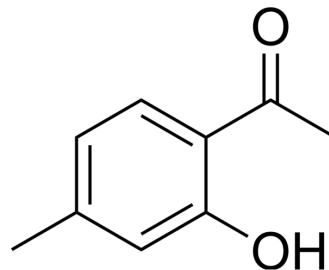


2'-Hydroxy-4'-methylacetophenone

Cat. No.:	HY-34204		
CAS No.:	6921-64-8		
Molecular Formula:	C ₉ H ₁₀ O ₂		
Molecular Weight:	150.17		
Target:	Parasite		
Pathway:	Anti-infection		
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	DMSO : 100 mg/mL (665.91 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.6591 mL	33.2956 mL	66.5912 mL
		5 mM	1.3318 mL	6.6591 mL	13.3182 mL
10 mM		0.6659 mL	3.3296 mL	6.6591 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	2'-Hydroxy-4'-methylacetophenone, a phenolic compound isolated from Angelicae koreana roots possesses acaricidal property ^[1] . It could be used in the preparation of 4'-methyl-2'-[(p-tolylsulfonyl) oxy] acetophenone ^[2] .
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REFERENCES

[1]. Oh MS, et al. Acaricidal toxicity of 2'-hydroxy-4'-methylacetophenone isolated from Angelicae koreana roots and structure-activity relationships of its derivatives. J Agric

Food Chem. 2012 Apr 11;60(14):3606-11.

[2]. De Meyer N, et al. 4'-Hydroxy-3-methoxyflavones with potent antipicornavirus activity. J Med Chem. 1991 Feb;34(2):736-46.

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

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