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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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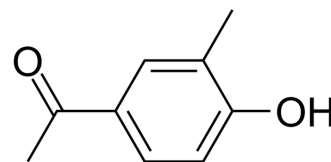
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4'-Hydroxy-3'-methylacetophenone

Cat. No.:	HY-W001663		
CAS No.:	876-02-8		
Molecular Formula:	C ₉ H ₁₀ O ₂		
Molecular Weight:	150.17		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (665.91 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

- 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

4'-Hydroxy-3'-methylacetophenone, a phenolic volatile compound, is isolated from Hawaiian green coffee beans (*Coffea Arabica* L.). 4'-Hydroxy-3'-methylacetophenone has potent antioxidant activities. 4'-Hydroxy-3'-methylacetophenone also can be used to synthesize heterocyclic compounds which have antimycobacterial activity^{[1][2]}.

REFERENCES

[1]. Lee KG, et, al. Analysis of volatile components isolated from Hawaiian green coffee beans (*Coffea arabica* L.). *Flavour and Fragrance Journal*. 2002 Sep; 17 (5): 349-351.

[2]. YAR MS, et, al. Synthesis and antimycobacterial activity of novel heterocycles. *J. Serb. Chem. Soc.* 72 (1) 5-11 (2007).

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

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