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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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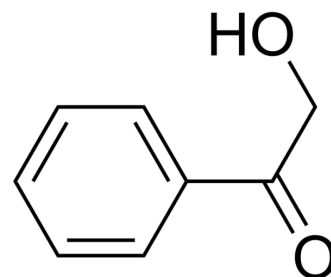
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2-Hydroxyacetophenone

Cat. No.:	HY-W002198		
CAS No.:	582-24-1		
Molecular Formula:	C ₈ H ₈ O ₂		
Molecular Weight:	136.15		
Target:	HIV; SARS-CoV		
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 : 12.5 mg/mL (91.81 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	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

- 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
- 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
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-Hydroxyacetophenone is a principal root volatile of the *Carissa edulis*^[1]. 2-Hydroxyacetophenone shows inhibitory effects on infection of HIV/SARS-CoV S pseudovirus with an IC₅₀ of 1.8 mM^[2].

IC₅₀ & Target

HIV

REFERENCES

[1]. M D Bentley, et al. 2-Hydroxyacetophenone: principal root volatile of the East African medicinal plant, *Carissa edulis*. *J Nat Prod*. Nov-Dec 1984;47(6):1056-7.

[2]. Min Zhuang, et al. Procyanidins and butanol extract of *Cinnamomi Cortex* inhibit SARS-CoV infection. *Antiviral Res*. 2009 Apr;82(1):73-81.

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

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