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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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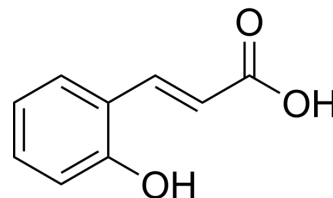
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2-Hydroxycinnamic acid

Cat. No.:	HY-W012531	
CAS No.:	614-60-8	
Molecular Formula:	C ₉ H ₈ O ₃	
Molecular Weight:	164.16	
Target:	HIV; SARS-CoV; Endogenous Metabolite	
Pathway:	Anti-infection; Metabolic Enzyme/Protease	
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 (609.16 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.0916 mL	30.4581 mL	60.9162 mL
		5 mM	1.2183 mL	6.0916 mL	12.1832 mL
10 mM		0.6092 mL	3.0458 mL	6.0916 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 (15.23 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.23 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.23 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	2-Hydroxycinnamic acid is isolated from the methanol extract of Cinnamomum cassia. 2-Hydroxycinnamic acid shows inhibitory effects on infection of HIV/SARS-CoV S pseudovirus with an IC ₅₀ of 0.3 mM ^[2]	
IC₅₀ & Target	HIV	Human Endogenous Metabolite

REFERENCES

[1]. Tran Minh Ngoc, et al. A new coumarin and cytotoxic activities of constituents from Cinnamomum cassia. Nat Prod Commun. 2014 Apr;9(4):487-8.

[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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