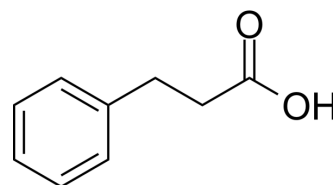


Hydrocinnamic acid

Cat. No.:	HY-Y1088		
CAS No.:	501-52-0		
Molecular Formula:	C ₉ H ₁₀ O ₂		
Molecular Weight:	150.17		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (33.30 mM; Need ultrasonic)

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.

BIOLOGICAL ACTIVITY

Description	Hydrocinnamic acid is the major rhizospheric compound with known growth regulatory activities.			
IC ₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite	Microbial Metabolite	Human Endogenous Metabolite
In Vitro	<p>The major compound, Hydroxyhydrocinnamic acid, is found to have a strong inhibitory effect on the elongation of radish root. The richness of Hydrocinnamic acids in the mixture is interesting, because they have synergistic effects on the gibberellic acid-induced hypocotyl elongation of lettuce seedlings^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>			

REFERENCES

[1]. Tang CS, et al. Collection and Identification of Allelopathic Compounds from the Undisturbed Root System of Bigalta Limpogress (*Hemarthria altissima*). *Plant Physiol.*

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

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