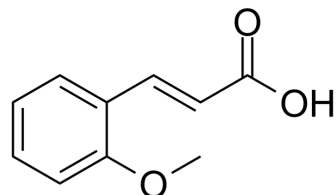


2-Methoxycinnamic acid

Cat. No.:	HY-N1386		
CAS No.:	6099-03-2		
Molecular Formula:	C ₁₀ H ₁₀ O ₃		
Molecular Weight:	178.18		
Target:	Tyrosinase		
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	DMSO : 100 mg/mL (561.23 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.6123 mL	28.0615 mL	56.1230 mL
		5 mM	1.1225 mL	5.6123 mL	11.2246 mL
10 mM		0.5612 mL	2.8062 mL	5.6123 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 (14.03 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.03 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	2-Methoxycinnamic acid is a noncompetitive inhibitor of tyrosinase ^[1] .
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REFERENCES

[1]. Lee HS, et al. Tyrosinase inhibitors of Pulsatilla cernua root-derived materials. J Agric Food Chem. 2002 Mar 13;50(6):1400-3.

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

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