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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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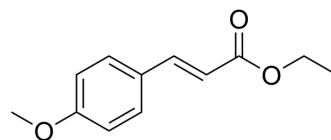
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(E)-Ethyl p-methoxycinnamate

Cat. No.:	HY-N0346A		
CAS No.:	24393-56-4		
Molecular Formula:	C ₁₂ H ₁₄ O ₃		
Molecular Weight:	206.24		
Target:	COX		
Pathway:	Immunology/Inflammation		
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 (484.87 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	4.8487 mL	24.2436 mL
	5 mM	0.9697 mL	4.8487 mL	
	10 mM	0.4849 mL	2.4244 mL	4.8487 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.12 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (12.12 mM); Suspended solution; Need ultrasonic			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.12 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	(E)-Ethyl p-methoxycinnamate is a natural product found in Kaempferia galangal with anti-inflammatory, anti-neoplastic and anti-microbial effects. (E)-Ethyl p-methoxycinnamate inhibits COX-1 and COX-2 in vitro with IC ₅₀ s of 1.12 and 0.83 μM, respectively ^[1] .	
IC ₅₀ & Target	COX-1 1.12 μM (IC ₅₀)	COX-2 0.83 μM (IC ₅₀)

REFERENCES

[1]. Umar MI, et al. Bioactivity-guided isolation of ethyl-p-methoxycinnamate, an anti-inflammatory constituent, from *Kaempferia galangal* L. extracts. *Molecules*. 2012 Jul 23;17(7):8720-34.

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

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