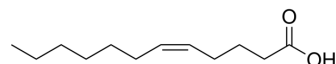


cis-5-Dodecenoic acid

Cat. No.:	HY-N8469
CAS No.:	2430-94-6
Molecular Formula:	C ₁₂ H ₂₂ O ₂
Molecular Weight:	198.3
Target:	Endogenous Metabolite; COX
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (504.29 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		5.0429 mL	25.2143 mL	50.4286 mL
		5 mM		1.0086 mL	5.0429 mL	10.0857 mL
		10 mM		0.5043 mL	2.5214 mL	5.0429 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 (12.61 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	cis-5-Dodecenoic acid is an endogenous metabolite with inhibitory activities against COX-I and COX-II ^[1] .			
IC ₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite	COX-1	COX-2

REFERENCES

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

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