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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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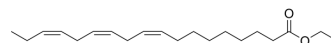
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Ethyl linolenate

Cat. No.:	HY-N2073
CAS No.:	1191-41-9
Molecular Formula:	C ₂₀ H ₃₄ O ₂
Molecular Weight:	306.48
Target:	MCHR1 (GPR24)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (326.29 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.2629 mL	16.3143 mL	32.6286 mL
		5 mM		0.6526 mL	3.2629 mL	6.5257 mL
		10 mM		0.3263 mL	1.6314 mL	3.2629 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 (8.16 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (8.16 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.16 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ethyl linolenate is a fatty acid ethyl ester (FAEE). Ethyl linolenate plays an active role in inhibition of the cellular production on melanin with an IC ₅₀ of 70 μM. Anti-melanogenesis Effects ^[1] .
In Vitro	Ethyl linolenate significantly blocks Forskolin-induced melanogenesis and inhibits tyrosinase activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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