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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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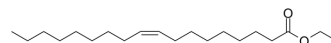
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Ethyl oleate

Cat. No.:	HY-N7103		
CAS No.:	111-62-6		
Molecular Formula:	C ₂₀ H ₃₈ O ₂		
Molecular Weight:	310.51		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (161.03 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2205 mL	16.1025 mL	32.2051 mL
5 mM	0.6441 mL	3.2205 mL	6.4410 mL
10 mM	0.3221 mL	1.6103 mL	3.2205 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (8.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (8.05 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.05 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ethyl Oleate is a fatty acid ester formed by the condensation of oleic acid and ethanol. Ethyl oleate is the liquid lipid component in nanostructured lipid carriers (NLCs). NLC is a promising vehicle for oral trans-Ferulic acid (TFA) administration [1].

REFERENCES

[1]. Zhang Y, et al. Ethyl oleate-containing nanostructured lipid carriers improve oral bioavailability of trans-ferulic acid as compared with conventional solid lipid nanoparticles. Int J Pharm. 2016 Sep 10;511(1):57-64.

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

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