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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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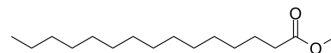
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Methyl pentadecanoate

Cat. No.:	HY-W004289		
CAS No.:	7132-64-1		
Molecular Formula:	C ₁₆ H ₃₂ O ₂		
Molecular Weight:	256.42		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (48.75 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.8999 mL	19.4993 mL	38.9985 mL
		5 mM	0.7800 mL	3.8999 mL	7.7997 mL
10 mM		0.3900 mL	1.9499 mL	3.8999 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: ≥ 1.25 mg/mL (4.87 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Methyl pentadecanoate is a fatty acid ester, can be isolated from <i>L. wallichii</i> extracts. Methyl pentadecanoate is obtained by condensation of the carboxy group of pentadecanoic acid with the hydroxy group of methanol ^[1] .
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REFERENCES

- [1]. Ko Wun-Chang, et al. Gas chromatography-mass spectrometry of the constituents of *Ligusticum wallichii*. II. *Huaxue*.1974;2:49-53.
- [2]. Campalani, Carlotta et al. "Supercritical CO₂ as a green solvent for the circular economy: Extraction of fatty acids from fruit pomace." *Journal of CO₂ Utilization* 41 (2020): 101259-101264.

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

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