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Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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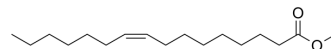
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Methyl palmitoleate

Cat. No.:	HY-W011688		
CAS No.:	1120-25-8		
Molecular Formula:	C ₁₇ H ₃₂ O ₂		
Molecular Weight:	268.43		
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 : 100 mg/mL (372.54 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7254 mL	18.6268 mL	37.2537 mL
	5 mM	0.7451 mL	3.7254 mL	7.4507 mL
	10 mM	0.3725 mL	1.8627 mL	3.7254 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 (9.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (9.31 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.31 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Methyl palmitoleate ((Z)-Methyl hexadec-9-enoate), a fatty acid methyl ester, is an analogue of Palmitoleate with cytoprotective and growth-promoting properties^[1].

CUSTOMER VALIDATION

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- Gut Microbes. 2023 Dec;15(2):2265578.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Eleftheria Diakogiannaki, et al. Mechanisms Involved in the Cytotoxic and Cytoprotective Actions of Saturated Versus Monounsaturated Long-Chain Fatty Acids in Pancreatic Beta-Cells. J Endocrinol. 2007 Aug;194(2):283-91.

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

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