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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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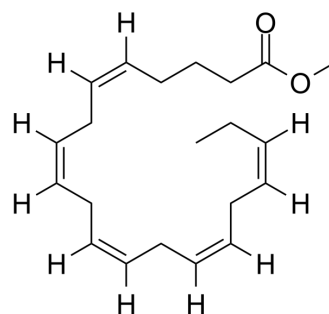
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Eicosapentaenoic acid methyl ester

Cat. No.:	HY-W011311	
CAS No.:	2734-47-6	
Molecular Formula:	C ₂₁ H ₃₂ O ₂	
Molecular Weight:	316.49	
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 : 100 mg/mL (315.97 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1597 mL	15.7983 mL	31.5966 mL
	5 mM	0.6319 mL	3.1597 mL	6.3193 mL
	10 mM	0.3160 mL	1.5798 mL	3.1597 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 (7.90 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.90 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Eicosapentaenoic acid methyl ester is a degradant of a monogalactosyl diacylglycerol (an anticancer compound by inducing apoptosis)^[1].

REFERENCES

- [1]. Andrianasolo EH, et, al. Apoptosis-inducing galactolipids from a cultured marine diatom, *Phaeodactylum tricornutum*. *J Nat Prod.* 2008 Jul;71(7):1197-201.

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

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