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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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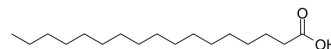
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Heptadecanoic acid

Cat. No.:	HY-W004284		
CAS No.:	506-12-7		
Molecular Formula:	C ₁₇ H ₃₄ O ₂		
Molecular Weight:	270.45		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 (369.75 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.6975 mL	18.4877 mL	36.9754 mL
	5 mM	0.7395 mL	3.6975 mL	7.3951 mL
	10 mM	0.3698 mL	1.8488 mL	3.6975 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: 3 mg/mL (11.09 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (9.24 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (9.24 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Heptadecanoic acid is an odd chain saturated fatty acid (OCS-FA). Heptadecanoic acid is associated with several diseases, including the incidence of coronary heart disease, prediabetes and type 2 diabetes as well as multiple sclerosis^[1].

CUSTOMER VALIDATION

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- Eur J Lipid Sci Technol. 2023 Feb 25.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Changzhi Xu, et al. Heptadecanoic acid inhibits cell proliferation in PC99 non-small cell lung cancer cells with acquired gefitinib resistance. Oncol Rep. 2019 Jun;41(6):3499-3507.

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

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