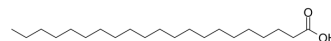


Heneicosanoic acid

Cat. No.:	HY-121447		
CAS No.:	2363-71-5		
Molecular Formula:	C ₂₁ H ₄₂ O ₂		
Molecular Weight:	326.56		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 14.29 mg/mL (43.76 mM; Need ultrasonic)
 DMSO : 3.33 mg/mL (10.20 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0622 mL	15.3111 mL	30.6222 mL
	5 mM	0.6124 mL	3.0622 mL	6.1244 mL
	10 mM	0.3062 mL	1.5311 mL	3.0622 mL

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

In Vivo

1. Add each solvent one by one: 10% EtOH >> 90% corn oil
 Solubility: ≥ 1.43 mg/mL (4.38 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Heneicosanoic acid is a long-chain saturated fatty acid which is found in plants and animals^{[1][2][3]}.

REFERENCES

- [1]. Kumari R, et, al. Chemical composition of the fatty oils of the seeds of Cleome viscosa accessions. Nat Prod Commun. 2012 Oct;7(10):1363-4.
- [2]. Turgumbayeva AA, et, al. Volatile oil composition of Carthamus Tinctorius L. flowers grown in Kazakhstan. Ann Agric Environ Med. 2018 Mar 14;25(1):87-89.
- [3]. Horvat RJ, et, al. Identification of some new minor acids from chicken skin lipids. Poult Sci. 1978 May;57(3):827-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA