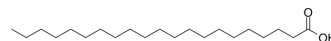


## Heneicosanoic acid

Cat. No.:	HY-121447		
CAS No.:	2363-71-5		
Molecular Formula:	C <sub>21</sub> H <sub>42</sub> O <sub>2</sub>		
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 : 2 mg/mL (6.12 mM; Need ultrasonic)

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<sup>[1][2][3]</sup>.

### 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.

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

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