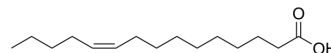


10(Z)-Pentadecenoic acid

Cat. No.:	HY-120996B
CAS No.:	84743-29-3
Molecular Formula:	C ₁₅ H ₂₈ O ₂
Molecular Weight:	240.38
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (416.01 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	4.1601 mL	20.8004 mL	41.6008 mL
		5 mM	0.8320 mL	4.1601 mL	8.3202 mL
		10 mM	0.4160 mL	2.0800 mL	4.1601 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.40 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.40 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.40 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	10(Z)-Pentadecenoic acid is an unsaturated fatty acid. Unsaturated fatty acids are an important class of lipid molecules whose chemical structure contains one or more double bonds.
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REFERENCES

[1]. Costabile M, et al. Inhibition of indoleamine 2,3-dioxygenase activity by fatty acids and prostaglandins: A structure function analysis. Prostaglandins Leukot Essent Fatty Acids. 2017 Jul;122:7-15.

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