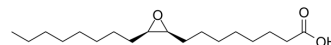


cis-9,10-Epoxyoctadecanoic acid

Cat. No.:	HY-129554		
CAS No.:	24560-98-3		
Molecular Formula:	C ₁₈ H ₃₄ O ₃		
Molecular Weight:	298.46		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (335.05 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3505 mL	16.7527 mL	33.5053 mL
		5 mM	0.6701 mL	3.3505 mL	6.7011 mL
10 mM		0.3351 mL	1.6753 mL	3.3505 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.38 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.38 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	cis-9,10-Epoxyoctadecanoic acid (cis-9,10-Epoxyoctadecanoic acid) is an endogenous constituent in human blood and urine. cis-9,10-Epoxyoctadecanoic acid (cis-9,10-Epoxyoctadecanoic acid) can be produced from oleic acid by enzymic and non-enzymic epoxidation ^[1] .
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REFERENCES

[1]. Tsikas D, et al. Gas chromatography-mass spectrometry of cis-9,10-epoxyoctadecanoic acid (cis-EODA). II. Quantitative determination of cis-EODA in human plasma. J Chromatogr B Analyt Technol Biomed Life Sci. 2004 May 25;804(2):403-12.

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

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