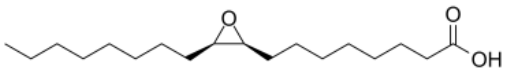
Product Data Sheet

Product Name: cis-9,10-Epoxystearic acid
Cat. No.: GC38205

Chemical Properties

Cas. No.	24560-98-3		
SMILES	O=C(O)CCCCCCC[C@@H]1O[C@@H]1CCCCCCCC		
Formula	$C_{18}H_{34}O_3$	M.Wt	298.46
Solubility	DMSO : 100 mg/mL (335.05 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



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

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

[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.

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