

## Product Data Sheet

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Product Name: cis-9,10-Epoxy stearic acid

Cat. No.: GC38205

### Chemical Properties

Cas. No. 24560-98-3

SMILES O=C(O)CCCCCCC[C@@H]1O[C@@H]1CCCCCCCC

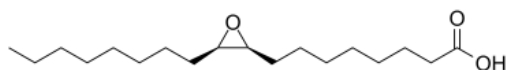
Formula  $C_{18}H_{34}O_3$  M.Wt 298.46

Solubility DMSO : 100 mg/mL (335.05 mM; Storage Store at -20°C  
Need ultrasonic)

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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

cis-9,10-Epoxy stearic acid (cis-9,10-Epoxyoctadecanoic acid) is an endogenous constituent in human blood and urine. cis-9,10-Epoxy stearic 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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