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**Product Data Sheet**

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Product Name: 2-hydroxy Tricosanoic Acid methyl ester

Cat. No.: GC18575

**Chemical Properties**

Cas. No. 118745-41-8

Chemical Name 2-hydroxy-tricosanoic acid, methyl ester

SMILES CCCCCCCCCCCCCCCCCCCC(O)C(OC)=OFormula  $C_{24}H_{48}O_3$  M.Wt 384.6Solubility Soluble in DMSO Storage Store at  $-20^{\circ}C$ General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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 **Background**

2-hydroxy Tricosanoic acid methyl ester is a hydroxylated fatty acid methyl ester that has been found in ripe and unripe strawberry homogenates, Pseudosuberites and S. massa sea sponges, sediment samples from the Harney River, and the aerial parts of A. pilosa. It inhibits protein tyrosine phosphatase 1B (PTP1B) and  $\alpha$ -glucosidase with IC50 values of 36.39 and 112.8  $\mu M$ , respectively.

**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