
Product Data Sheet

Product Name: C22 Sphingomyelin (d18:1/22:0)

Cat. No.: GC43071

Chemical Properties

Cas. No. 94359-12-3

SMILES O=C(CCCCCCCCCCCCCCCCCCCCCC)N[C@@H](COP(OCC[N+](C)(C)C)([O-])=O)[C@H](O)/C=C/CCCCCCCCCCCCCFormula C₄₅H₉₁N₂O₆P M.Wt 787.2

Solubility Ethanol: Soluble, Methanol: Soluble 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 **Background**

C22 Sphingomyelin is a naturally occurring form of sphingomyelin . Plasma levels of C22 sphingomyelin positively correlate with hepatic steatosis severity in patients with chronic hepatitis C virus (HCV). C22 Sphingomyelin levels are decreased in T-47D mammary epithelial cells and increased in MDA-MB-231 breast cancer cells relative to C16 sphingomyelin .

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