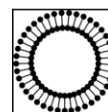
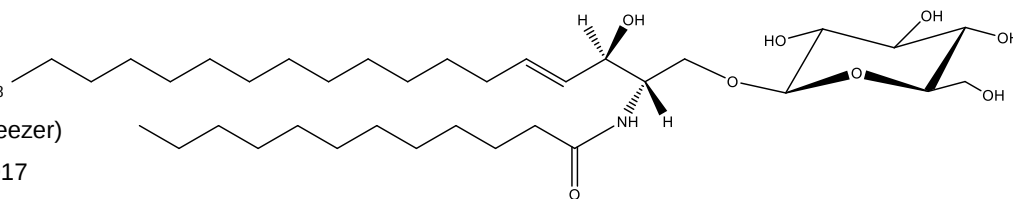


N-(docecanoyl)-1- β -glucosyl-sphing-4-enineGlucosyl(β) C12 Ceramide

LIPIDMAPS™ Compound ID: LMSP0501AA01

**Avanti®**
POLAR LIPIDS, INC.

Molecular Weight: 643.93
 Exact Mass: 643.50
 Molecular Formula: C₃₆H₆₉NO₈
 Storage: -20° C (Freezer)
 Manufacture Date: June 6, 2017
 Expiration Date: One year from date of receipt
 Physical Form: Ethanol Solution (1ml per vial)
 Concentration: 41.62 µg/ml (25.85 µM)
 Lot Number: LM2511-LM17-022A
 MLOT: 6437EAA022

**Certificate of Analysis**

Test	Limits	Result
Mass Spec	Consistent with Structure, [M+H] ⁺ = 644.9 ± 1amu	Pass
Quantitative LC/MS	Run and Report	41.62 µg/ml 25.85 µM
Proton NMR	Consistent with Structure	Pass
TLC Analysis (Mobile Phase 85:15 Chloroform:Methanol)	R _f consistent with structure, NLT 99% Purity	Pass
Ninhydrin	Negative	Negative
Iodine	One Major Spot	One Major Spot
Phosphorus	Negative	Negative
Char	Positive	Positive
Wet Dip	One Major Spot	One Major Spot

Approved by:

For Research Use Only. Not For Human Use.

Avanti Polar Lipids, Inc. 700 Industrial Park Drive, Alabaster, AL 35007-9105, USA
 • (800) 227-0651 • (205) 663-2494 • Fax (800) 229-1004 • (205) 663-0756
 • E-mail Orders: orders@avantilipids.com • E-mail Inquiries: info@avantilipids.com
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