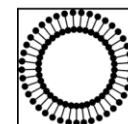


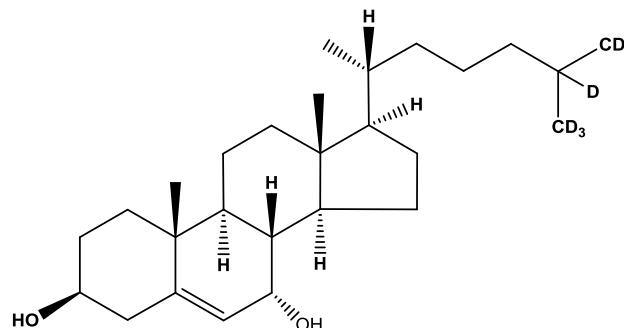
cholest-5-en-3β, 7α-diol(d7)

7α-hydroxy-cholesterol(d7)

LIPIDMAPS™ Compound ID: LMST01010006


Avanti[®]
POLAR LIPIDS, INC.

Molecular Weight: 409.70
 Exact Mass: 409.39
 Molecular Formula: C₂₇H₃₉D₇O₂
 Storage: -20° C (Freezer)
 Manufacture Date: November 2, 2017
 Expiration Date: One year from date of receipt
 Physical Form: Methanol (1ml per vial)
 Concentration: 64.83 µg/ml (158.24 µM)
 Lot Number: LM4103-LM17-048A
 MLot Number: 6441WAA048



Certificate of Analysis

Test	Limits	Result
Mass Spec	Consistent with Structure, [M-H ₂ O+NH ₄] ⁺ = 409.72 ±1amu	Pass
Quantitative LC/MS	Run and Report	64.83 µg/ml 158.24 µM
HPLC/ELSD	NLT 99% Purity (AUC)	100% AUC
Proton NMR	Consistent with Structure	Pass
TLC Analysis (Mobile Phase 65:25:4 Chloroform:Methanol:Water)	R _f consistent with structure, NLT 99% Purity	Pass
Ninhydrin	Negative	Negative
Iodine	One Major Spot	One Spot
Phosphorus	Negative	Negative
Char	Positive	Positive
Wet Dip	One Major Spot	One Spot

Approved by:

Avanti Polar Lipids, Inc. 700 Industrial Park Drive, Alabaster, AL 35007-9105, USA

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