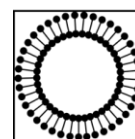
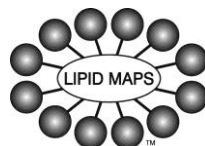


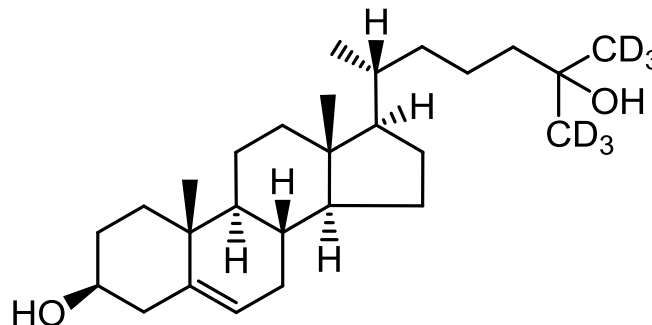
cholest-5-en-3 β ,25-diol(d6)

25-hydroxy-cholesterol(d6)

LIPIDMAPS™ Compound ID: LMST01010146


Avanti[®]
 POLAR LIPIDS, INC.

Molecular Weight: 408.69
 Exact Mass: 408.39
 Molecular Formula: C₂₇H₄₀D₆O₂
 Storage: -20° C (Freezer)
 Manufacture Date: July 13, 2017
 Expiration Date: One year from date of receipt
 Physical Form: Methanol Solution (1ml per vial)
 Concentration: 98.35 µg/ml (240.66 µM)
 Lot Number: LM4113-LM26-107B
 MLOT: 6442WAB107



Certificate of Analysis

Test	Limits	Result
Mass Spec	Consistent with Structure, [M+NH ₄] ⁺ = 426.5 ±1amu	Pass
Quantitative LC/MS	Run and Report	98.35 µg/ml 240.66 µM
HPLC/ELSD	NLT 99% Purity (AUC)	99.9% AUC
Proton NMR	Consistent with Structure	Pass
TLC Analysis (Mobile Phase 1:1 Hexane:Ethyl Acetate)	R _f consistent with structure, NLT 99% Purity	Pass
Ninhydrin	Negative	Negative
Iodine	One Major Spot	One Spot
Phosphorus	Positive	Positive
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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