LIPIDMAPS™ Mass Spec Internal Standard LM1002

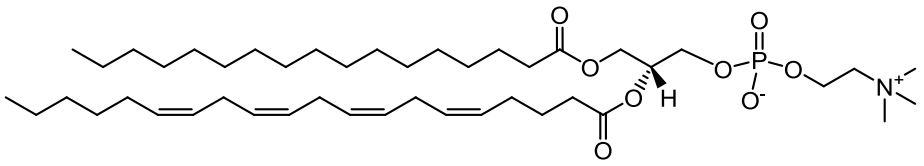
1-heptadecanoyl-2-(5Z,8Z,11Z,14Z-eicosatetraenoyl)-sn-glycero-3-phosphocholine

17:0-20:4 PC

LIPIDMAPS™ Compound ID: LMGP01010003

Avanti® Polar Lipids, Inc.

Molecular Weight:	796.108
Exact Mass:	795.578
Molecular Formula:	$C_{45}H_{82}NO_8P$
Storage:	-20° C (Freezer)
Manufacture Date:	June 27, 2019
Expiration Date:	One year from date of receipt
Physical Form:	Methanol Solution (1ml per vial)
Concentration:	9.73 µg/ml (12.22 µM)
Lot Number:	LM1002-LM17-044B
MLOT:	6406WAB044



Certificate of Analysis

Test	Limits	Result
Mass Spec	Consistent with Structure, $[M+H]^+$ = 796.7 ±1amu	Pass
Quantitative LC/MS	Run and Report	9.73 µg/ml 12.22 µM
HPLC/ELSD	NLT 99% Purity (AUC)	100% AUC
GC-FAME	NLT 99% Purity (AUC) (17:0+20:4)	99.7% AUC
Phosphorus NMR	Consistent with Structure	Pass
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	Positive	Positive
Char	Positive	Positive
Wet Dip	One Major Spot	One Spot

Approved by: Lori M. Connell

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