Avanti® Polar Lipids, Inc.

Certificate of Analysis

14:0 PC-d54

1,2-dimyristoyl-d54-sn-glycero-3-phosphocholine

860345P-200mg

Molecular Weight	732.265
Chemical Formula	$C_{36}H_{18}NO_8PD_{54}$
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5886PNA057
Avanti Lot Number	860345P-200MG-A-057

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	**Powder**: White solid which contains no foreign matter.	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	$[M+H]^+$ = 728.265 – 734.265 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	$[M+H]^+$ = 731.3 amu

Approved by:

Avanti Polar Lipids, Inc. 700 Industrial Park Drive, Alabaster, Alabama 35007-9105, USA
Telephone (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
E-mail Technical Questions: technical@avantilipids.com • Visit www.avantilipids.com