

16:0-d31 SM
N-palmitoyl-d31-D-erythro-sphingosylphosphorylcholine
868584P-1mg

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Molecular Weight	734.219
Chemical Formula	C ₃₉ H ₄₈ N ₂ O ₆ PD ₃₁
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6155PGB015
Avanti Lot Number	868584P-1MG-B-015

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: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 730.219 – 736.219 ± 1 amu (Multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+H] ⁺ = 735.3 amu

Approved by:

