

18:1 NBD PE

1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(7-nitro-2-1,3-benzoxadiazol-4-yl) (ammonium salt)

810145P-1mg

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Molecular Weight	924.155
Chemical Formula	C ₄₇ H ₈₂ N ₅ O ₁₁ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5338PGA044
Avanti Lot Number	810145P-1MG-A-044

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: Yellow to orange solid which contains no foreign matter	Pass
TLC	>99% Purity UV: one major spot 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
Excitation/Emission	$\lambda_{\text{Max Ex}} \approx 460 \text{ nm}$ $\lambda_{\text{Max Em}} \approx 535 \text{ nm}$	$\lambda_{\text{Max Ex}} = 463 \text{ nm}$ $\lambda_{\text{Max Em}} = 531 \text{ nm}$
Mass Spectroscopy	$[\text{M-NH}_4]^+ = 906.16 \pm 1 \text{ amu}$	$[\text{M-NH}_4]^+ = 905.54 \text{ amu}$

Approved By:



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