

18:1 NBD PE

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

810145C-5mg

Page 1 of 1

Molecular Weight	924.155
Chemical Formula	C ₄₇ H ₈₂ N ₅ O ₁₁ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5338CHB044
Avanti Lot Number	810145C-5MG-B-044

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Yellow to orange solution with 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	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
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:



For Research Use Only. Not For Human Use.