

TopFluor[®] PS

1-palmitoyl-2-(dipyrrometheneboron difluoride)undecanoyl-sn-glycero-3-phospho-L-serine (ammonium salt)

810283C-1mg

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Molecular Weight	928.93
Chemical Formula	C ₄₆ H ₈₀ BF ₂ N ₄ O ₁₀ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5422CGA020
Avanti Lot Number	810283C-1MG-A-020

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Yellow to orange solution with no foreign matter	Pass
TLC	>99% Purity UV: one major spot 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	$\lambda_{Ex\ Max} \approx 495\text{ nm}$ $\lambda_{Em\ Max} \approx 503\text{ nm}$	$\lambda_{Ex\ Max} = 495\text{ nm}$ $\lambda_{Em\ Max} = 507\text{ nm}$
Mass Spectroscopy	$[M-NH_4 + 2H]^+ = 912.9 \pm 1\text{ amu}$	$[M-NH_4 + 2H]^+ = 912.5\text{ amu}$

Approved by:

