

TopFluor® PE

1-palmitoyl-2-(dipyrrometheneboron difluoride)undecanoyl-sn-glycero-3-phosphoethanolamine

810282P-5mg

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Molecular Weight	867.89
Chemical Formula	C ₄₅ H ₇₇ BF ₂ N ₃ O ₈ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5421PHB021
Avanti Lot Number	810282P-5MG-B-021

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: Yellow solid which contains no foreign matter	Pass
TLC	>99% Purity UV: one major spot Ninhydrin: positive 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 by UV/Vis	$\lambda_{Ex\ max} = 495\ nm$ $\lambda_{Em\ max} = 503\ nm$	$\lambda_{Ex\ max} = 495\ nm$ $\lambda_{Em\ max} = 511\ nm$
Mass Spectroscopy	$[M+H]^+ = 868.89 \pm 1\ amu$	$[M+H]^+ = 868.9\ amu$

 Approved By: *Anderson Thomas*

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