

TopFluor[®] Cardiolipin

1,1',2,2'-tetraoleoyl cardiolipin[4-(dipyrrrometheneboron difluoride)butanoyl] (ammonium salt) TopFluor[®] Cardiolipin

810286C-100ug

Page 1 of 1

Molecular Weight 1808.209
Chemical Formula C₉₈H₁₇₅BF₂N₄O₁₈P₂
Physical State Chloroform
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5425CDC011
Avanti Lot Number 810286C-100UG-C-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Chloroform: Yellow to orange solution with no foreign matter.	Pass
TLC (80:20:2 Chloroform: Methanol: Water)	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Excitation/Emission by UV/VIS	$\lambda_{Ex\ max} = 498\ nm$ $\lambda_{Em\ max} = 507\ nm$	Pass
Mass Spectroscopy	$[M-2NH_4]^{2-} = 886.104 \pm 1\ amu$ $[M-2NH_4]^- = 1772.209 \pm 1\ amu$	$[M-2NH_4]^{2-} = 886.3\ amu$ $[M-2NH_4]^- = 1772.7\ amu$

Approved by:

