

**TopFluor<sup>®</sup> Cardiolipin**

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

810286C-100ug

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**Molecular Weight** 1808.209  
**Chemical Formula** C<sub>98</sub>H<sub>175</sub>BF<sub>2</sub>N<sub>4</sub>O<sub>18</sub>P<sub>2</sub>  
**Physical State** Chloroform  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5425CDE011  
**Avanti Lot Number** 810286C-100UG-E-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> 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:



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