

**TopFluor® Cardiolipin**

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

**810286C-100ug**

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<b>Molecular Weight</b>	1808.209
<b>Chemical Formula</b>	C <sub>98</sub> H <sub>175</sub> BF <sub>2</sub> N <sub>4</sub> O <sub>18</sub> P <sub>2</sub>
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5425CDD011
<b>Avanti Lot Number</b>	810286C-100UG-D-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:

