

**TopFluor® TMR PS**

 1-oleoyl-2-(6-((4,4-difluoro-1,3-dimethyl-5-(4-methoxyphenyl)-4-bora-3 $\alpha$ ,4 $\alpha$ -diazas-indacene-2-propionyl)amino)hexanoyl)-sn-glycero-3- phospho-L-serine (ammonium salt)

**810242P-1mg**

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<b>Molecular Weight</b>	1033.981
<b>Chemical Formula</b>	C <sub>51</sub> H <sub>79</sub> BF <sub>2</sub> N <sub>5</sub> O <sub>12</sub> P
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5402PGA011
<b>Avanti Lot Number</b>	810242P-1MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> Yellow to orange 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
Excitation/Emission by UV/VIS	$\lambda_{Ex\ max} = 544\text{ nm}$ $\lambda_{Em\ max} = 571\text{ nm}$	Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	$[M-NH_4]^+ = 1015.981 \pm 1\text{ amu}$	$[M-NH_4]^+ = 1015.7\text{ amu}$

Approved By:

