

**TopFluor® TMR PI(4,5)P2**

1-oleoyl-2-(6-((4,4-difluoro-1,3-dimethyl-5-(4-methoxyphenyl)-4-bora-3a,4a-diaza-s-indacene-2-propionyl)amino)hexanoyl)-sn-glycero-3-phosphoinositol-4.5-bisphosphate (ammonium salt)

**810384P-100ug**

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<b>Molecular Weight</b>	1303.06
<b>Chemical Formula</b>	C <sub>54</sub> H <sub>92</sub> BF <sub>2</sub> N <sub>6</sub> O <sub>21</sub> P <sub>3</sub>
<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>	5448PDA010
<b>Avanti Lot Number</b>	810384P-100UG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> Yellow to orange solid which contains no foreign matter	Pass
TLC (45:35:7.7:2.3 Chloroform:Methanol:Water:Ammonium Hydroxide)	>99% Purity UV: one major spot Ninhydrin: negative 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
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 625.030 ± 1 amu	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 624.8 amu

Approved by:

