

**TopFluor® TMR cholesterol**

22-((4,4-difluoro-1,3-dimethyl-5-(4-methoxyphenyl)-4-bora-3a,4a-diaza-s-indacene-2-propionyl)amino)-23-norcholesterol

**810385P-1mg**

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<b>Molecular Weight</b>	711.75
<b>Chemical Formula</b>	C <sub>43</sub> H <sub>56</sub> BF <sub>2</sub> N <sub>3</sub> O <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>	6681PGB010
<b>Avanti Lot Number</b>	810385P-1MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> Red solid which contains no foreign matter	Pass
TLC (85:15 Dichloromethane:Ethyl Acetate)	>99% Purity UV: one major spot Ninhydrin spray: negative Iodine: one major spot Phosphorous: negative Charring: positive Wet dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Excitation/Emission	$\lambda_{Ex\ max} = 545\ nm$ $\lambda_{Em\ max} = 571\ nm$	Pass
Mass Spectroscopy	$[M+NH_4]^+ = 729.75 \pm 1\ amu$ $[M-F]^- = 692.75 \pm 1\ amu$	$[M+NH_4]^+ = 729.9\ amu$ $[M-F]^+ = 692.8\ amu$

  
 Approved By:

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