

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

Page 1 of 1

Molecular Weight	711.75
Chemical Formula	C ₄₃ H ₅₆ BF ₂ N ₃ O ₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6681PGA010
Avanti Lot Number	810385P-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: 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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