

16:0 TopFluor[®] cholesterol

23-(dipyrrometheneboron difluoride)-24-norcholesteryl palmitate

810288P-1mg

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Molecular Weight	815.02
Chemical Formula	C ₅₂ H ₈₁ BF ₂ N ₂ O ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5426PGB011
Avanti Lot Number	810288P-1MG-B-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: Yellow to orange solid which contains no foreign matter	Pass
TLC (85:15 Hexane: Ethyl Acetate)	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Excitation/Emission by UV/VIS	$\lambda_{Ex\ max} = 495\ nm$ $\lambda_{Em\ max} = 507\ nm$	Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	$[M+NH_4]^+ = 833.02 \pm 1\ amu$	$[M+NH_4]^+ = 833.1\ amu$

Approved By:



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