

**16:0 TopFluor<sup>®</sup> cholesterol**

23-(dipyrrometheneboron difluoride)-24-norcholesteryl palmitate

**810288P-1mg**

Page 1 of 1

<b>Molecular Weight</b>	815.02
<b>Chemical Formula</b>	C <sub>52</sub> H <sub>81</sub> BF <sub>2</sub> N <sub>2</sub> O <sub>2</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>	5426PGC011
<b>Avanti Lot Number</b>	810288P-1MG-C-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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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