

**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>	5426PGA011
<b>Avanti Lot Number</b>	810288P-1MG-A-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	λ <sub>Ex max</sub> =495 nm λ <sub>Em max</sub> =507 nm	Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 833.02 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 833.1 amu

Approved by:

