

**NBD-12 Cholesterol**

 5-cholesten-3 $\beta$ -ol 12-[(7-nitro-2-1,3-benzoxadiazol-4-yl)amino]dodecanoate

**810252P-1mg**

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<b>Molecular Weight</b>	747.061
<b>Chemical Formula</b>	C <sub>45</sub> H <sub>70</sub> N <sub>4</sub> O <sub>5</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>	5405PGA012
<b>Avanti Lot Number</b>	810252P-1MG-A-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> Yellow to orange solid which contains no foreign matter.	Pass
TLC (8:1 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 = 465 nm $\lambda_{em}$ max = 530 nm	Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 765.061 $\pm$ 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 765.0 amu

Approved by:

