

**25-NBD Cholesterol**

25-[N-[(7-nitro-2-1,3-benzoxadiazol-4-yl)methyl]amino]-27-norcholesterol

**810250C-1mg**

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<b>Molecular Weight</b>	564.759
<b>Chemical Formula</b>	C <sub>33</sub> H <sub>48</sub> N <sub>4</sub> O <sub>4</sub>
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5403CGA019
<b>Avanti Lot Number</b>	810250C-1MG-A-019

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Chloroform:</b> Yellow to orange solution with no foreign matter.	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 582.759 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 582.8 amu

Approved by:

