

NBD-12 Cholesterol

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

810252P-1mg

Page 1 of 1

Molecular Weight	747.061
Chemical Formula	C ₄₅ H ₇₀ N ₄ O ₅
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5405PGB012
Avanti Lot Number	810252P-1MG-B-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: 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	λ_{ex} max = 465 nm λ_{em} max = 530 nm	Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH ₄] ⁺ = 765.061 \pm 1 amu	[M+NH ₄] ⁺ = 765.0 amu

Approved by:

