

C12-NBD Sphingomyelin

N-[12-[(7-nitro-2-1,3-benzoxadiazol-4-yl)amino]dodecanoyl]-sphingosine-1-phosphocholine

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Molecular Weight 825.027
Chemical Formula C₄₁H₇₃N₆O₉P
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5390PGC013
Avanti Lot Number 810219P-1MG-C-013

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: Yellow to orange solid which contains no foreign matter.	Pass
TLC (65:35:8 Chloroform: Methanol: Water)	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 826.027 ± 1 amu	[M+H] ⁺ = 826.3 amu

Approved by:

