

**C12-NBD Sphingomyelin**

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

**810219P-1mg**

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<b>Molecular Weight</b>	825.027
<b>Chemical Formula</b>	C <sub>41</sub> H <sub>73</sub> N <sub>6</sub> O <sub>9</sub> P
<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>	5390PGD013
<b>Avanti Lot Number</b>	810219P-1MG-D-013

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> 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] <sup>+</sup> = 826.027 ± 1 amu	[M+H] <sup>+</sup> = 826.3 amu

 Approved by: *Anderson Thomas*

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