

## C6-NBD Sphingomyelin

N-[6-[(7-nitro-2-1,3-benzoxadiazol-4-yl)amino]hexanoyl]-sphingosine-1-phosphocholine

810218P-1mg

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<b>Molecular Weight</b>	740.867
<b>Chemical Formula</b>	C <sub>35</sub> H <sub>61</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>	5389PGD013
<b>Avanti Lot Number</b>	810218P-1MG-D-013

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> Yellow to orange solid which contains no foreign matter	Pass
TLC	>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
Excitation/Emission by UV/VIS	$\lambda_{\text{ex}}$ max = 465 nm $\lambda_{\text{em}}$ max = 530 nm	Pass
Mass Spectroscopy	$[M+H]^+ = 741.867 \pm 1$ amu	$[M+H]^+ = 741.6$ amu

Approved by:



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