

NBD Sphingosine

omega(7-nitro-2-1,3-benzoxadiazol-4-yl)(2S,3R,4E)-2-aminooctadec-4-ene-1,3-diol

810205X-250ug

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Molecular Weight	477.597
Chemical Formula	C ₂₄ H ₃₉ N ₅ O ₅
Physical State	Chloroform:Methanol (8:2)
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5379XEB016
Avanti Lot Number	810205X-250UG-B-016

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform:Methanol (8:2): Yellow to orange solution with no foreign matter.	Pass
TLC (65:25:4 Chloroform:Methanol:Ammonium Hydroxide) use non-activated plate	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All pass
Mass Spectroscopy	[M+H] ⁺ = 478.597 ± 1 amu	[M+H] ⁺ = 478.4 amu

Approved by:

