

NBD Sphingosine-1-Phosphate

omega(7-nitro-2-1,3-benzoxadiazol-4-yl)-D-erythro-sphingosine-1-phosphate

810207X-50ug
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Molecular Weight	557.577
Chemical Formula	C ₂₄ H ₄₀ N ₅ O ₈ P
Physical State	Chloroform:Methanol:Water (65:25:4)
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5381XCA012
Avanti Lot Number	810207X-50UG-A-012

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Chloroform: methanol: water: Yellow to orange solution with no foreign matter.	Pass
TLC (65:35:8 Chloroform: Methanol: Water)	>99% Purity UV: one major spot Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Excitation/Emission by UV/VIS	$\lambda_{Ex\ max} = 468\ nm$ $\lambda_{Em\ max} = 535\ nm$	Pass
Mass Spectroscopy	$[M-H]^- = 556.577 \pm 1\ amu$ $[M-2H]^{2-} = 277.789 \pm 1\ amu$	$[M-H]^- = 556.8\ amu$ $[M-2H]^{2-} = 277.9\ amu$

Approved by:

