

**NBD Sphingosine-1-Phosphate**

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

**810207X-100ug**

Page 1 of 1

<b>Molecular Weight</b>	557.577
<b>Chemical Formula</b>	C <sub>24</sub> H <sub>40</sub> N <sub>5</sub> O <sub>8</sub> P
<b>Physical State</b>	Chloroform:Methanol:Water (65:25:4)
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5381XDA011
<b>Avanti Lot Number</b>	810207X-100UG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Chloroform: methanol: water:</b> 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	$[M-H]^- = 556.577 \pm 1\ amu$ $[M-2H]^{2-} = 277.789 \pm 1\ amu$	$[M-H]^- = 556.7\ amu$ $[M-2H]^{2-} = 277.9\ amu$

Approved by:

