

C12-NBD Glucosyl Ceramide

N-[12-[(7-nitro-2-1,3-benzoxadiazol-4-yl)amino]dodecanoyl]-D-glucosyl-β1-1'-sphingosine

810223P-250ug

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Molecular Weight	822.04
Chemical Formula	C ₄₂ H ₇₁ N ₅ O ₁₁
Physical State	Powder
Storage	-20 °C
Expiration Date	One year from date of receipt
M Lot Number	5394PEA012
Avanti Lot Number	810223P-250UG-A-012

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: Yellow to orange solid which contains no foreign matter.	Pass
TLC (85:15 Chloroform: Methanol)	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 823.040 ± 1 amu [M+NH ₄] ⁺ = 840.040 ± 1 amu	[M+H] ⁺ = 823.2 amu [M+NH ₄] ⁺ = 840.3 amu

Approved by:

