

C18:0(2-NBD) GM1 (Synthetic)

Product Full Name

810170P-500UG

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Molecular Weight	1741.98
Chemical Formula	C ₇₉ H ₁₃₆ N ₈ O ₃₄
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	7027PFA010
Avanti Lot Number	810170P-500UG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: Orange solid which contains no foreign matter	Pass
TLC (10:10:3 Chloroform: Methanol: Water + 15mM MgCl ₂)	>99% Purity UV: one major spot Ninhydrin spray: 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
Excitation/Emission	$\lambda_{\text{Ex max}} = 456 \text{ nm}$ $\lambda_{\text{Em max}} = 531 \text{ nm}$	Pass
Mass Spectroscopy	$[\text{M-H-NH}_4]^{2-} = \pm 1 \text{ amu}$	$[\text{M-H-NH}_4]^{2-} = 861.5 \text{ amu}$

Approved By:



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