

Ganglioside GQ1b

Ganglioside GQ1b (porcine brain, tetraammonium salt)

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Molecular Weight 2488.73
Chemical Formula C₁₀₆H₁₉₄N₁₀O₅₅
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6627PGD010
Avanti Lot Number 860086P-1MG-D-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity 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
Mass Spectroscopy	[M-4NH ₄ +H] ³⁻ = 805.91 ± 1 amu [M-4NH ₄ +2H] ²⁻ = 1209.37 ± 1 amu	[M-4NH ₄ +H] ³⁻ = 806.2 amu [M-4NH ₄ +2H] ²⁻ = 1209.8 amu



Approved By:

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