

Ganglioside GQ1b

Ganglioside GQ1b (porcine brain, tetraammonium salt)

860086P-1mg

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Molecular Weight 2488.73
Chemical Formula $C_{106}H_{194}N_{10}O_{55}$
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6627PGA011
Avanti Lot Number 860086P-1MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (10:10:3 Chloroform: Methanol: Water + 15mM MgCl ₂)	>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	$[M-4NH_4+H]^{3-} = 805.91 \pm 1$ amu $[M-4NH_4+2H]^{2-} = 1209.37 \pm 1$ amu	$[M-4NH_4+H]^{3-} = 805.5$ amu $[M-4NH_4+2H]^{2-} = 1209.0$ amu

Melissa Bolin

Approved By:

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