

## Ganglioside GQ1b

Ganglioside GQ1b (porcine brain, tetraammonium salt)

860086P-1mg

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**Molecular Weight** 2488.71  
**Chemical Formula** C<sub>106</sub>H<sub>194</sub>N<sub>10</sub>O<sub>55</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6627PGB011  
**Avanti Lot Number** 860086P-1MG-B-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (10:10:3 Chloroform: Methanol: Water + 15mM MgCl <sub>2</sub> )	>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 <sub>4</sub> +H] <sup>3-</sup> = 805.91 ± 1 amu [M-4NH <sub>4</sub> +2H] <sup>2-</sup> = 1209.37 ± 1 amu	[M-4NH <sub>4</sub> +H] <sup>3-</sup> = 805.5 amu [M-4NH <sub>4</sub> +2H] <sup>2-</sup> = 1209.0 amu

Approved By:



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