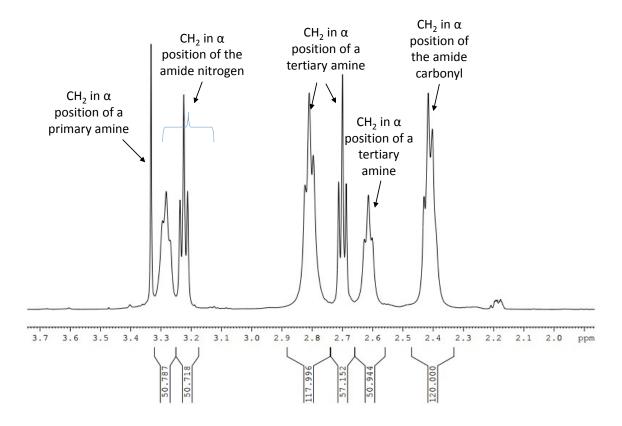
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Supplementary material

 CH_3 in α position of a secondary ammonium CH_2 in α position of a CH_3 in α tertiary amine position of a CH_2 in α position of a quaternary quaternary ammonium ammonium CH_3 in α position CH_2 in β position CH_2 in α of a quaternary of a quaternary CH_2 in β position of a ammonium ammonium position of a secondary tertiary amine ammonium 3.4 3.0 2.8 3.8 3.6 3.2 2.6 2.4 2.2 2.0 1.8 ppm 3.661 .42 64.23 56.3

¹H NMR spectrum of PPI G3 NH₂ Me⁺ BF₄⁻



¹H NMR spectrum of PAMAM G3 NH₂ Me⁺ BF₄⁻