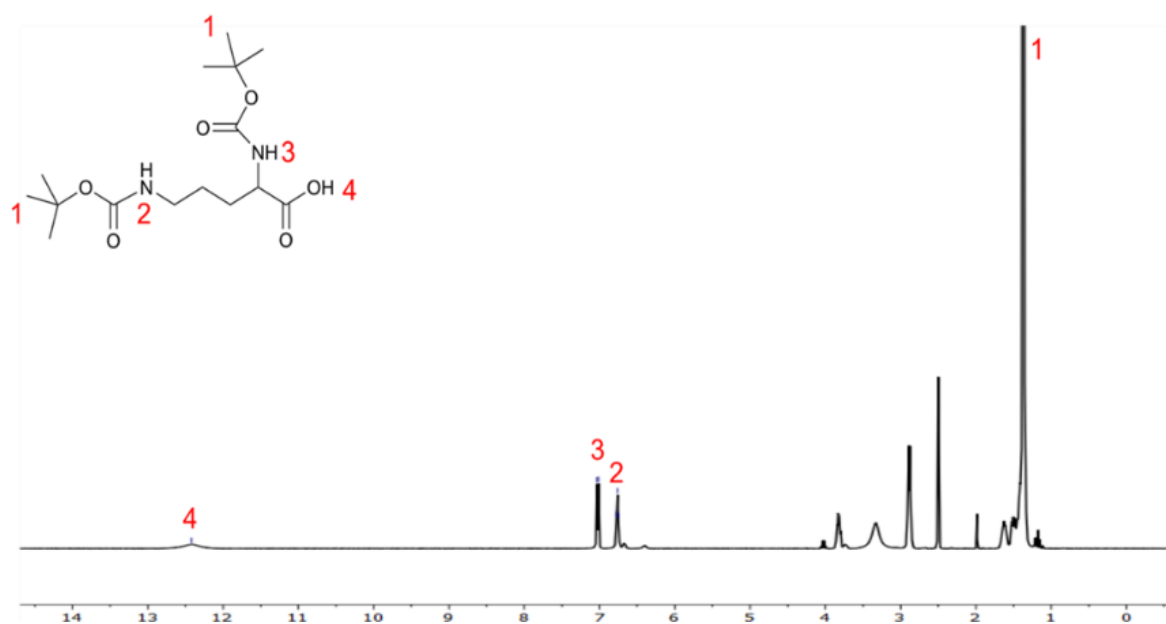


Supporting Information

Ornithine-derived oligomers and dendrimers for in vitro delivery of DNA and ex vivo transfection of skin cells via saRNA

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¹
Figure S1: ¹H-NMR spectrum of L-BOC-ornithine

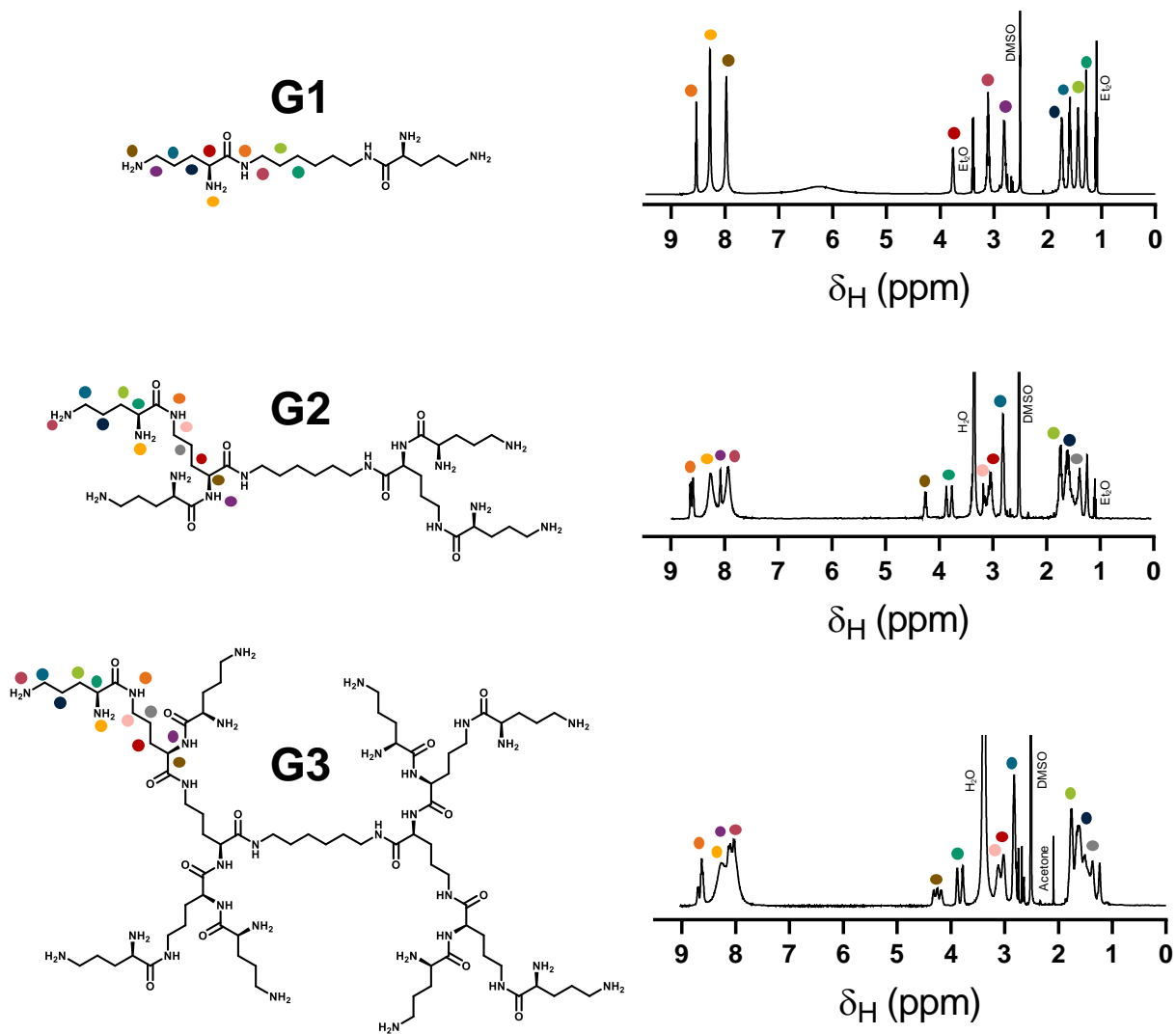


Figure S2: ^1H NMR spectra and proton assignments of dendrimers G1, G2 and G3.

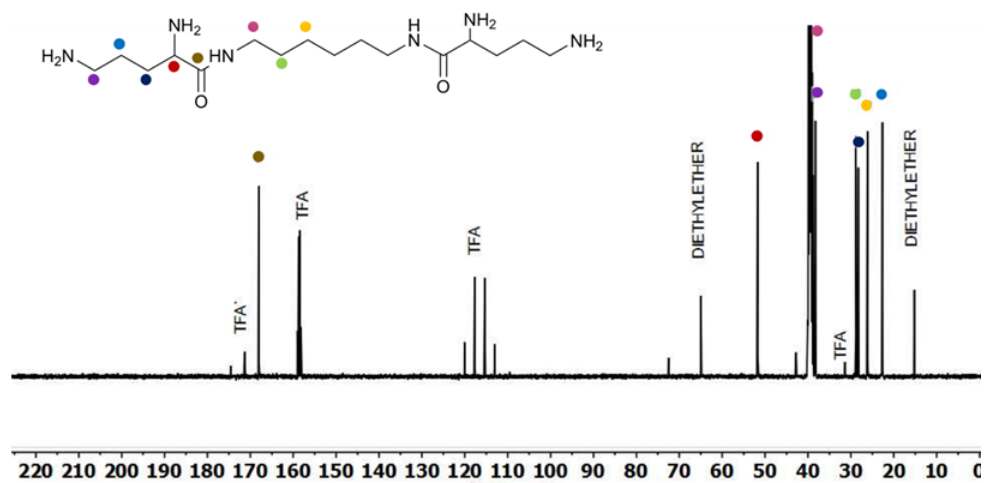
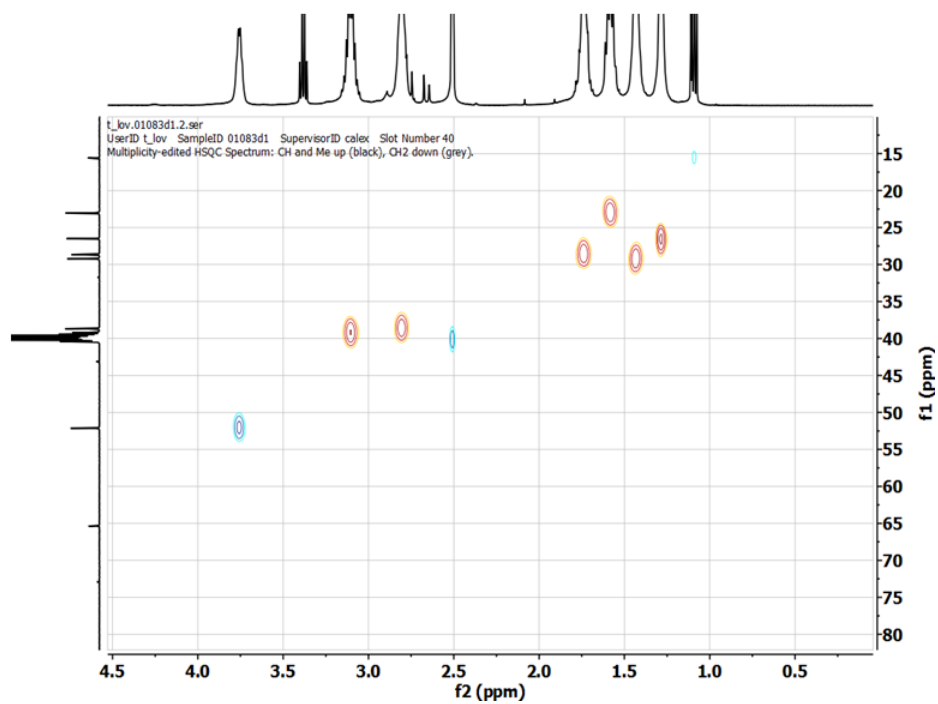
A**B**

Figure S3: A) ¹³C NMR and B) ¹H-¹H COSY spectra of dendrimer G1 in *d*₆-DMSO

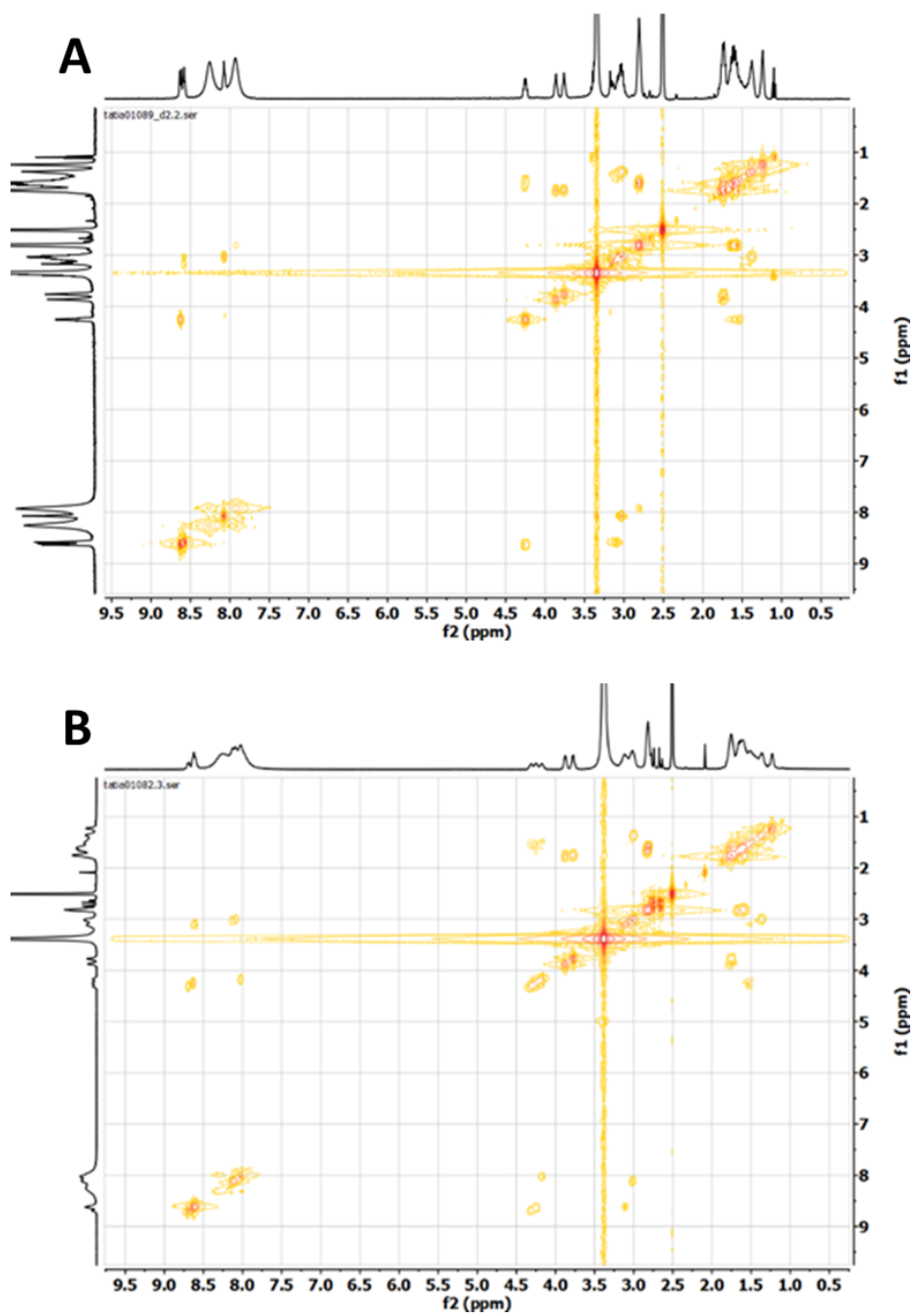


Figure S4: ^1H - ^1H COSY spectra of dendrimer A) G2 and B) G3 in d_6 -DMSO

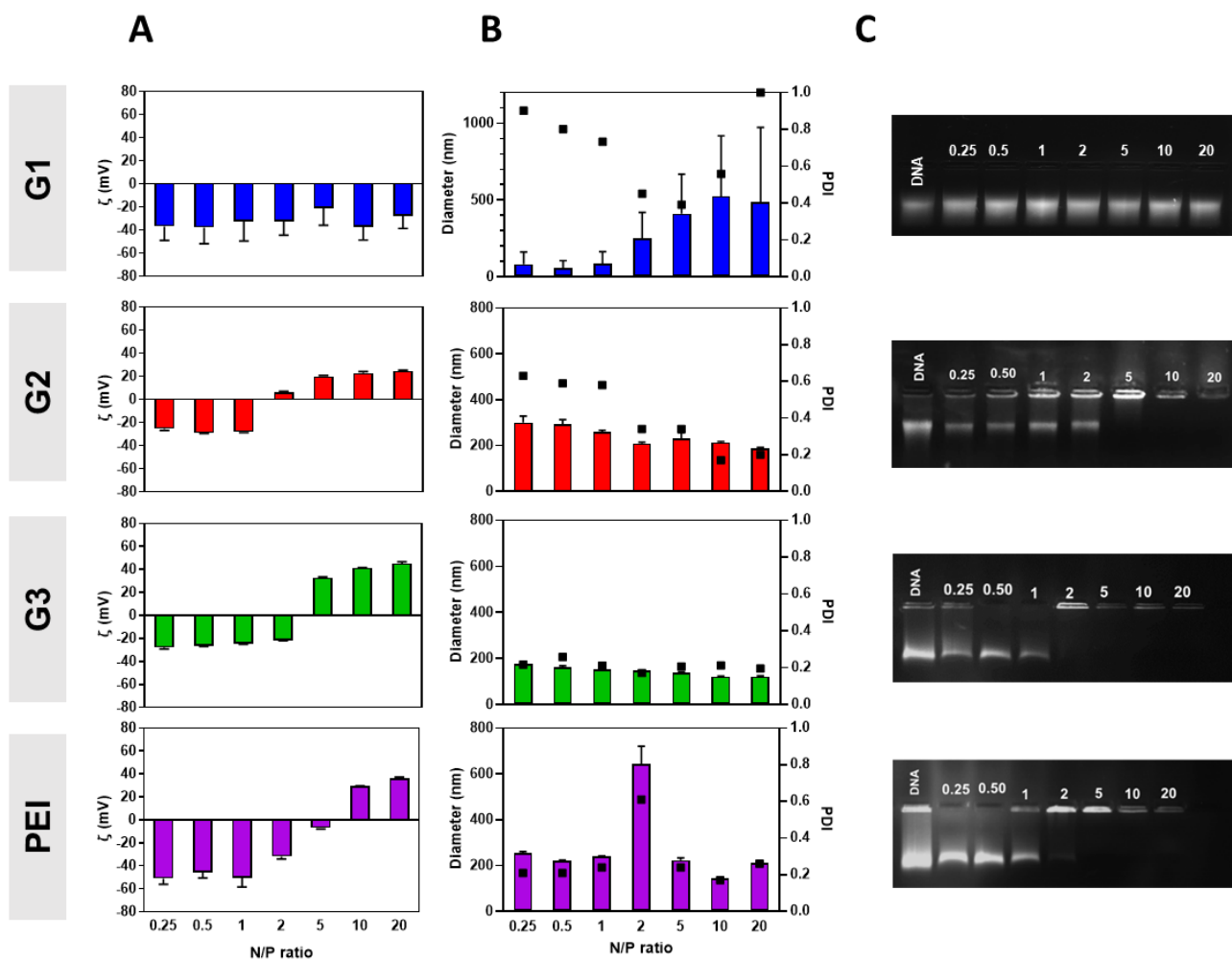


Figure S5. A) Zeta-potential and B) hydrodynamic diameters of calf thymus DNA polyplexes prepared at N/P ratios of 0.25, 0.5, 1, 2, 5, 10, 20 with dendrimers G1-G3 and PEI, measured with a Malvern Zetasizer in aqueous solutions at dendrimer/PEI concentrations of 0.1 mg mL^{-1} . C) DNA complexation efficiency for G1 (row 1), G2 (row 2), G3 (row 3) and PEI (row 4) polyplexes evaluated using gel electrophoresis with calf thymus DNA at N/P ratios 0.25, 0.5, 1, 2, 5, 10, 20.