

Supplementary Material

Structure of Lithium 2,2,6,6-Tetramethylpiperidide (LiTMP) and Lithium 2,2,4,6,6-Pentamethylpiperidide (LiPMP) in Hydrocarbon Solution:
Assignment of Cyclic Trimer and Tetramer Conformational Isomers

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*Compound numbers correspond to those used in the main text.

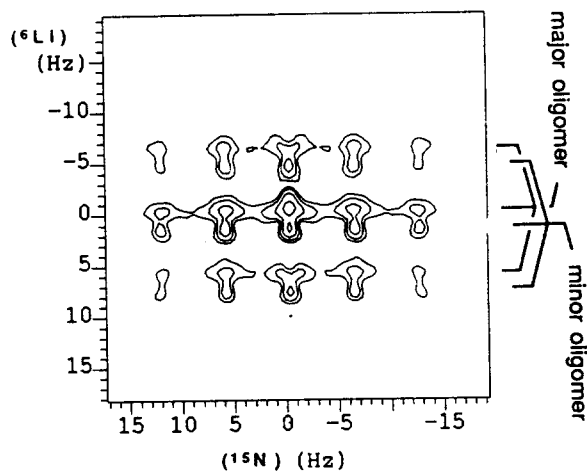


Figure ${}^6\text{Li}$ -detected ${}^{15}\text{N}$ zero-quantum NMR spectrum of 0.05 M $[{}^6\text{Li}, {}^{15}\text{N}]\text{LiTMP}$ in pentane at -50 °C. 64 t_1 increments were acquired with 16 transients/increment over 150 min. Data were processed in phase sensitive mode. Digital resolution in f_1 prior to zero filling is 1.8 Hz.