

Supplementary Information

Synthesis and Characterization of a Cationic Cyclopentadienyl Nickel(II) Complex of Bis(mesityl-imino)acenaphthene and its Evaluation as a New Catalyst Precursor for Ethylene Polymerization

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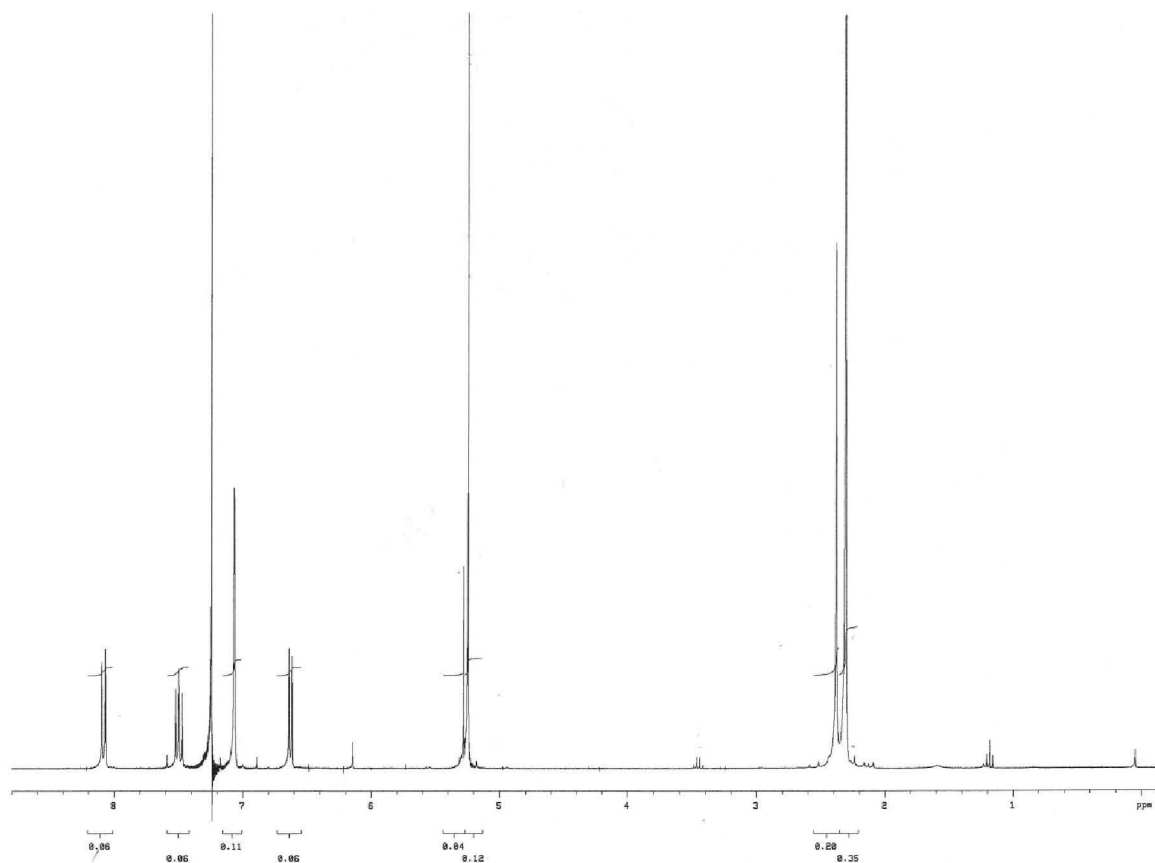


Figure S1. ¹H NMR spectrum (300 MHz, CDCl₃) of [Ni(η⁵-C₅H₅)(Mes-BIAN)]PF₆ (**3**).

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Dedicated to the memory of our dear friend and colleague Professor Roberto Fernando de Souza

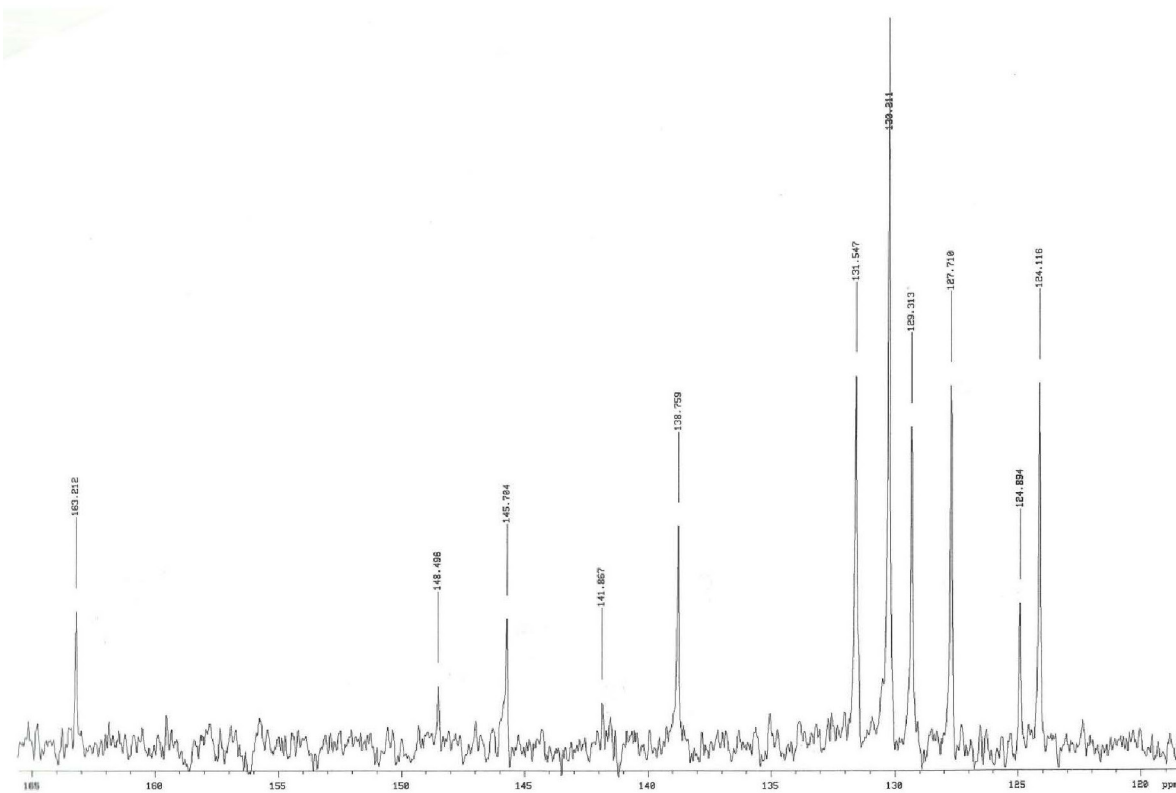
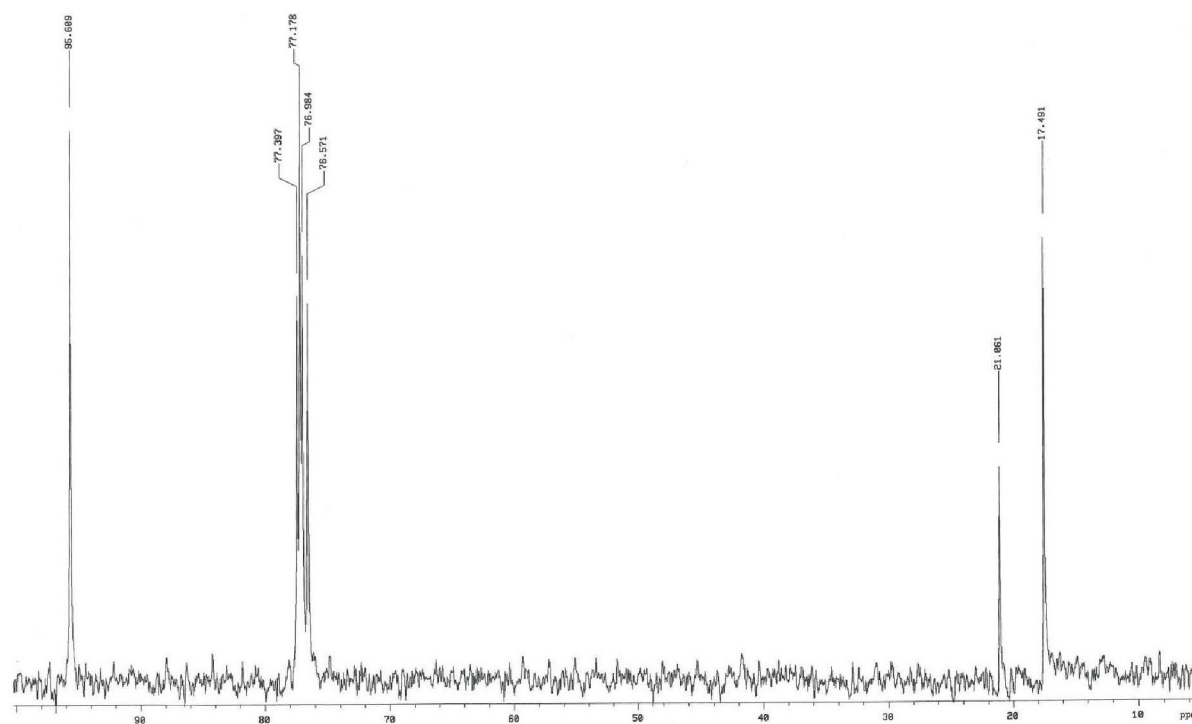


Figure S2. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum (75.43 MHz, CDCl_3) of $[\text{Ni}(\eta^5\text{-C}_5\text{H}_5)(\text{Mes-BIAN})]\text{PF}_6$ (**3**).

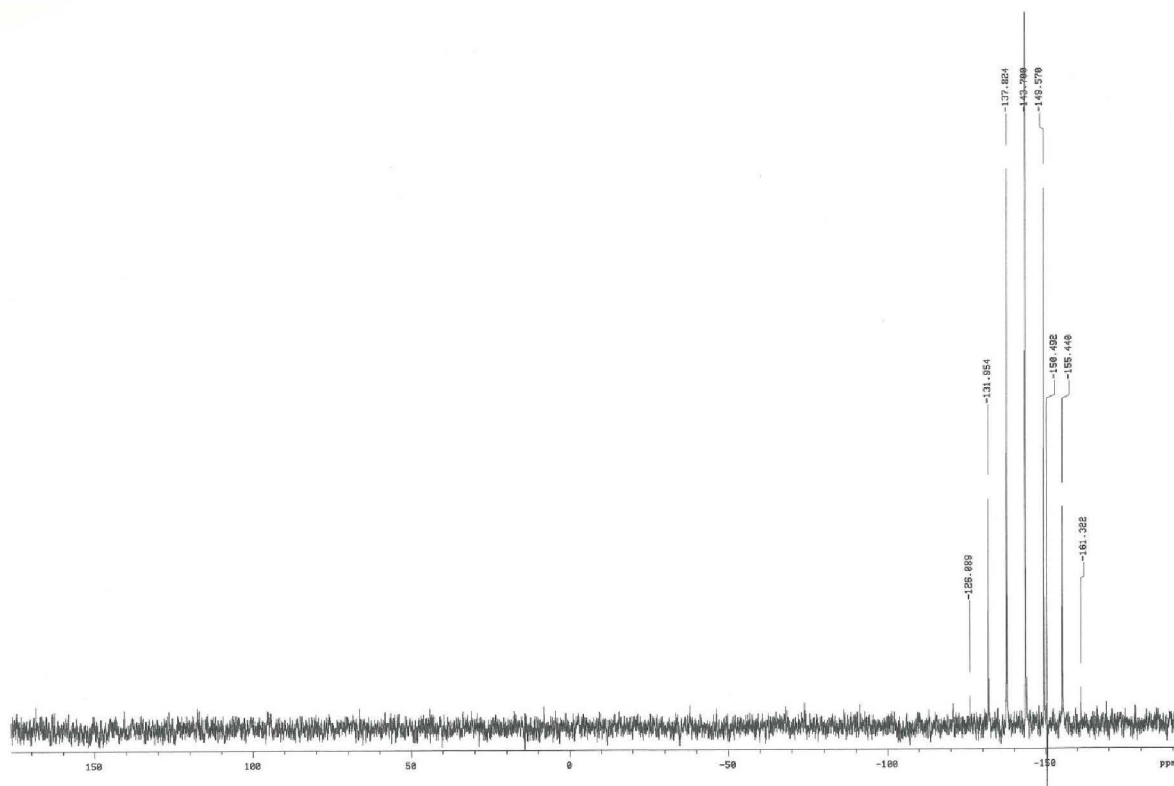


Figure S3. $^{31}\text{P}\{^1\text{H}\}$ NMR spectrum (121.44 MHz, CDCl_3) of $[\text{Ni}(\eta^5\text{-C}_5\text{H}_5)(\text{Mes-BIAN})]\text{PF}_6$ (**3**).