Electronic Supplementary Information for Dalton Transactions

Synthesis and Characterization of a Oligomeric Conjugated Metal-Containing Poly(*p*-phenylenevinylene) Analogue

*Jian Jiang, Alfred C. W. Leung, and Mark J. MacLachlan**

Department of Chemistry, University of British Columbia, 2036 Main Mall, Vancouver, BC V6T 1Z1 CANADA.

mmaclach@chem.ubc.ca

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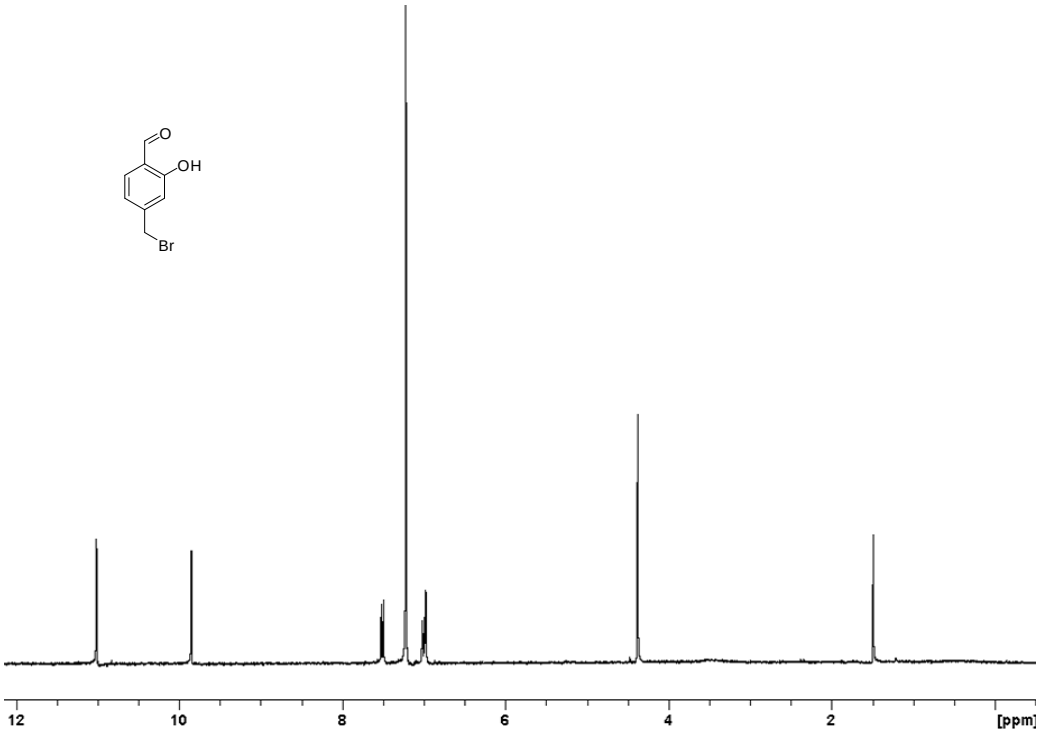


Figure S1. ^{1}H NMR spectrum of **6** (300 MHz, $CDCl_3$, 298 K).

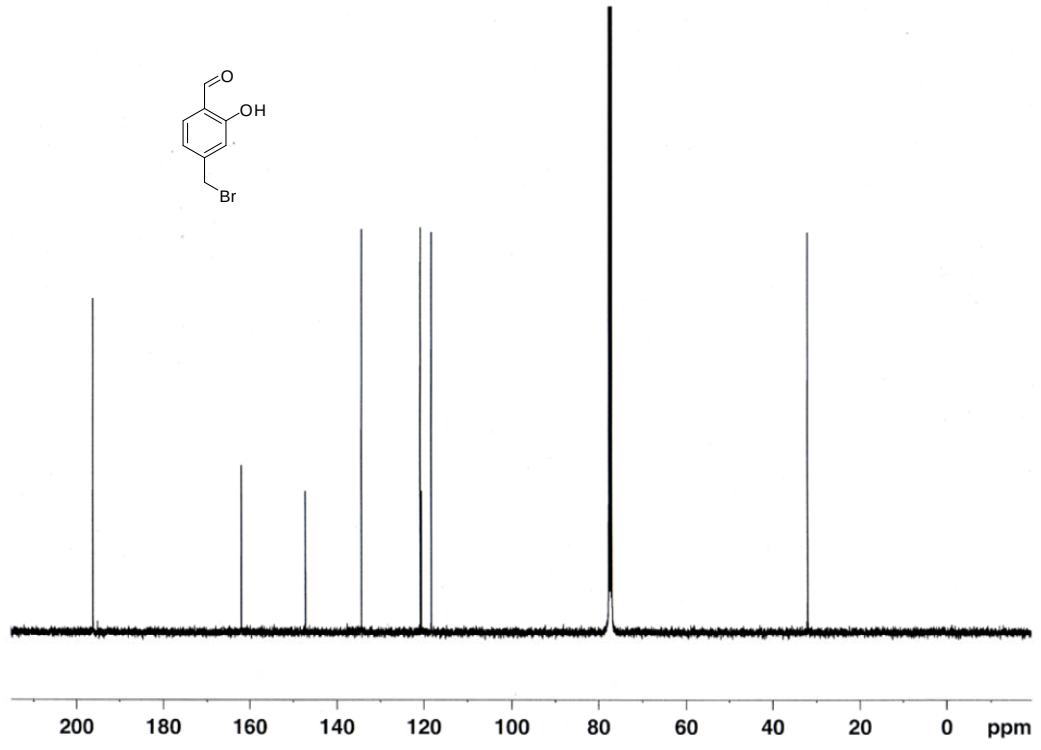


Figure S2. ^{13}C NMR spectrum of **6** (100.6 MHz, $CDCl_3$, 298 K).

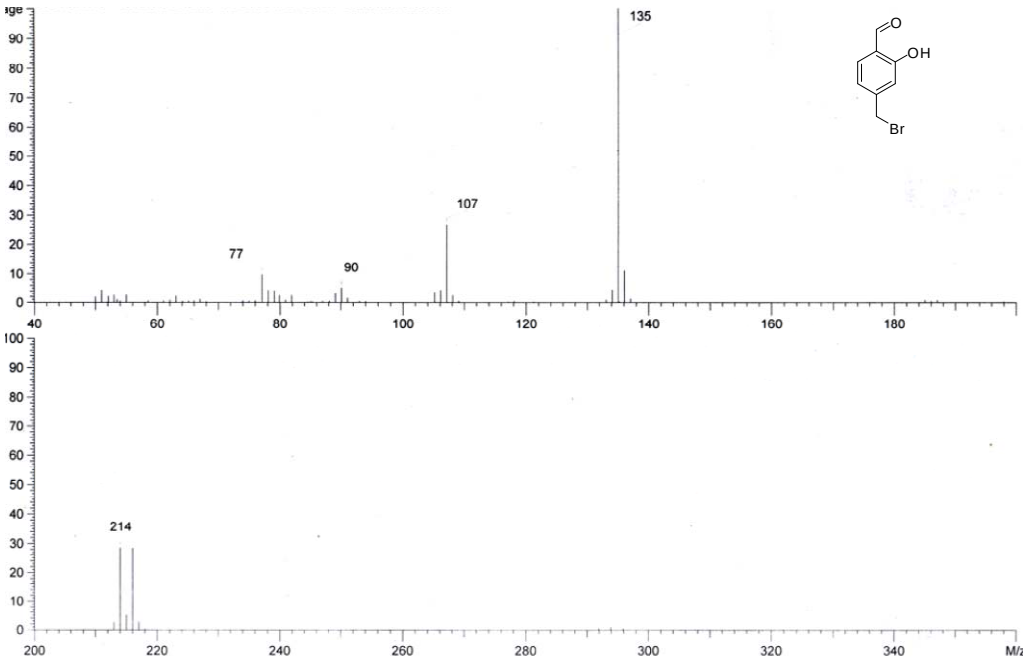


Figure S3. EI-MS spectrum of **6**

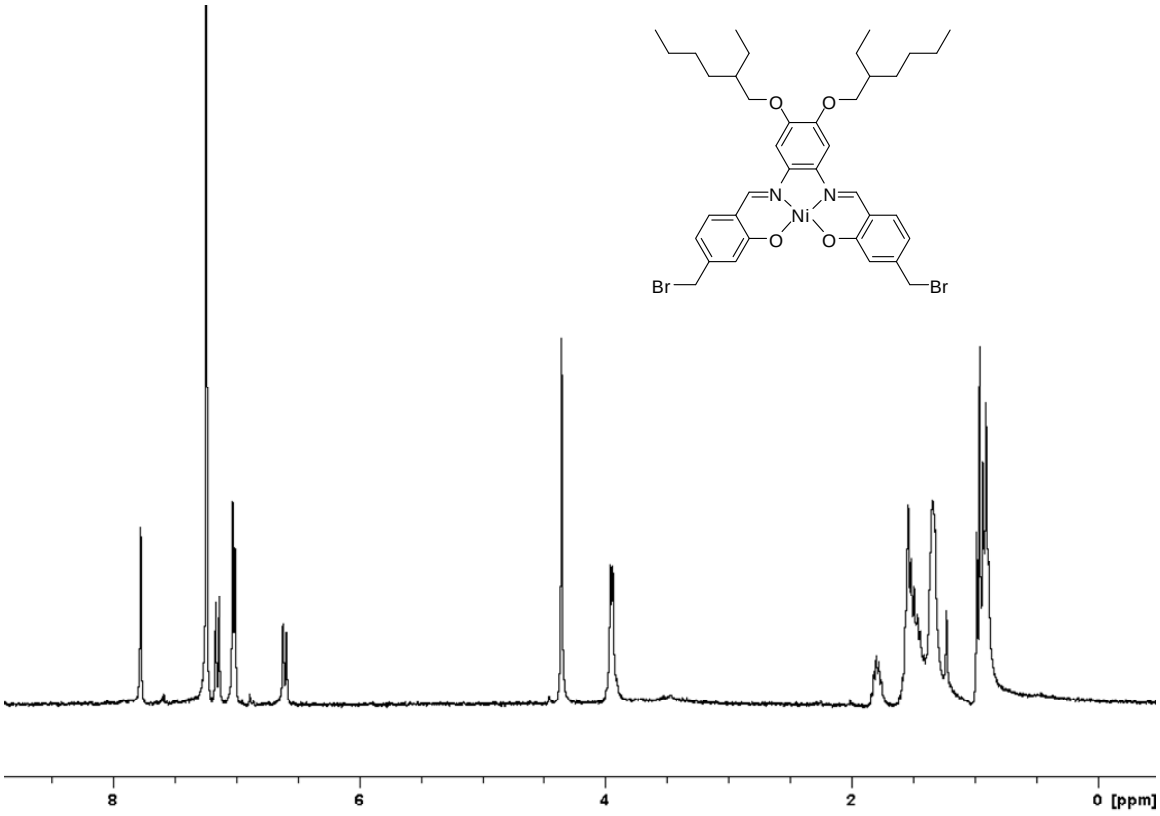


Figure S4. ^{1}H NMR spectrum of **2** (300 MHz, $CDCl_3$ (with trace of THF), 298 K)

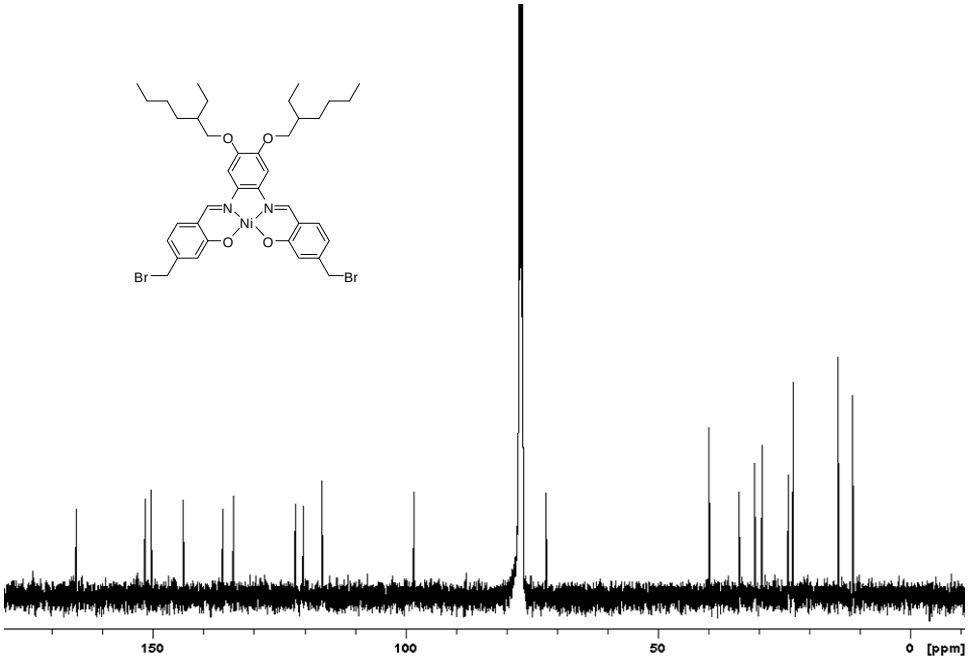


Figure S5. ^{13}C NMR spectrum of **2** (100.6 MHz, $CDCl_3$, 298 K).

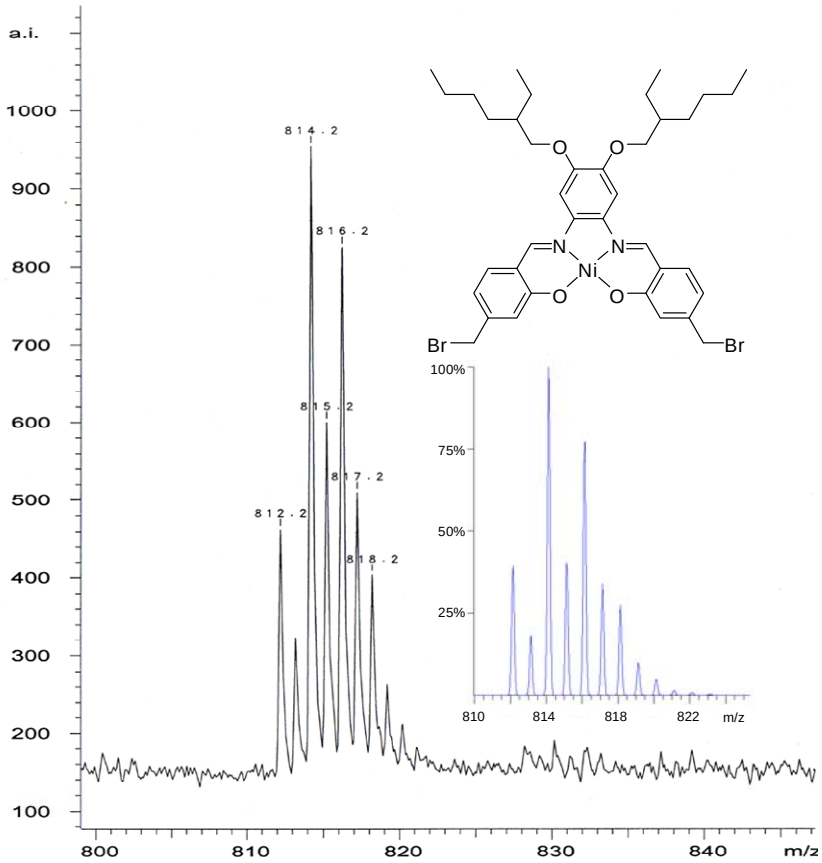
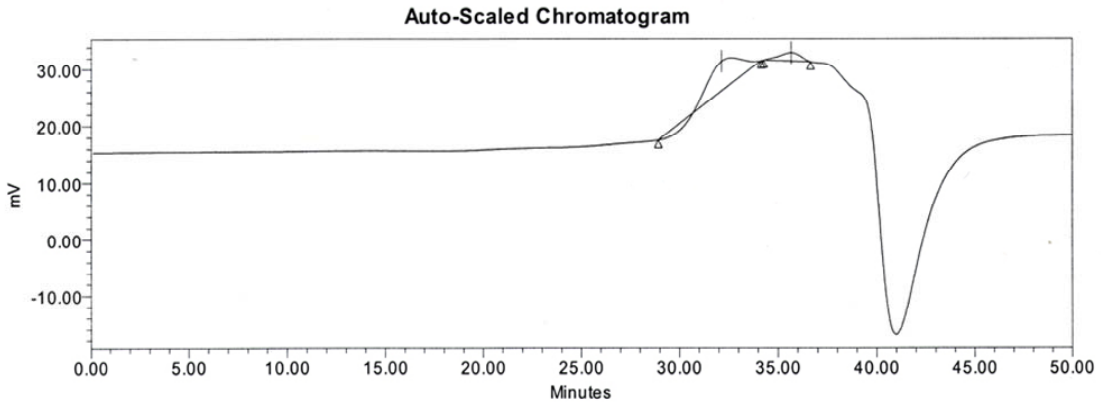


Figure S6. MALDI-TOF mass spectrum of **2**. Inset: Simulated isotope distribution for $[\mathbf{2}]^+$



GPC Results

Retention Time	Mn	Mw	MP	Mz	Mv	Polydispersity
32.150	5001	5528	5729	6029		1.105460
35.667	676	783	677	904		1.157999

Figure S7. GPC of polymer **8**

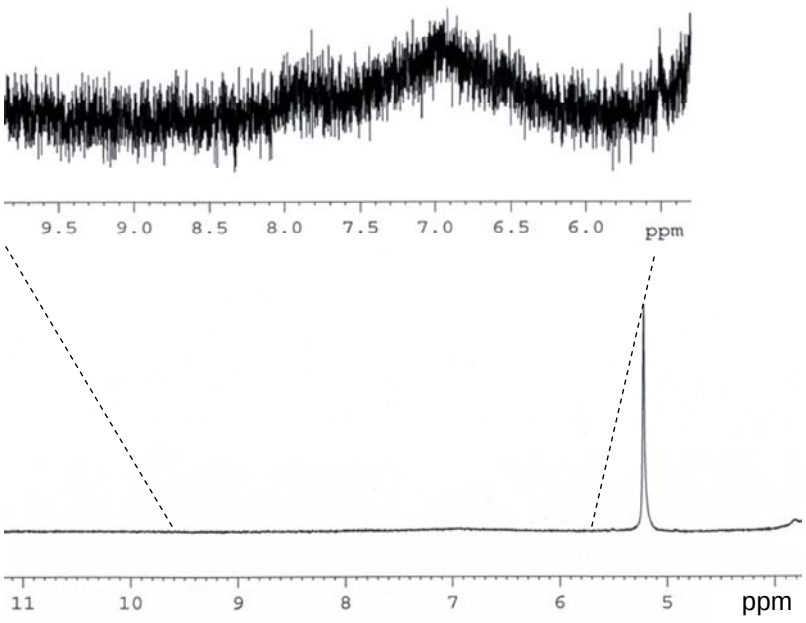


Figure S8. Partial of ^{1}H NMR spectrum of **8** (400 MHz, CD_2Cl_2 (with a trace of THF-d_8), 298K).

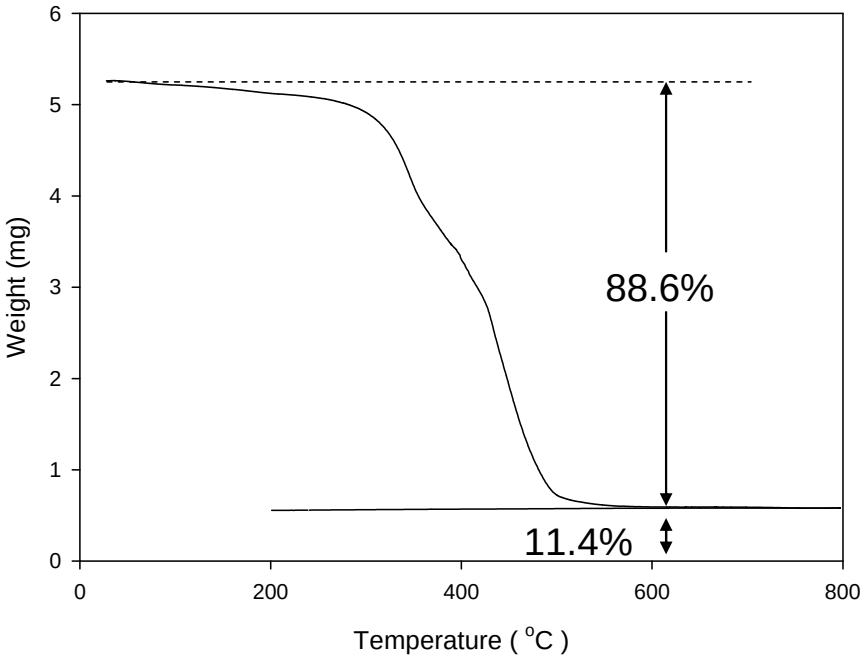


Figure S9. TGA of polymer **8**

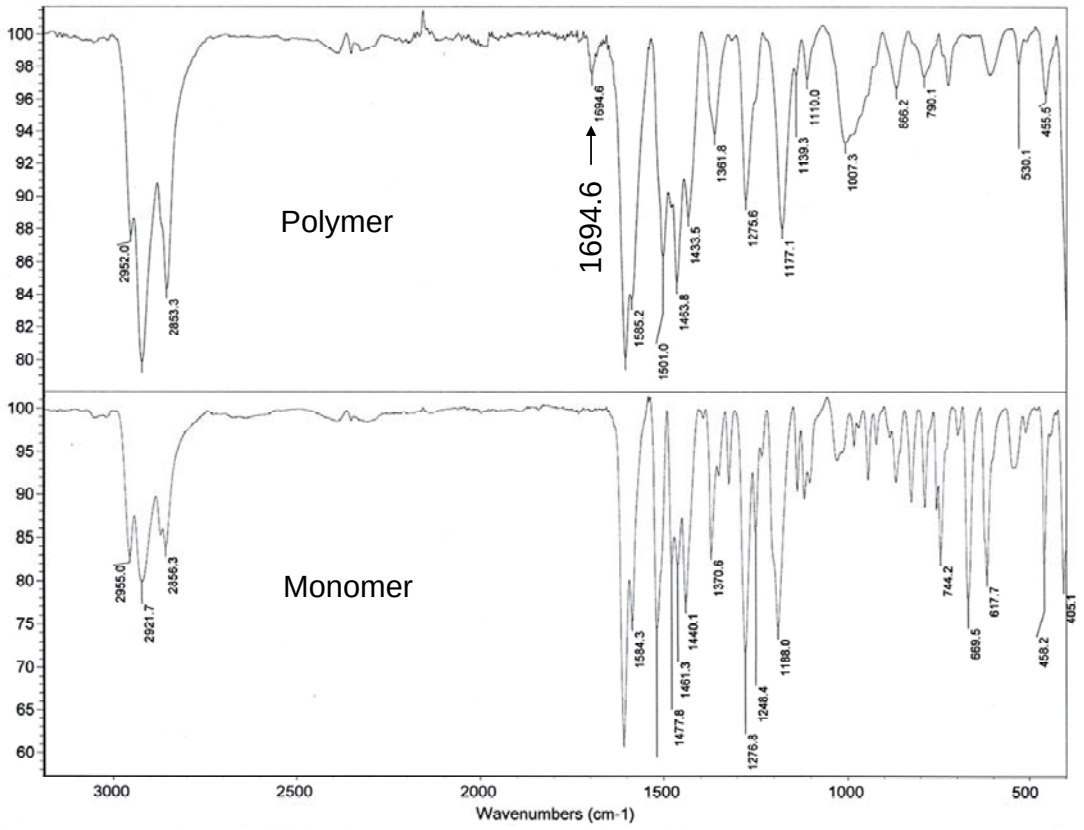


Figure S10. IR spectra of polymer **8** and monomer **2**

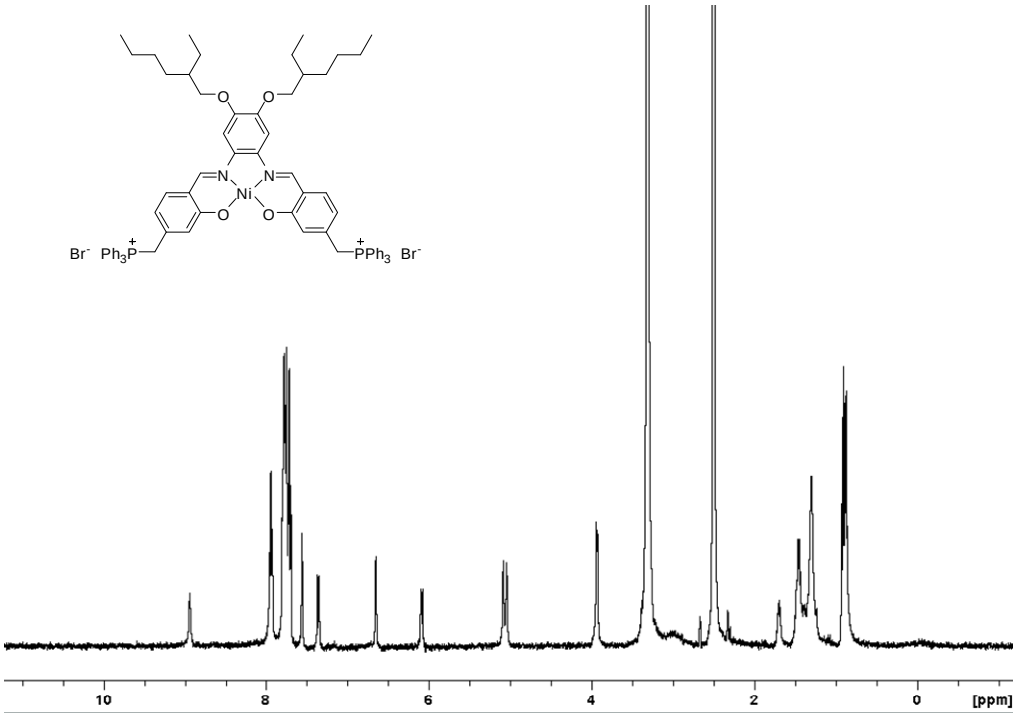


Figure 11. ^{1}H NMR spectrum of **9** (400 MHz, DMSO-d_6, 298 K).

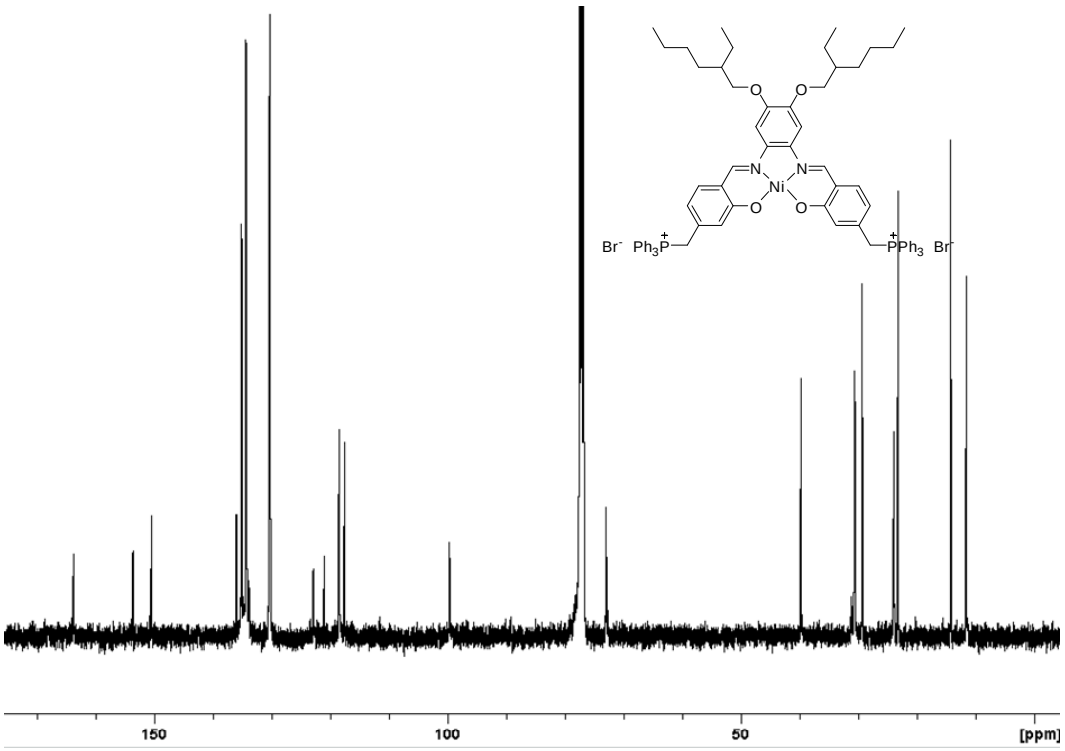


Figure S12. ^{13}C NMR spectrum of **9** (100.6 MHz, $CDCl_3$, 298 K).

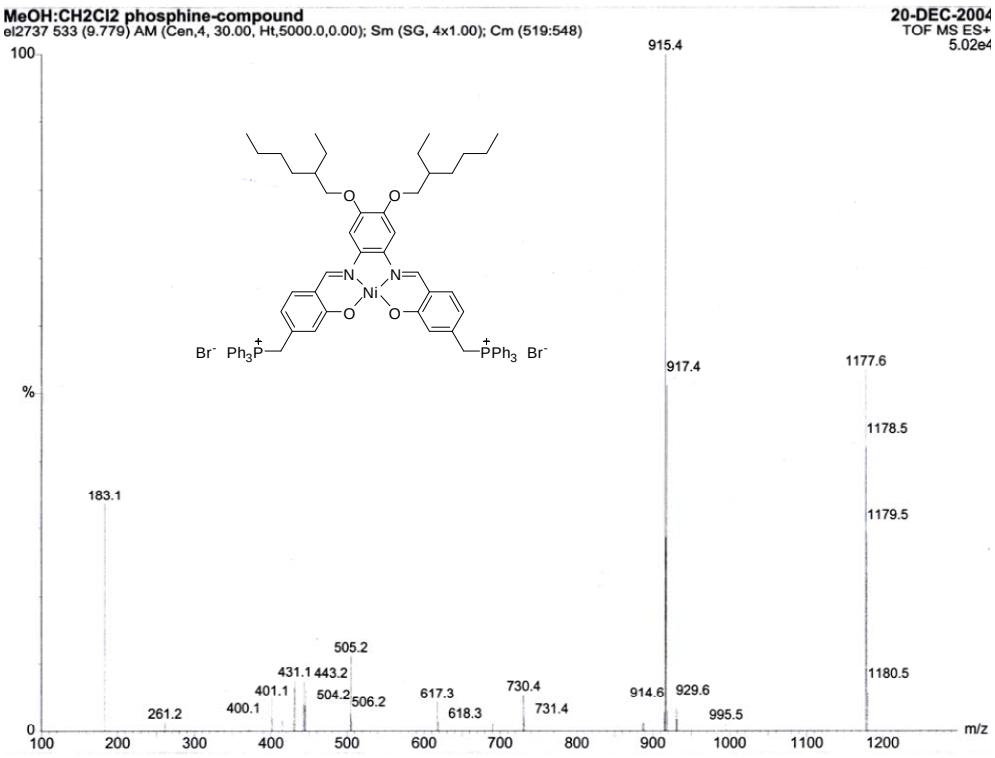


Figure S13. ESI-MS of **9**.

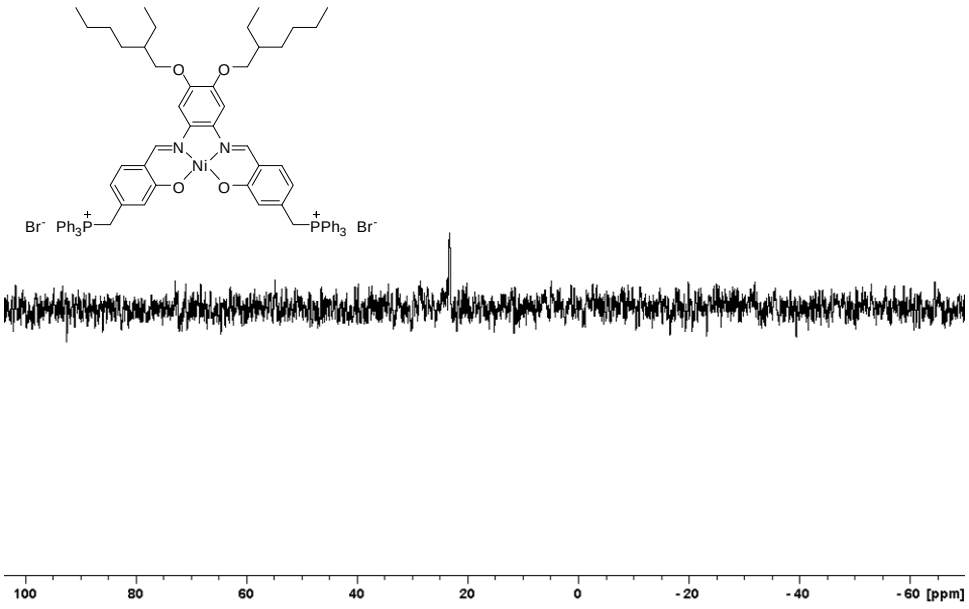


Figure S14. ^{31}P NMR spectrum of **9** (121.4 MHz, DMSO-d_6, 298 K, 8% H_3PO_4 aqueous solution as external reference).

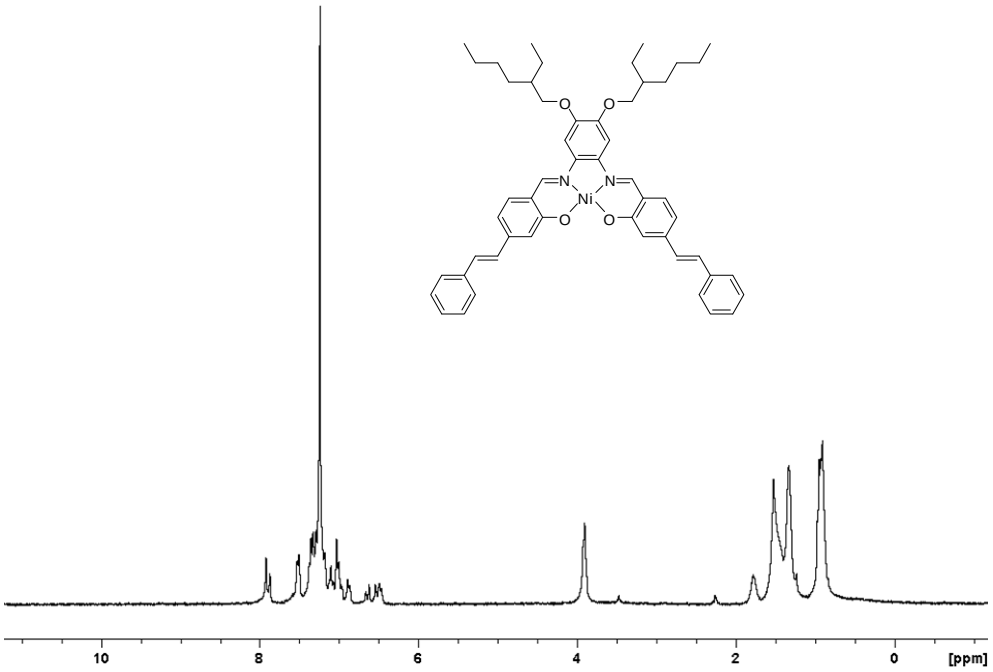


Figure S15. ^{1}H NMR spectrum of **10** (400 MHz, $CDCl_3$, 298 K).

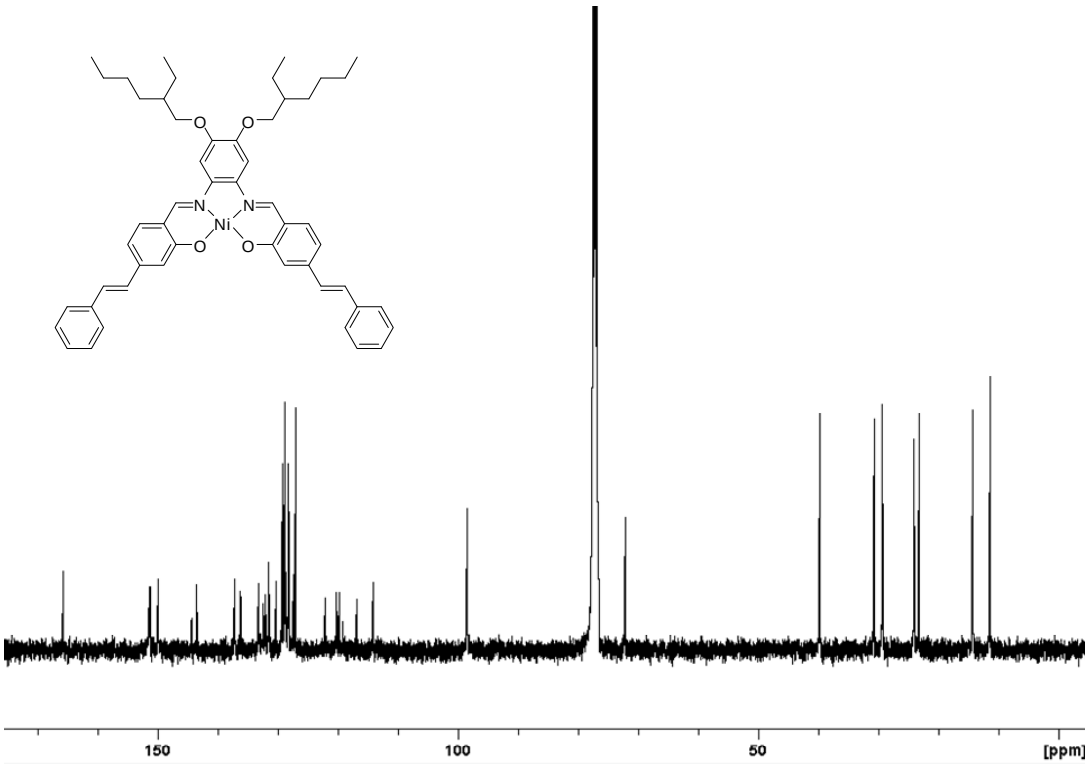


Figure S16. ^{13}C NMR spectrum of **10** (100.6 MHz, DMSO-d_6, 298 K).

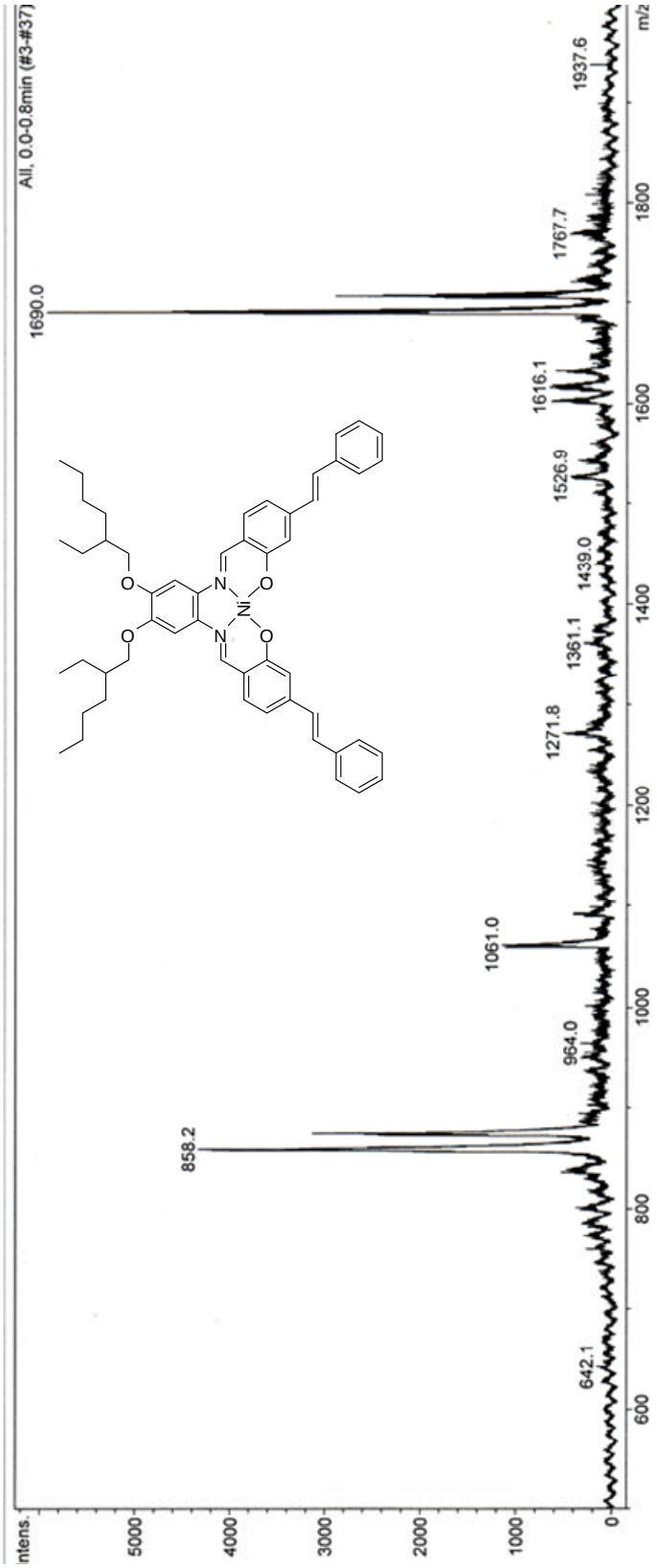


Figure S17. ESI-MS spectrum of **10**.