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Supplementary Information

Comparative Study of the Catalytic Activity of the Complexes $Cp^*RuCl(PAr_3)_2$ [Ar = $-C_6H_5$ and 4-CF_3–C_6H_4] in the ATRP of Styrene

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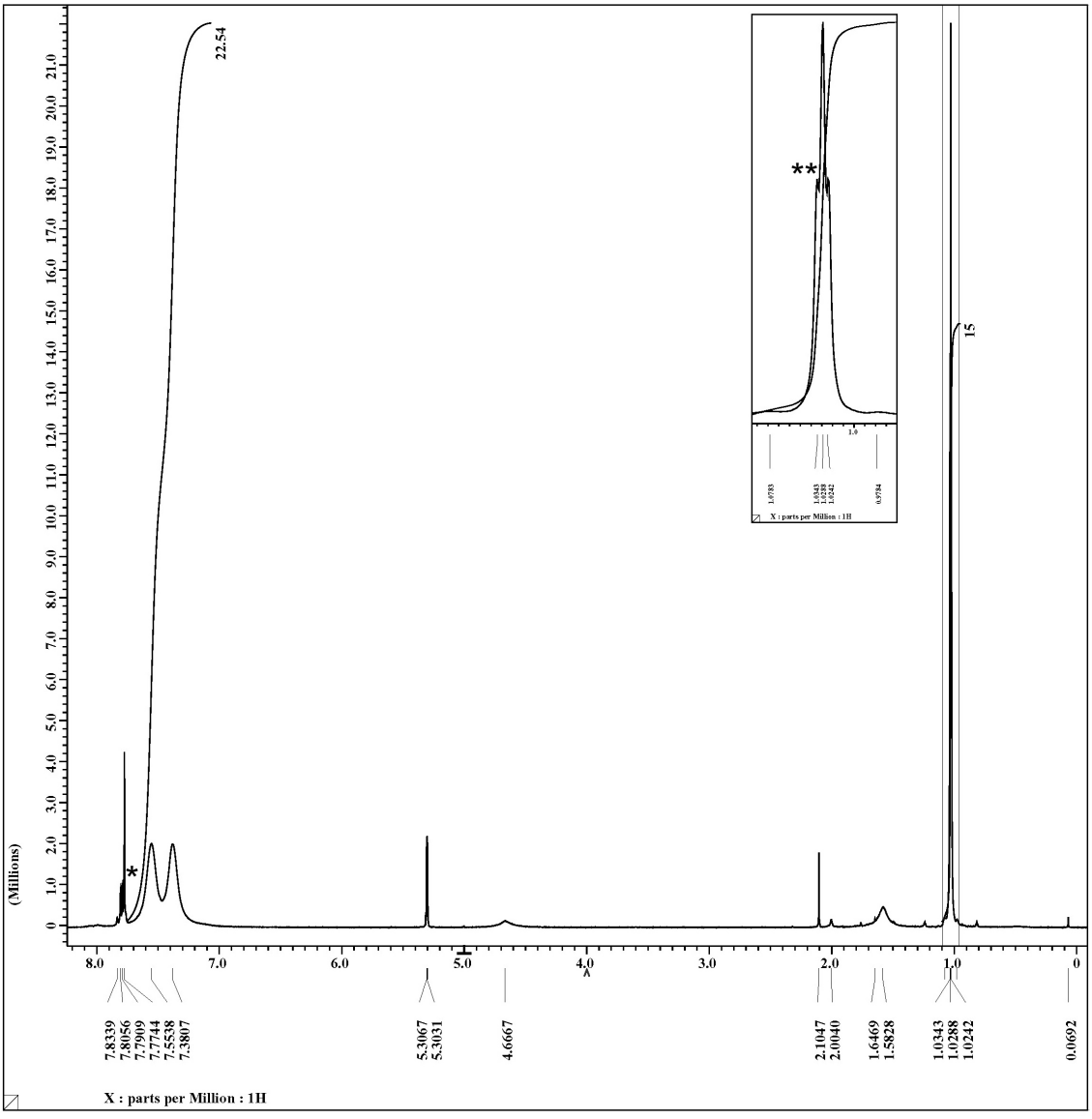

Figure S1. ^1H spectra of complex **2**. About 20 mg of sample in 600 μL of CD_2Cl_2. *Aromatics signals from phosphine oxide (OP(4-CF_3–C_6H_4)$_3$; **A triplet signal by coupling H-P ($^4J_{H\text{-}P}$ << 2 Hz).

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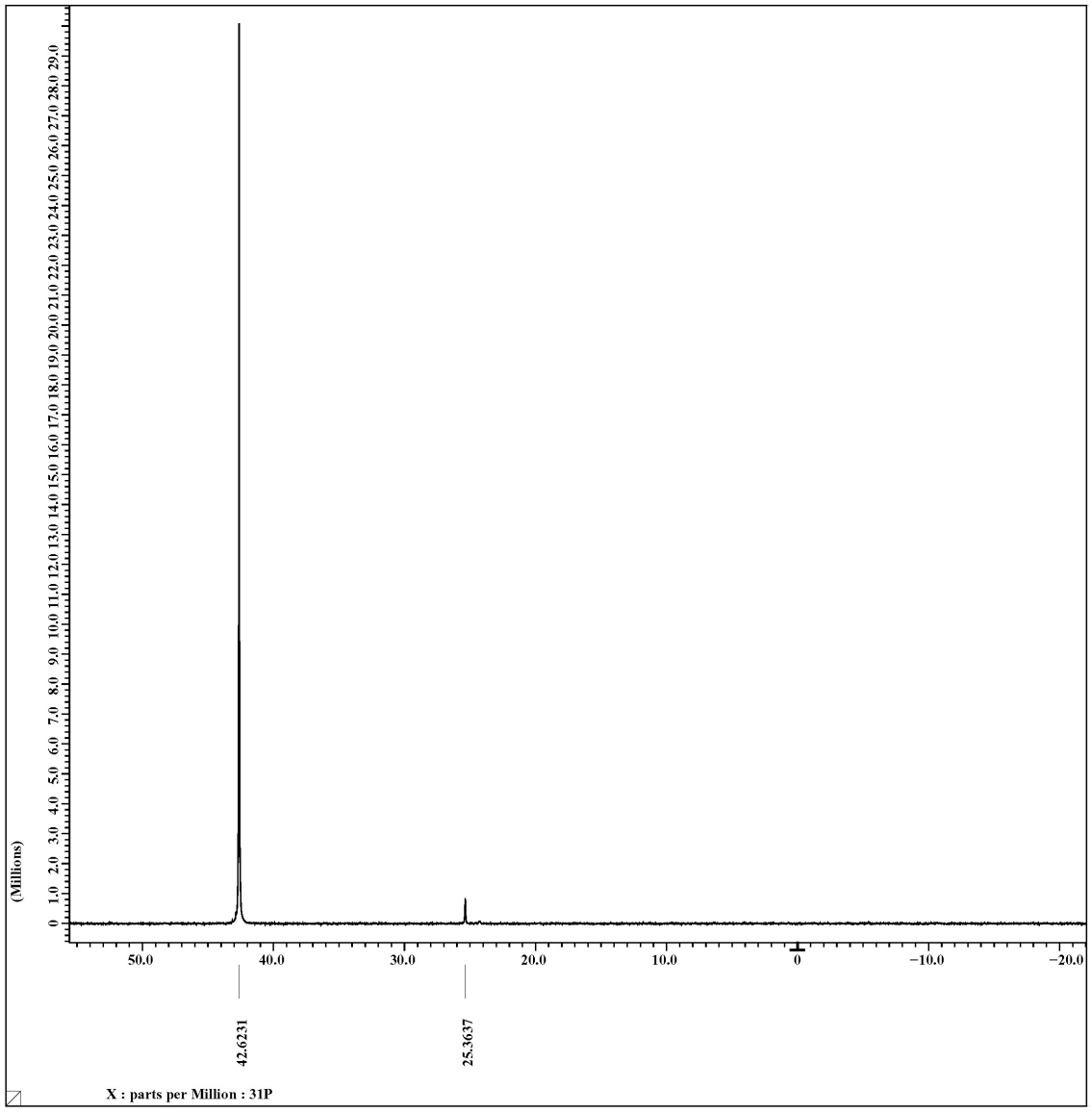

Figure S2. ^{31}P-NMR of complex **2** in CD_2Cl_2.

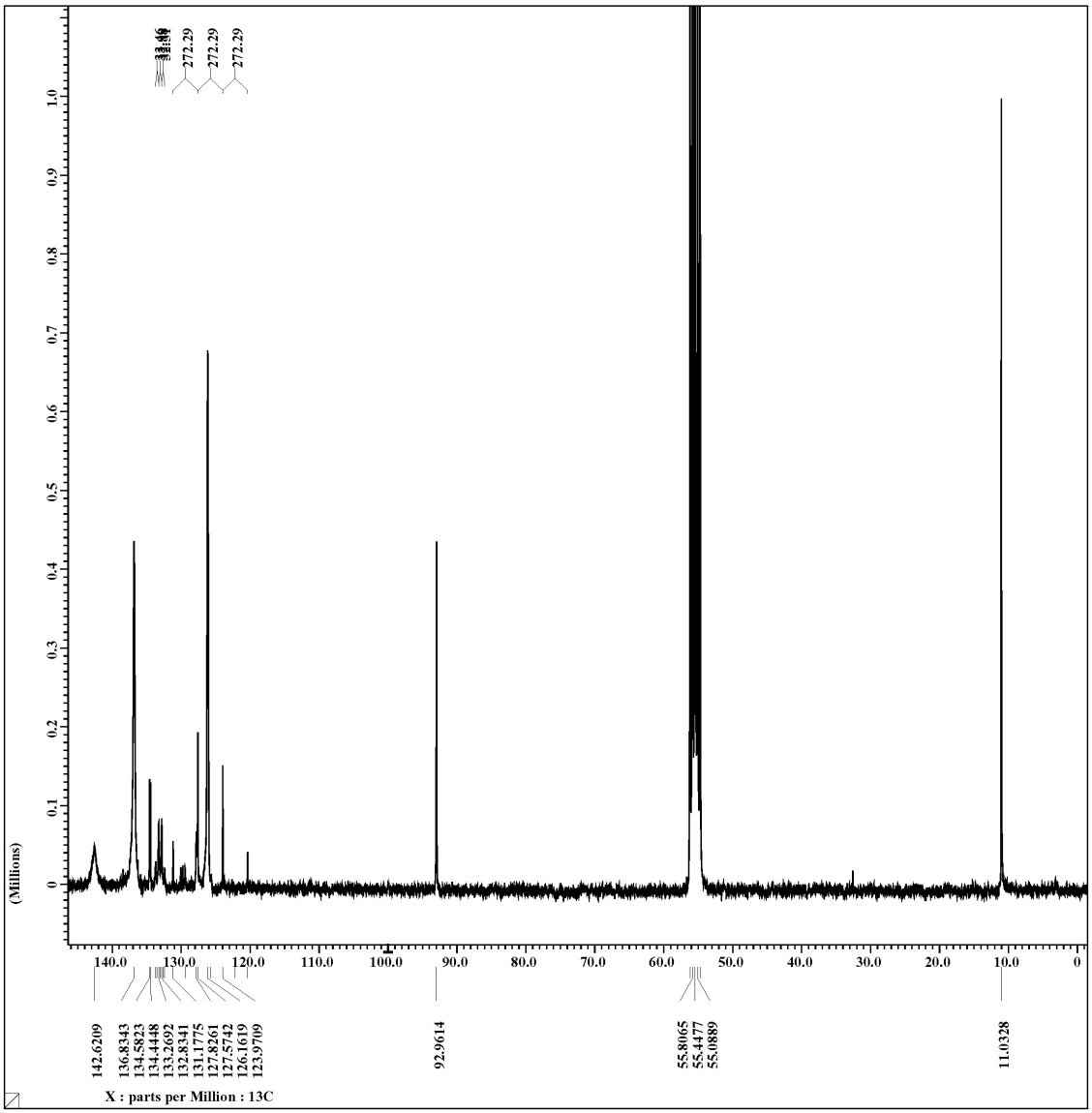

Figure S3. ^{13}C-NMR spectrum of complex **2** in CD_2Cl_2.

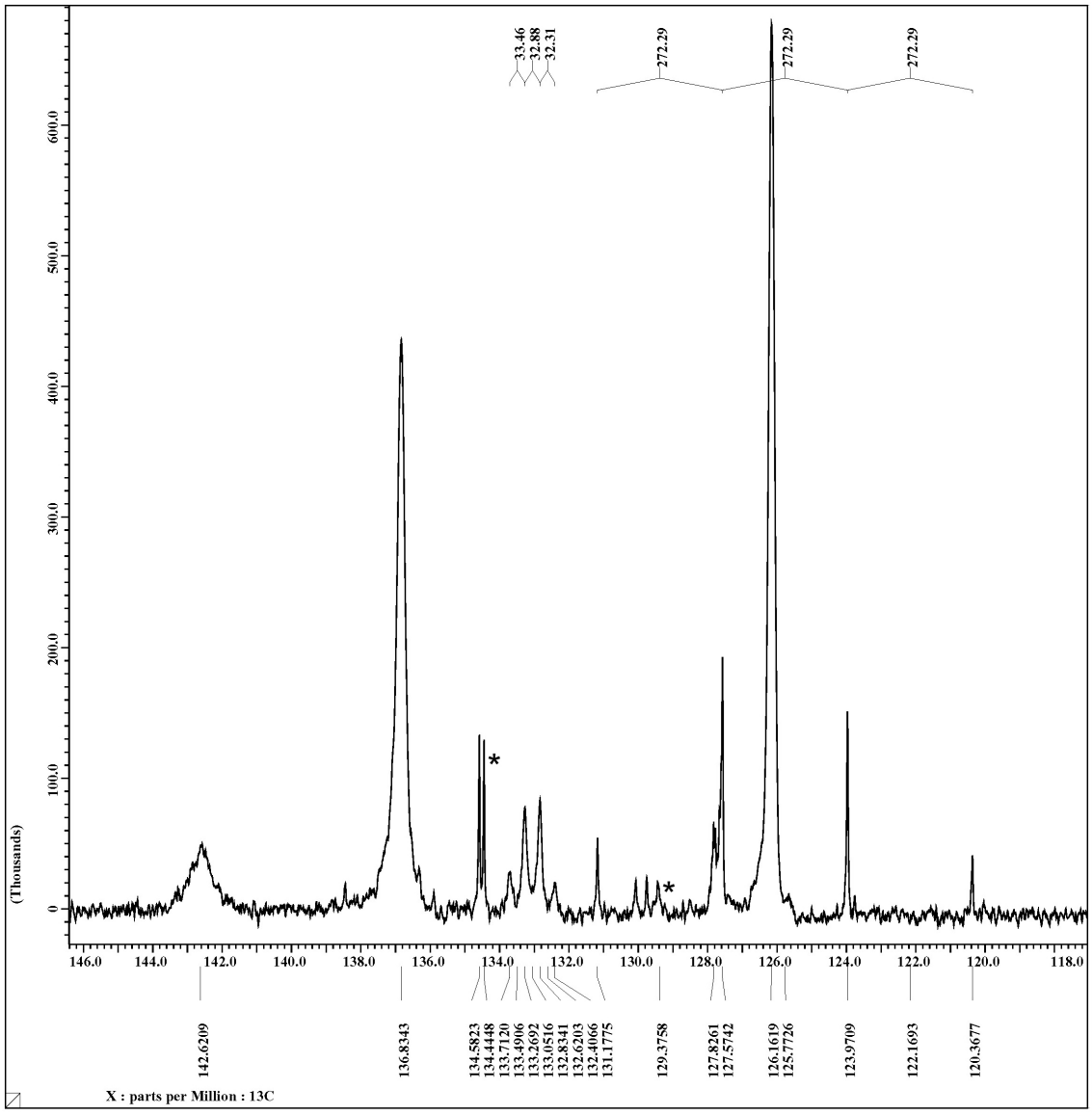

Figure S4. Aromatic region of ^{13}C spectrum of complex **2**, showing the coupling constants C-F. *Signals from phosphine oxide.

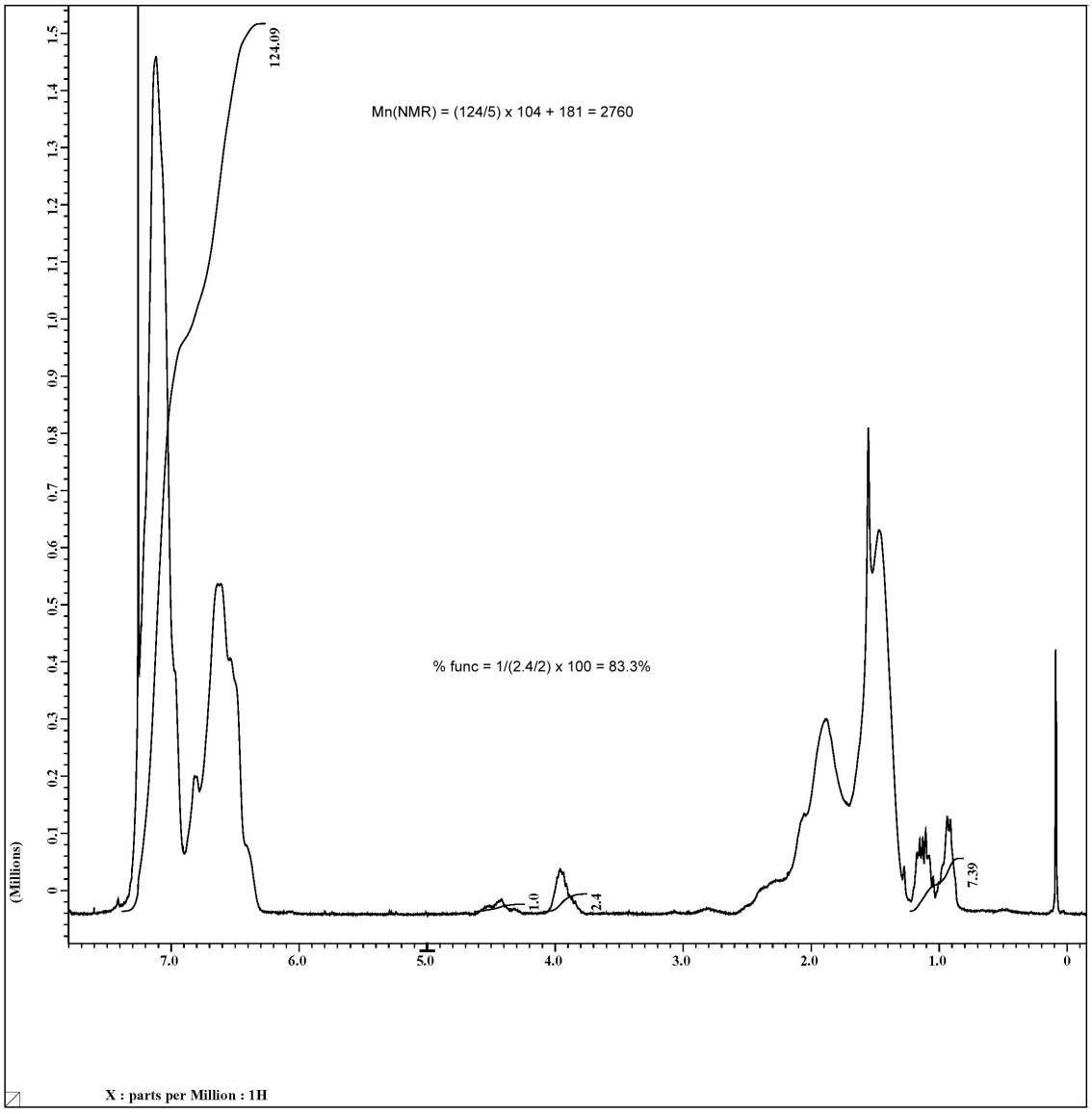

Figure S5. ^{1}H-NMR of PSt obtained in $scCO_2$ after 48 h of reaction.