

Research Article

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Syntheses and crystal structures of ethyltin complexes with ferrocenecarboxylic acid

Supplementary material

S1 IR of compounds 1–3: $\text{Et}_2\text{Sn}(\text{OC}(\text{O})\text{Fc})_2$ (1), $[(\text{Et}_2\text{SnOC}(\text{O})\text{Fc})_2\text{O}]_2$ (2), and $[\text{EtSn}(\text{O})\text{OC}(\text{O})\text{Fc}]_6$ (3)

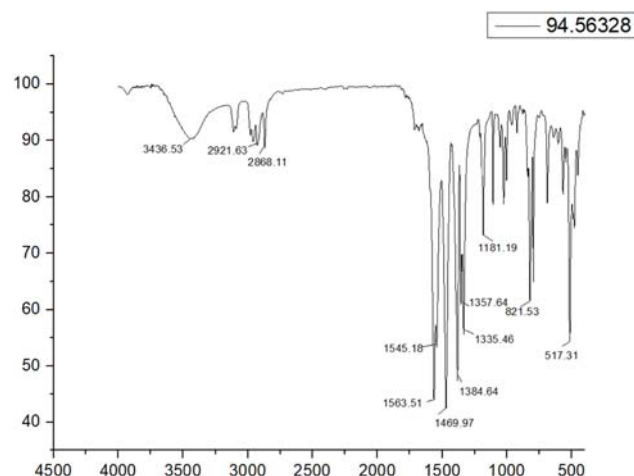


Figure S1: IR of compound 1 in KBr.

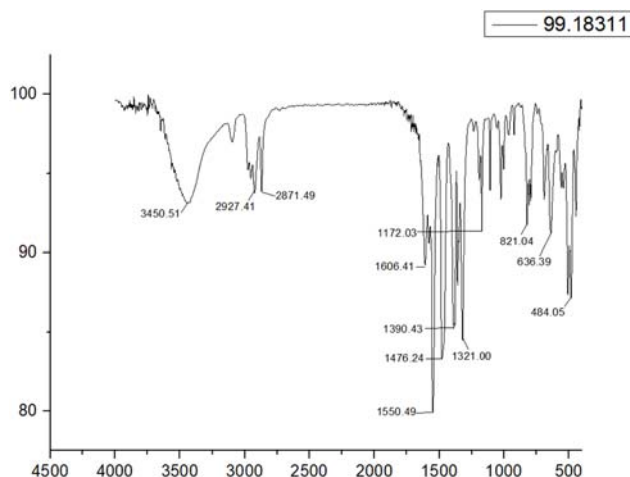


Figure S2: IR of compound 2 in KBr.

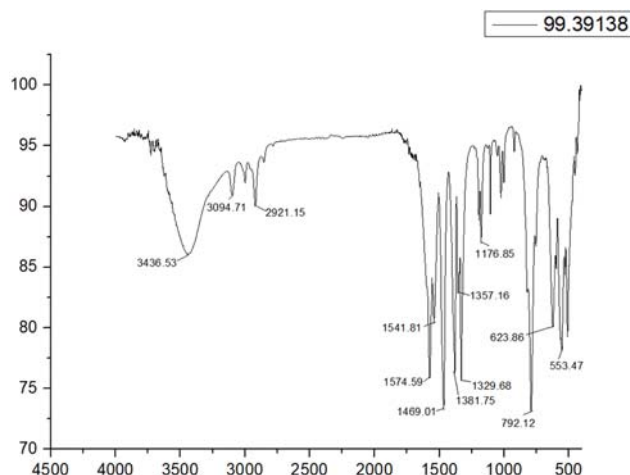
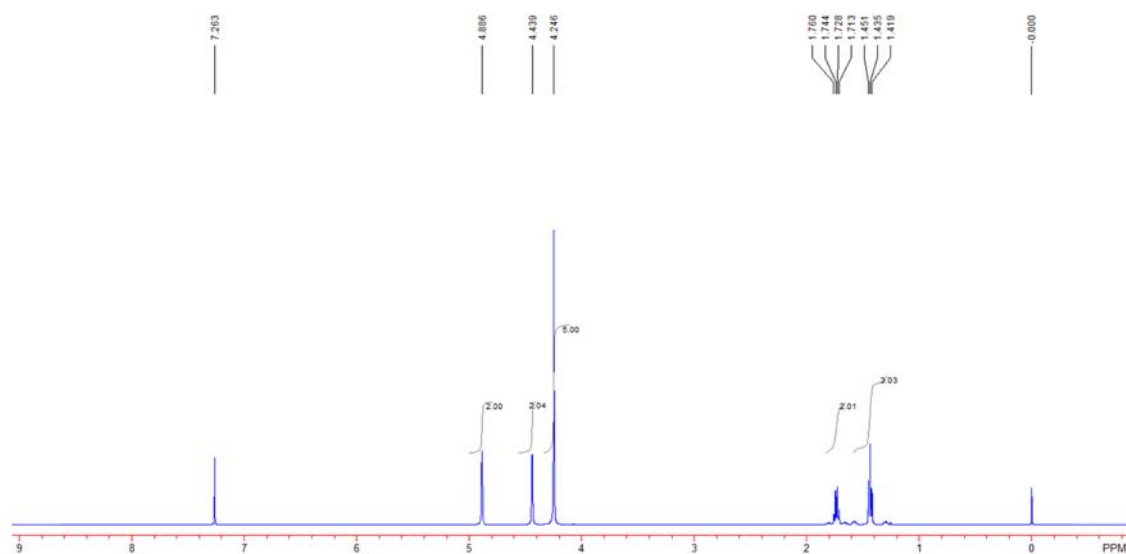
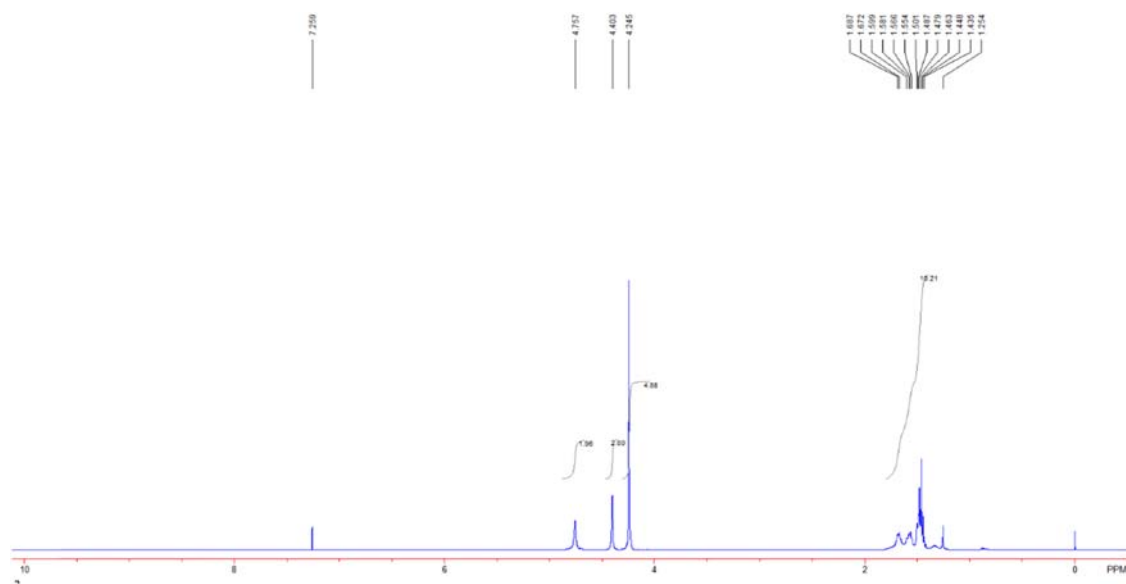


Figure S3: IR of compound 3 in KBr.

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S2 ^1H NMR of compounds 1–3Figure S4: ^1H NMR of compound 1 in CDCl_3 .Figure S5: ^1H NMR of compound 2 in CDCl_3 .

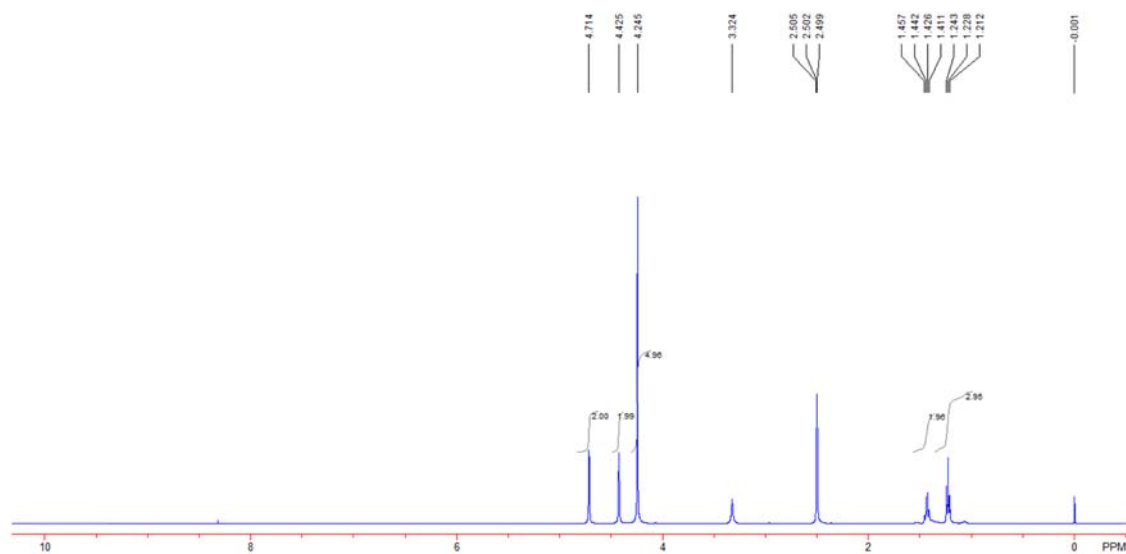


Figure S6: ^1H NMR of compound **3** in $\text{DMSO-}d_6$ (DMSO residual peak: δ 2.5, H_2O : δ 3.3).

S3 ^{13}C NMR of compounds **1** and **2**

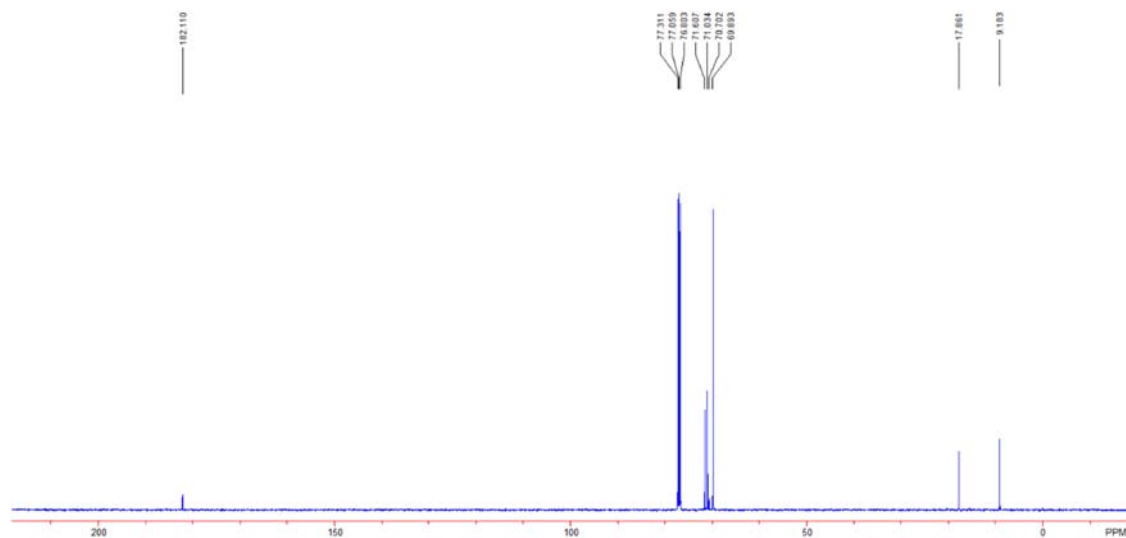


Figure S7: ^{13}C NMR of compound **1** in CDCl_3 .

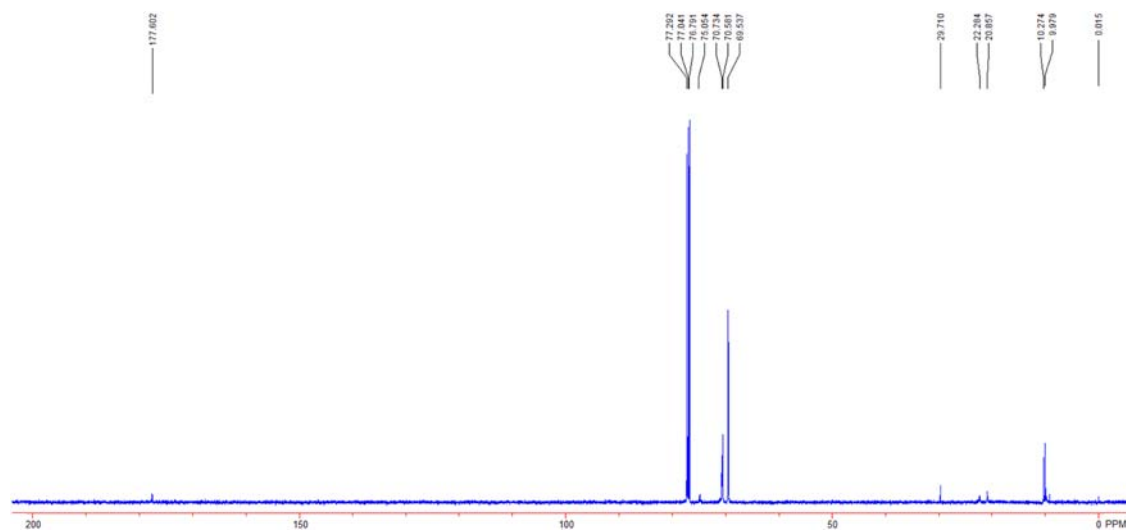


Figure S8: ¹³C NMR of compound 2 in CDCl₃.

S4 ¹¹⁹Sn NMR of compounds 1 and 2

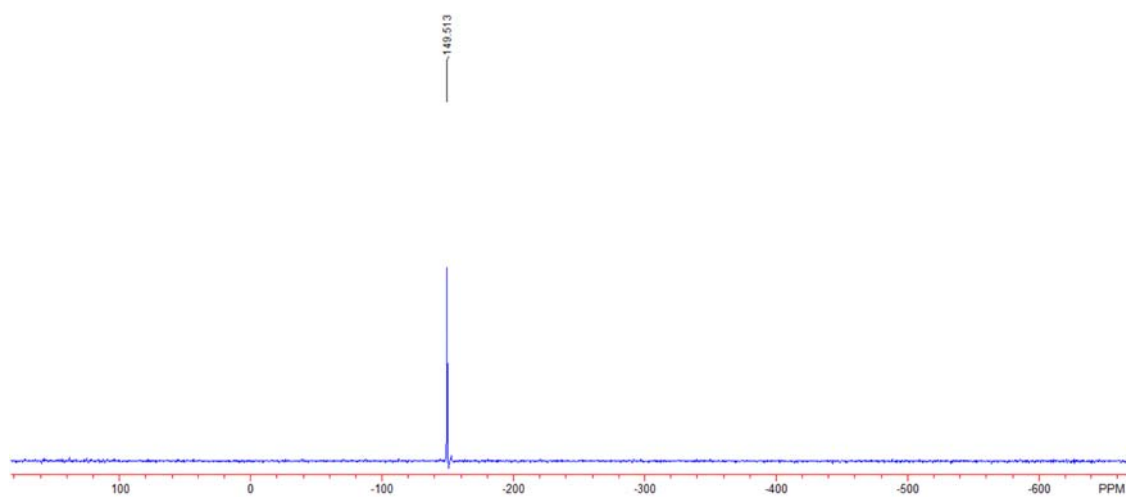


Figure S9: ¹¹⁹Sn NMR of compound 1 in CDCl₃.

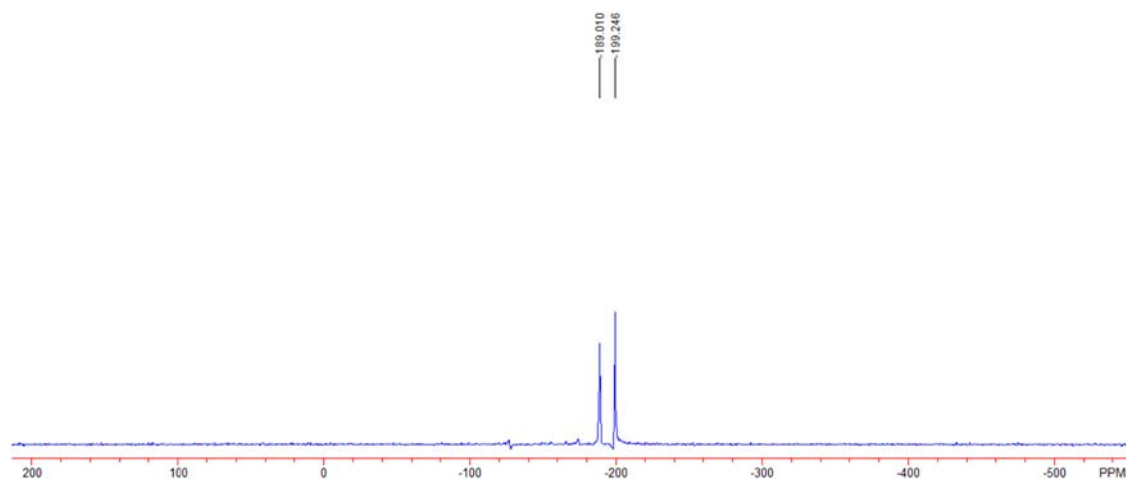


Figure S10: ^{119}Sn NMR of compound 2 in CDCl_3 .