

Electronic Supplementary Information (ESI)

Synthesis and characterisation of alkaline earth diphenylphosphanometallocene complexes and heterobimetallic alkaline earth metal/platinum(II) complexes [Ae(thf)_x(η⁵-C₅H₄PPh₂)₂Pt(Me)₂] (Ae = Ca, Sr, Ba)

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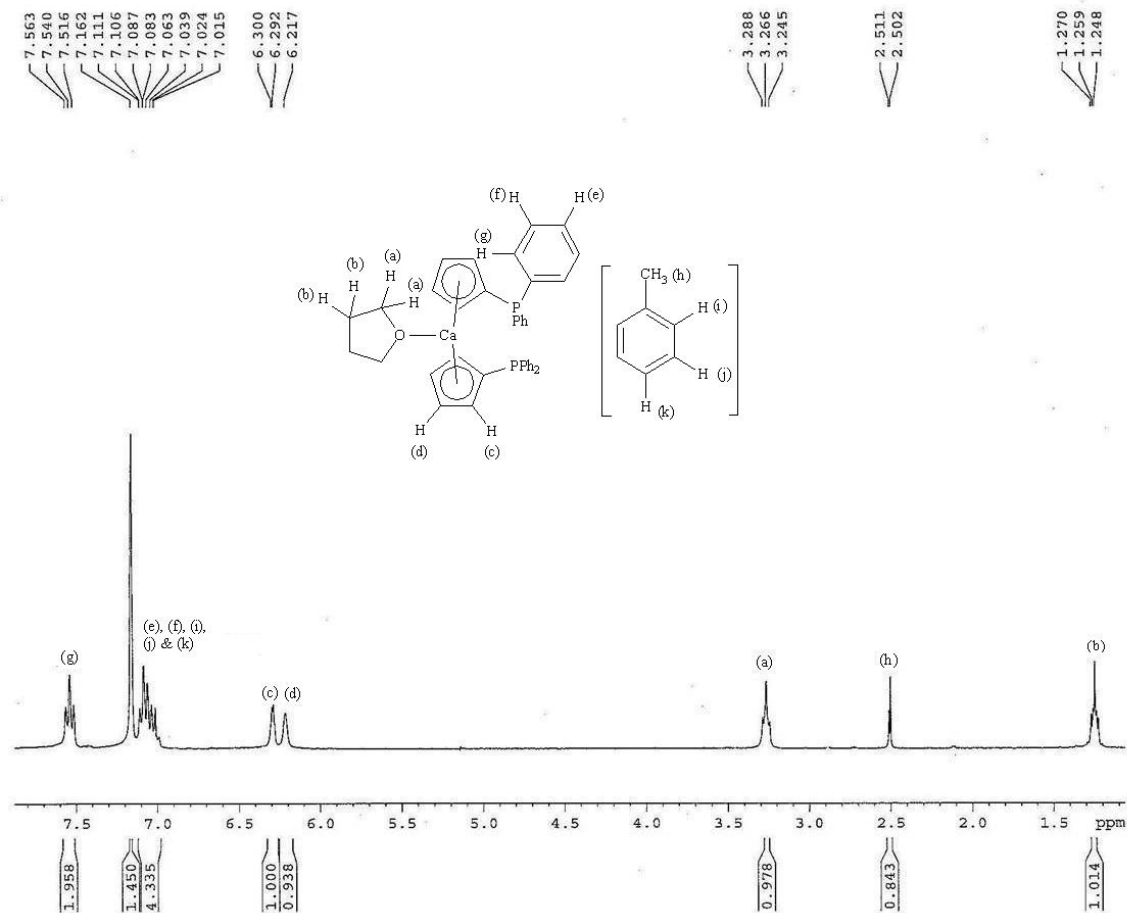


Figure S1. ¹H NMR spectrum of **6a** in C₆D₆ at room temperature showing the 2:1:1 ratio of C₅H₄PPh₂: thf: toluene.

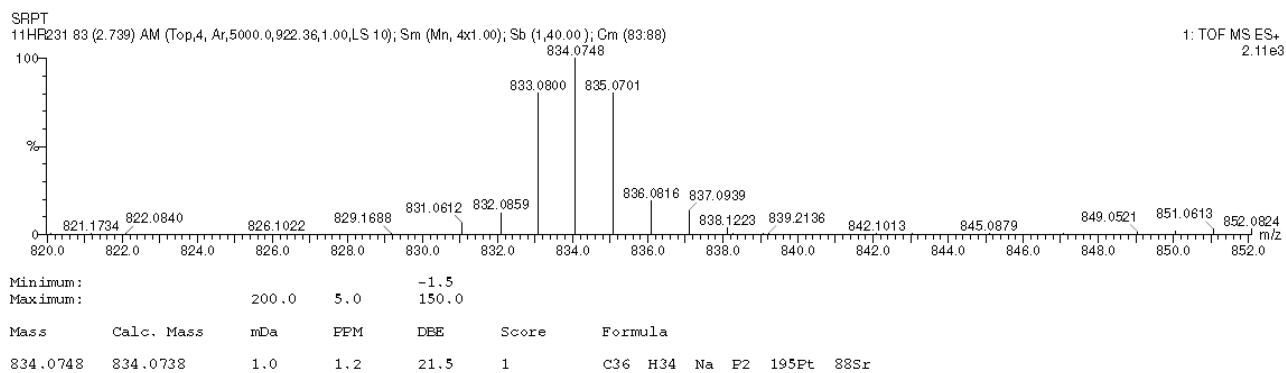


Figure S2. HRMS spectrum of **10** in thf/acetonitrile in the positive mode showing [M+Na]⁺ at m/z 834.0748.

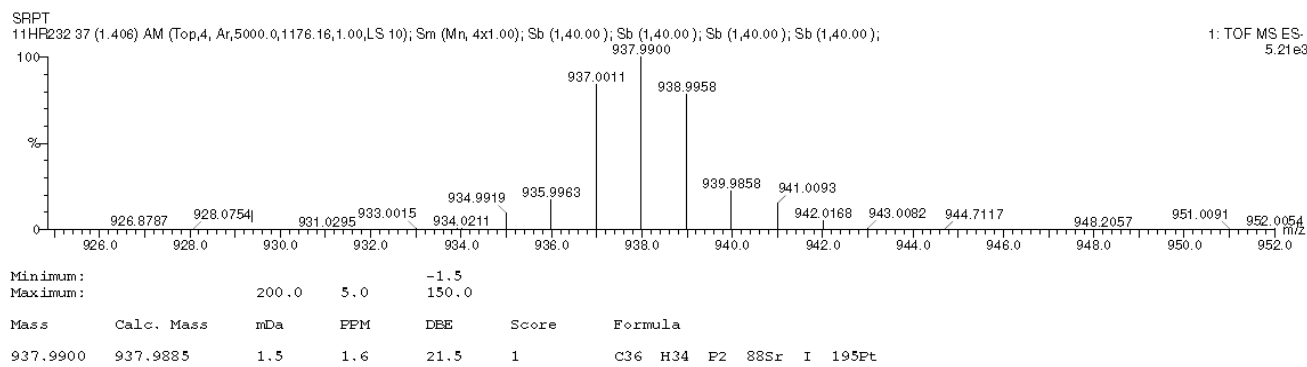


Figure S3. HRMS spectrum of **10** in thf/acetonitrile in the negative mode showing $[M+I]^-$ at m/z 937.9900.