

# **Synthesis and characterisation of estrogenic carriers for cytotoxic Pt(II) fragments: biological activity of the resulting complexes**

## **Supporting Information**

***Elisabetta Gabano,<sup>a</sup> Claudio Cassino,<sup>a</sup> Samuele Bonetti,<sup>a</sup> Cristina Prandi,<sup>a</sup> Donato Colangelo,<sup>b</sup> AnnaLisa Ghiglia<sup>b</sup> and Domenico Osella\*<sup>a</sup>***

<sup>a</sup> Dipartimento di Scienze dell'Ambiente e della Vita, Università del Piemonte Orientale "A. Avogadro", Spalto Marengo 33, 15100 Alessandria, Italy. Fax: +39 0131 287416; Tel: +39 0131 287429; E-mail: domenico.osella@mfn.unipmn.it

<sup>b</sup> Dipartimento di Scienze Mediche, Università del Piemonte Orientale "A. Avogadro", via Solaroli 17, I-28100, Novara, Italy.

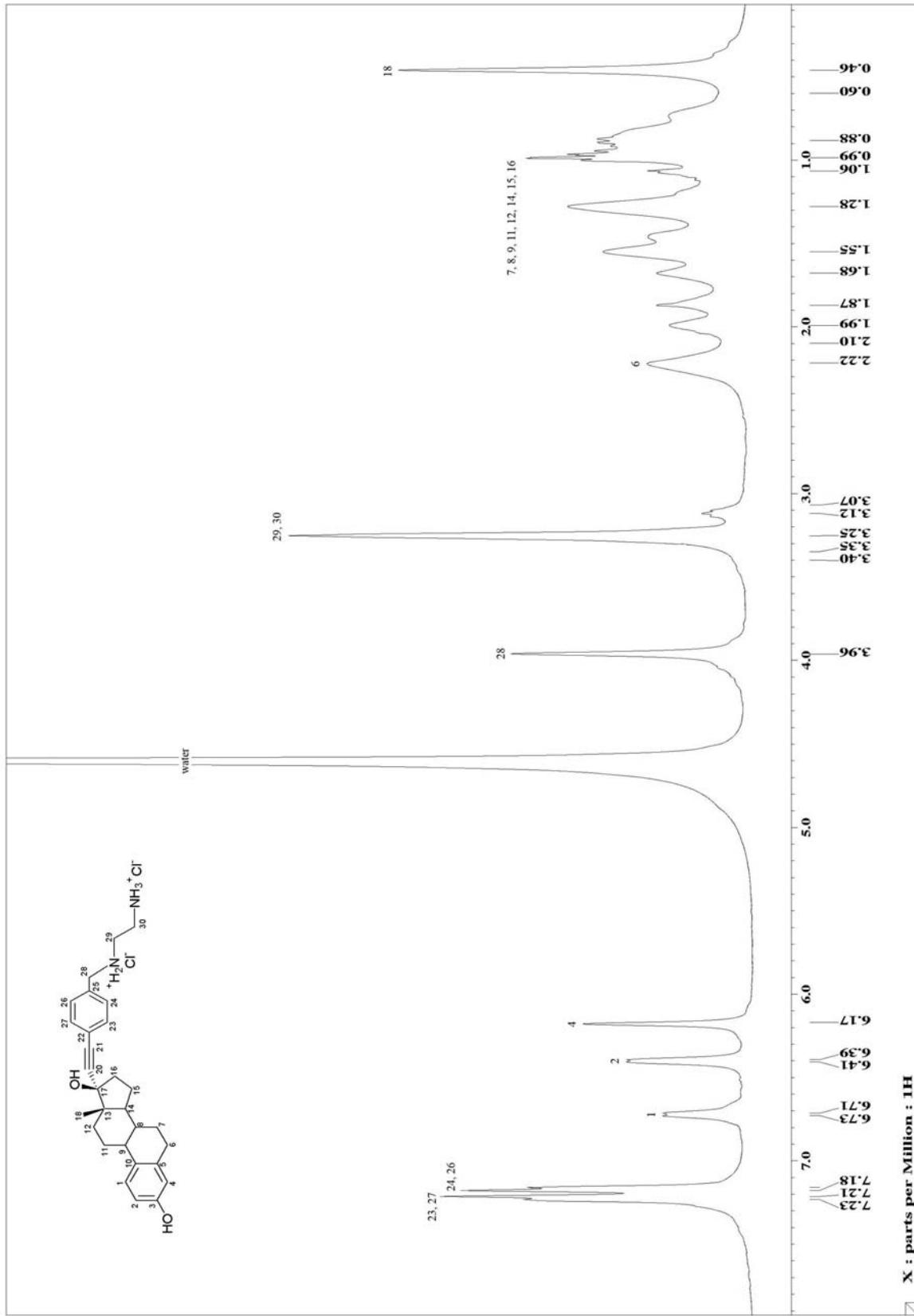
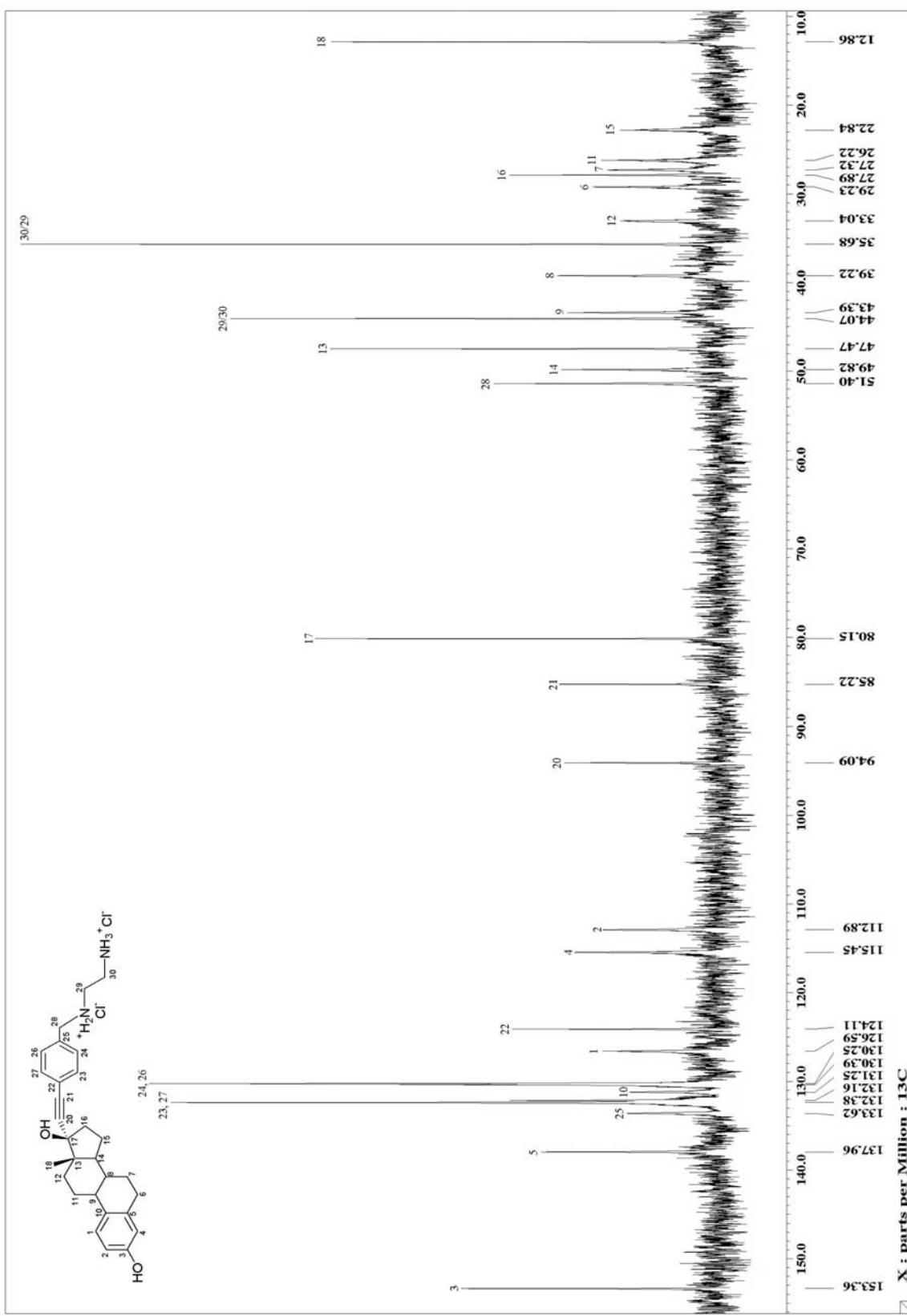


Figure S1.  $^1\text{H}$ -NMR spectrum of ligand 4 in  $\text{D}_2\text{O}$ .



**Figure S2.**  $^{13}\text{C}$ -NMR spectrum of ligand 4 in  $\text{D}_2\text{O}$ .

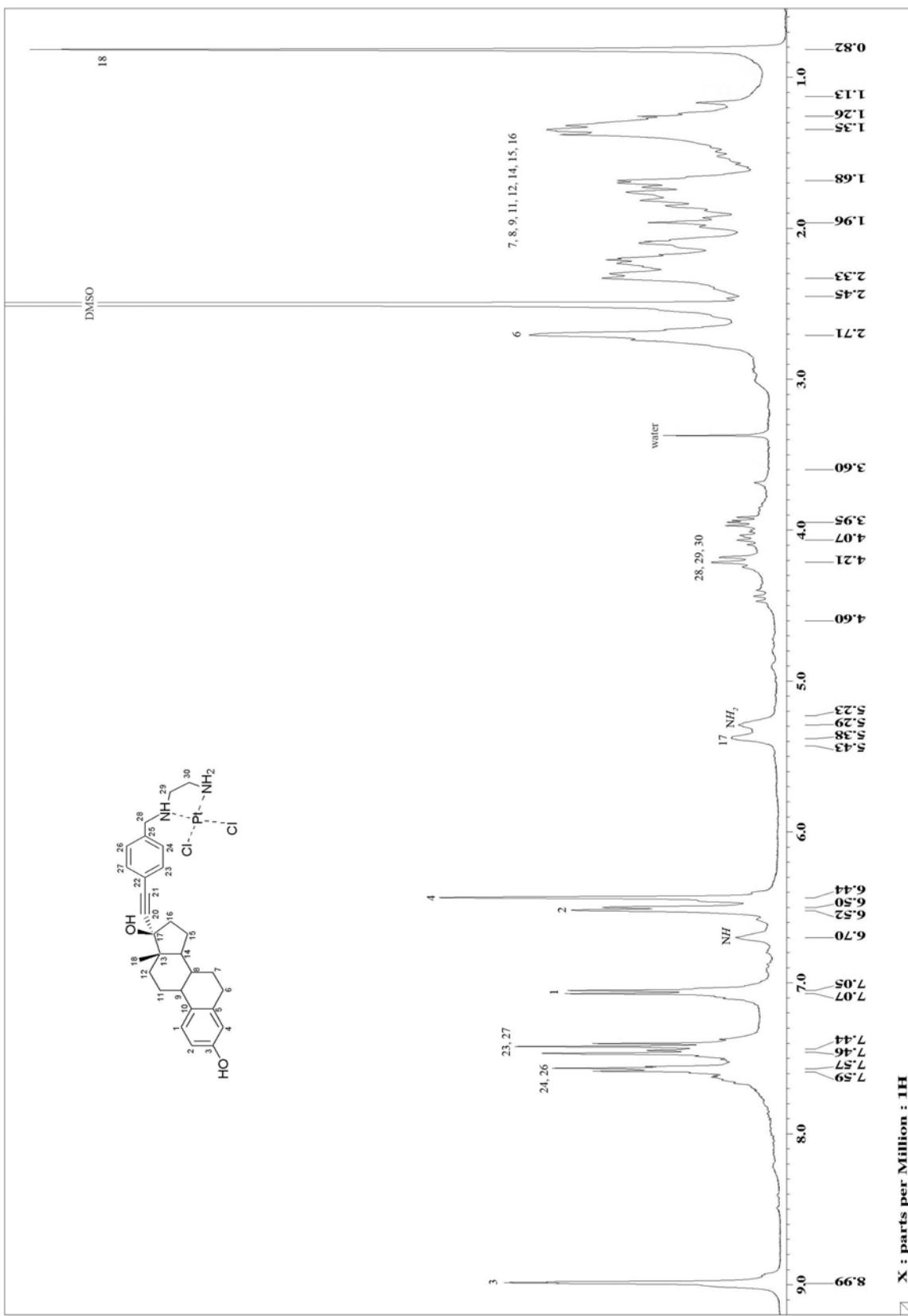


Figure S3.  $^1\text{H}$ -NMR spectrum of complex 7 in  $(\text{CD}_3)_2\text{SO}$ .

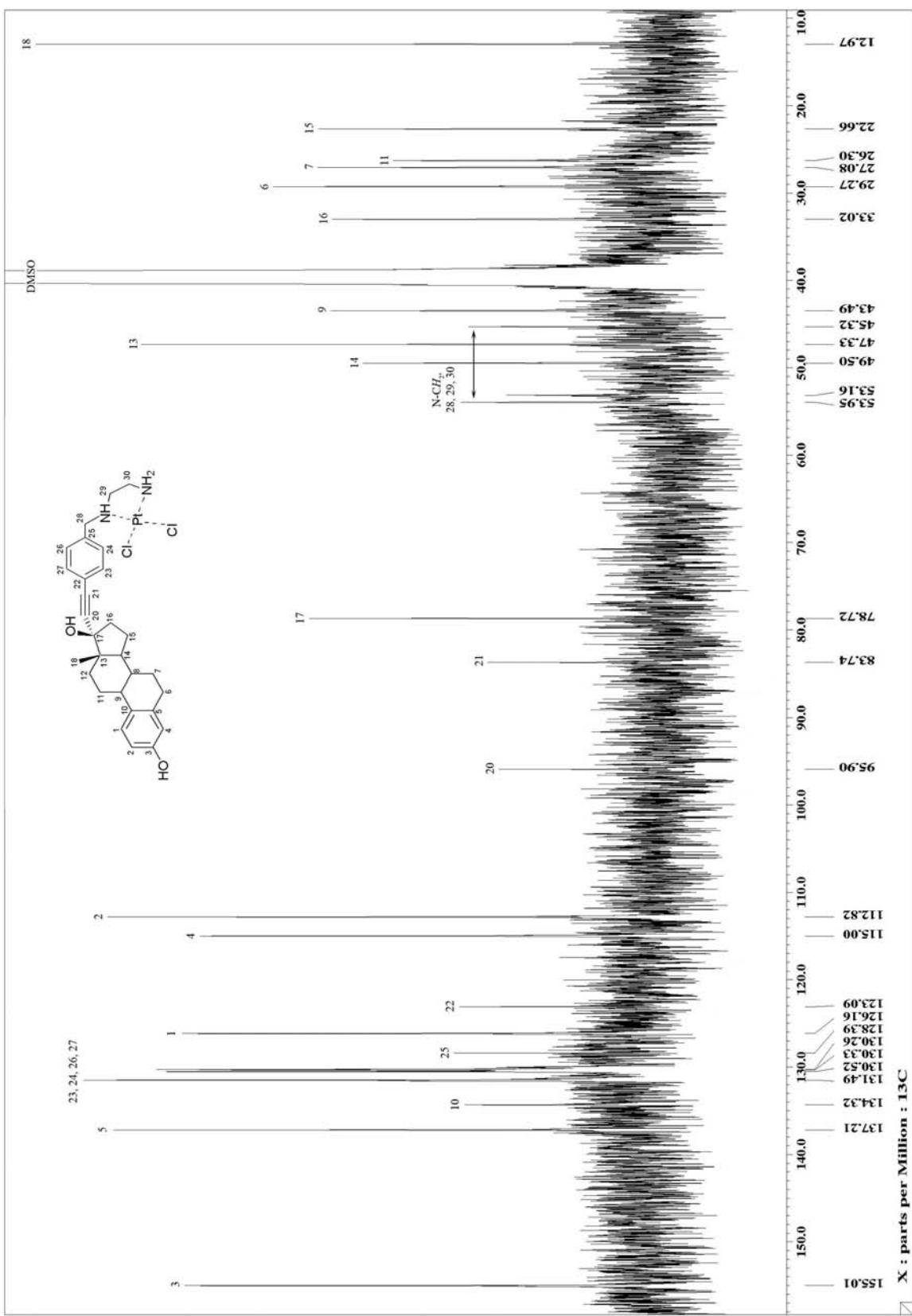


Figure S4.  $^{13}\text{C}$ -NMR spectrum of complex 7 in  $(\text{CD}_3)_2\text{SO}$ .

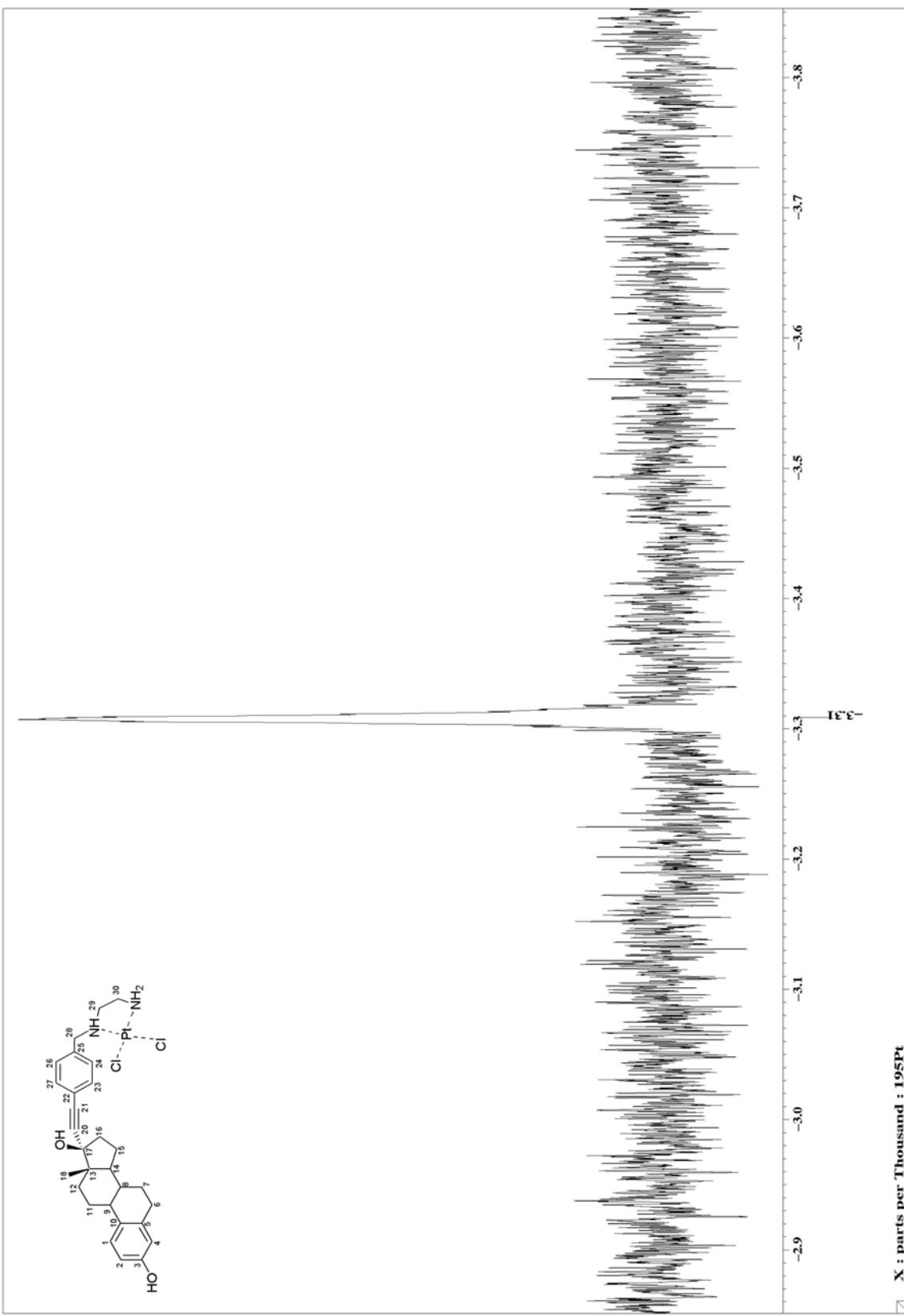
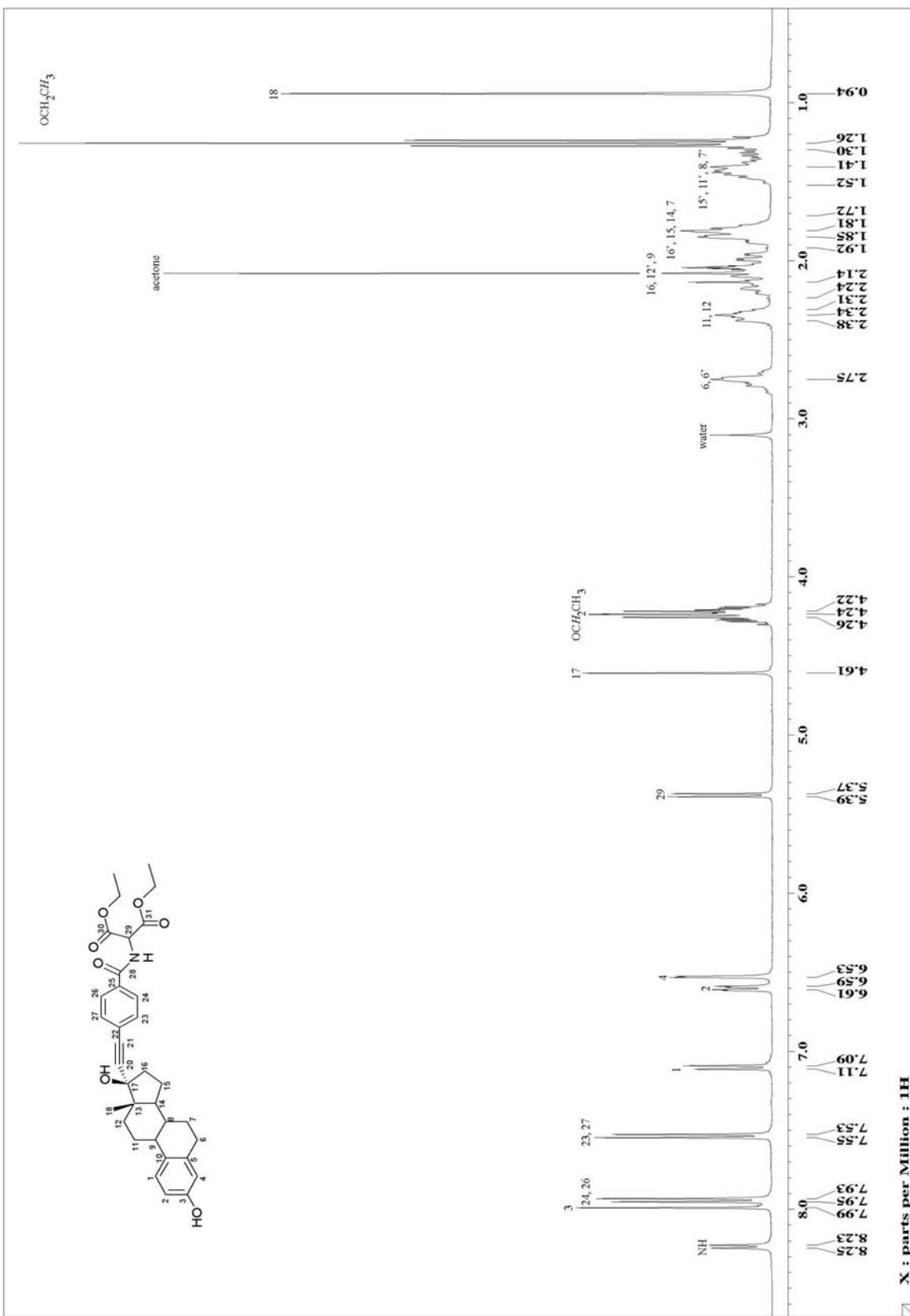


Figure S5.  $^{195}\text{Pt}$ -NMR spectrum of complex 7 in  $(\text{CD}_3)_2\text{SO}$ .



**Figure S6.**  $^1H$ -NMR spectrum of ligand **6** in  $(CD_3)_2CO$ .

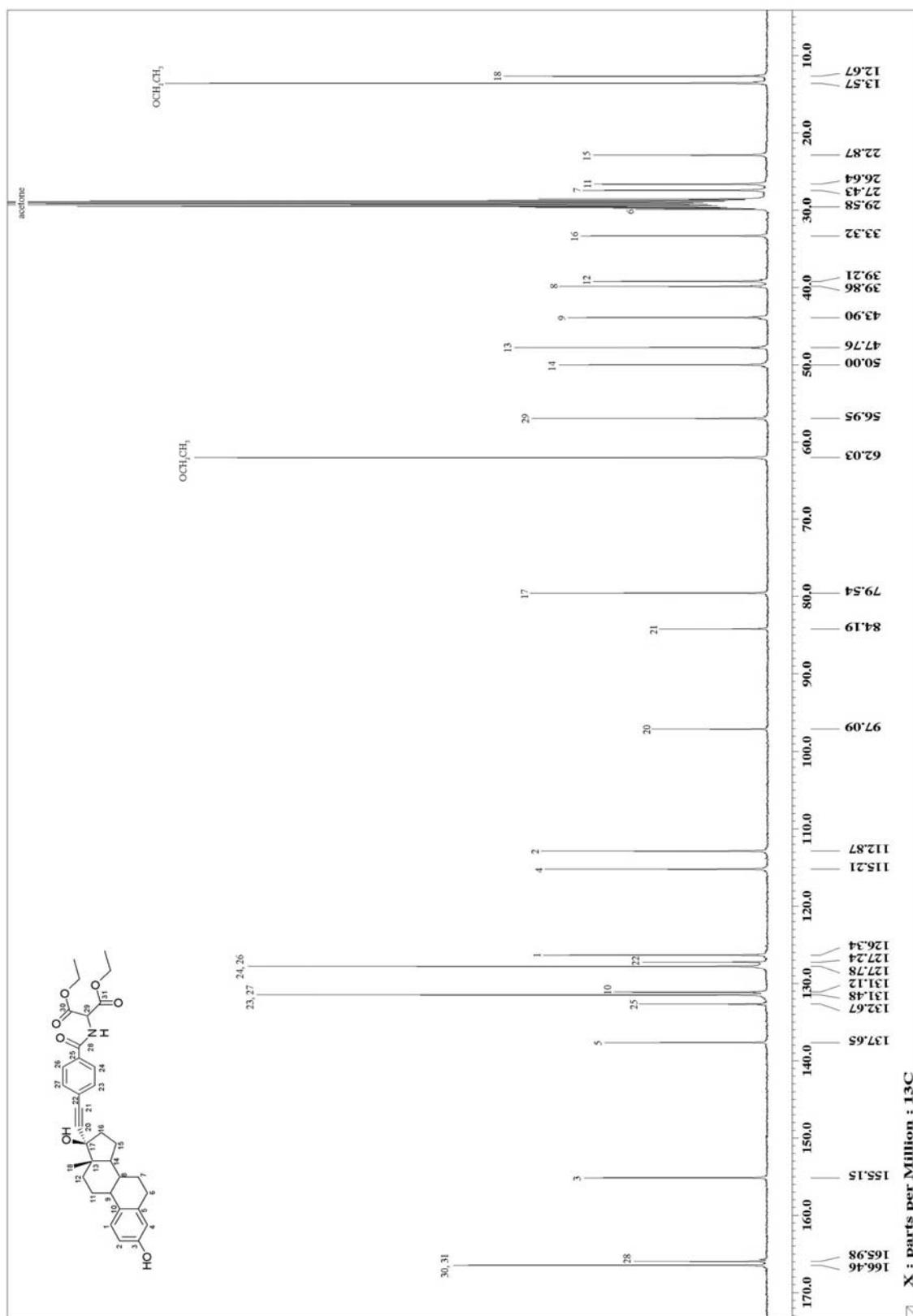
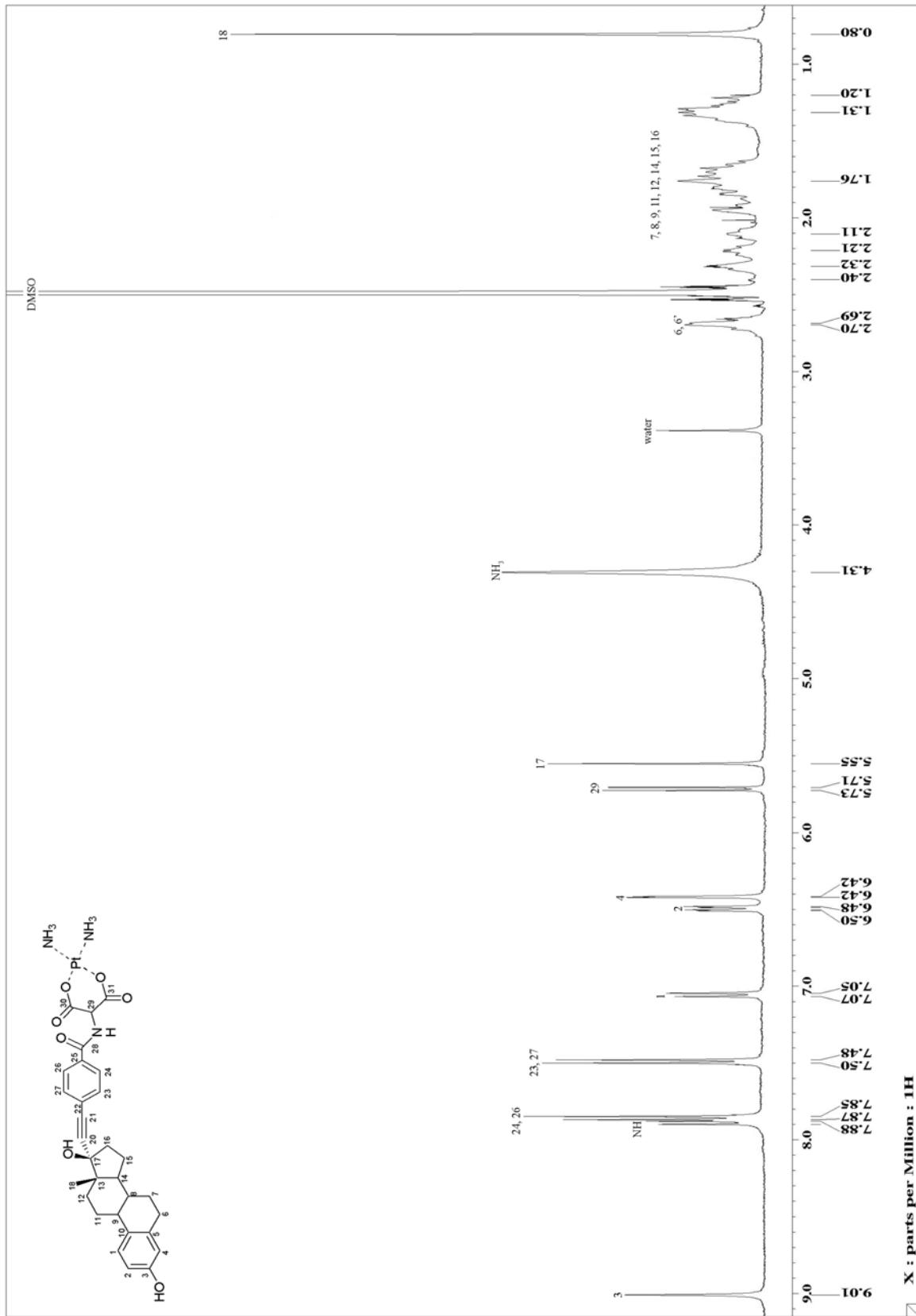
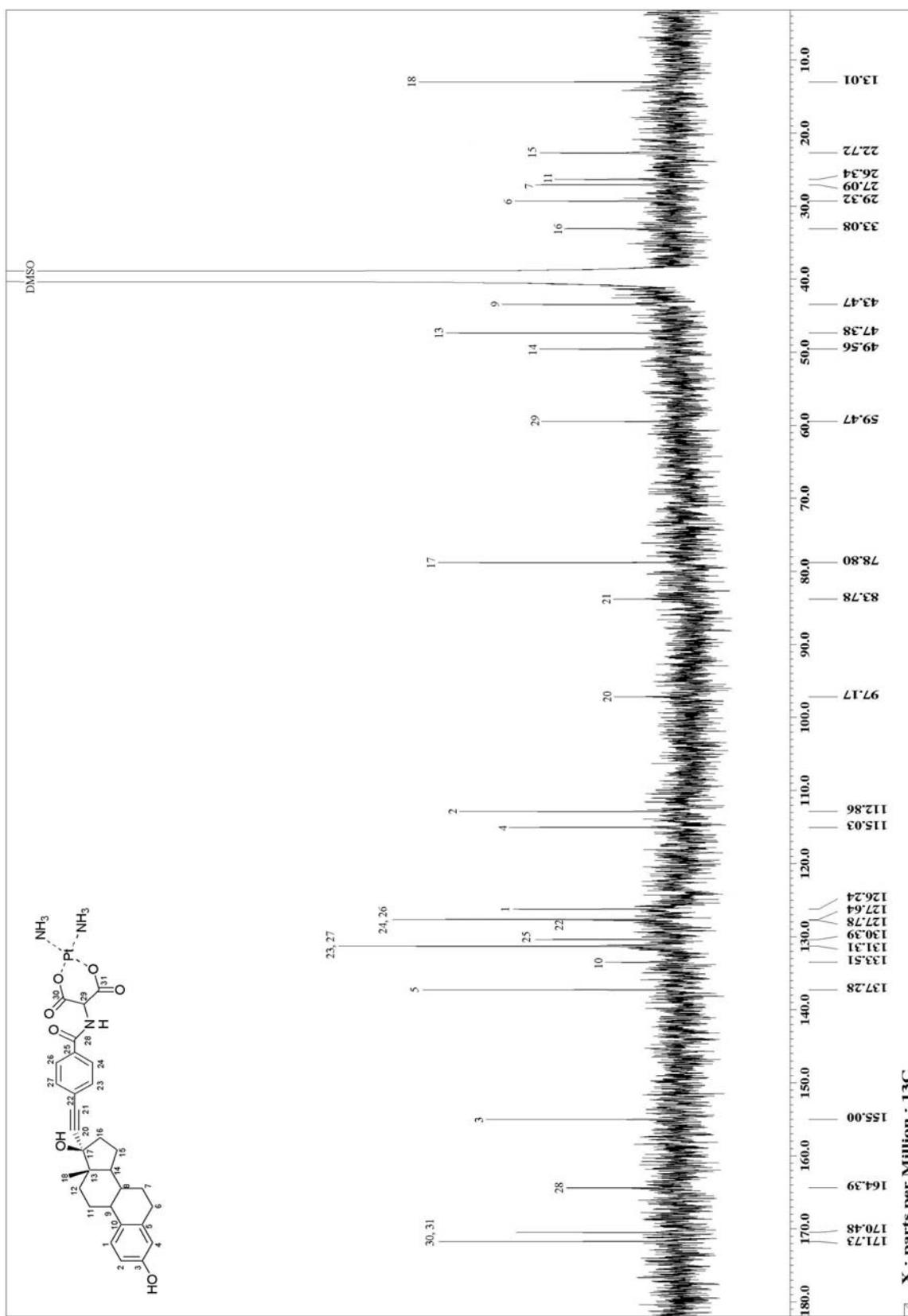


Figure S7.  $^{13}\text{C}$ -NMR spectrum of ligand 6 in  $(\text{CD}_3)_2\text{CO}$ .



**Figure S8.**  $^1\text{H}$ -NMR spectrum of complex 8 in  $(\text{CD}_3)_2\text{SO}$ .



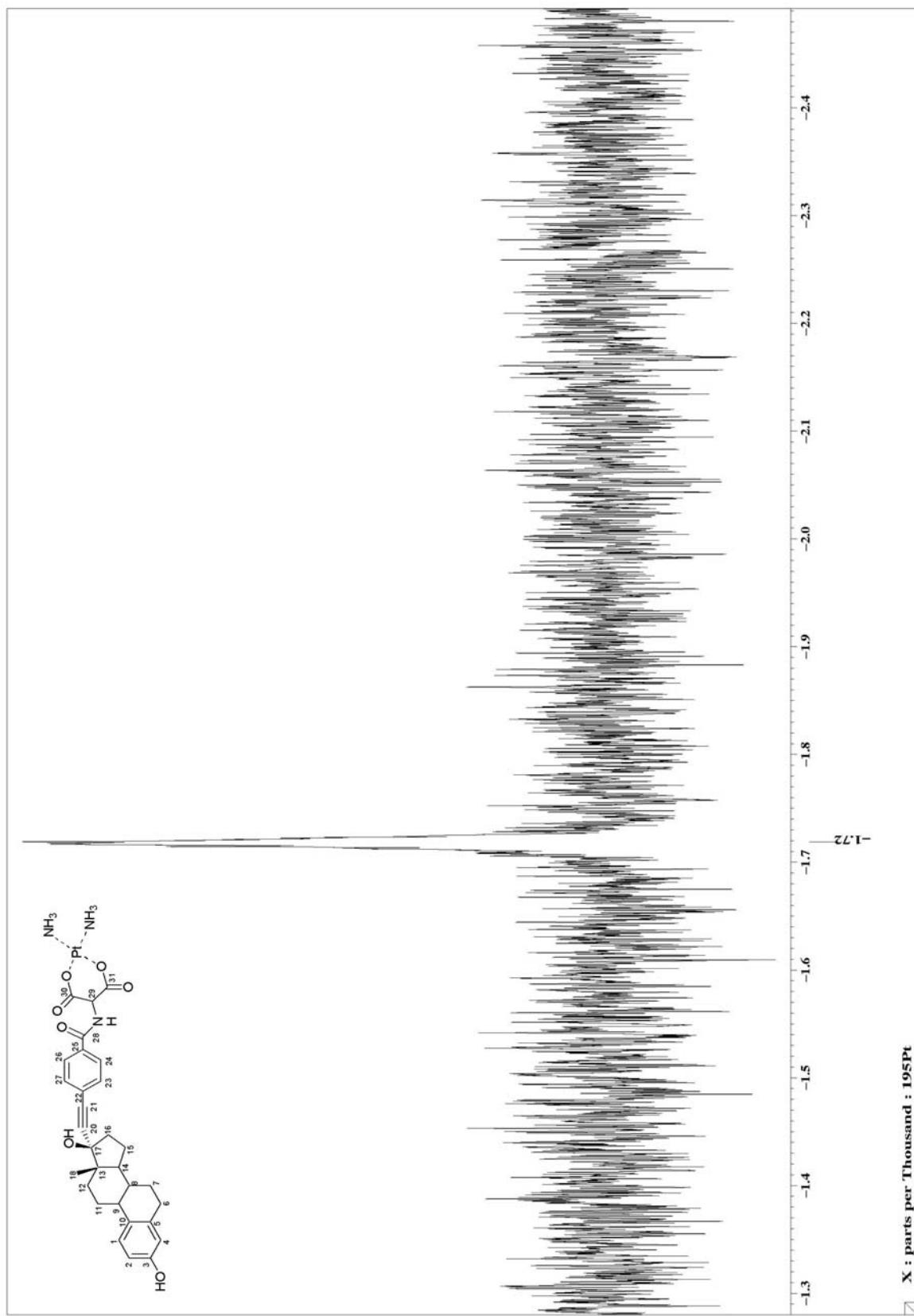


Figure S10.  $^{195}\text{Pt}$ -NMR spectrum of complex 8 in  $(\text{CD}_3)_2\text{SO}$ .