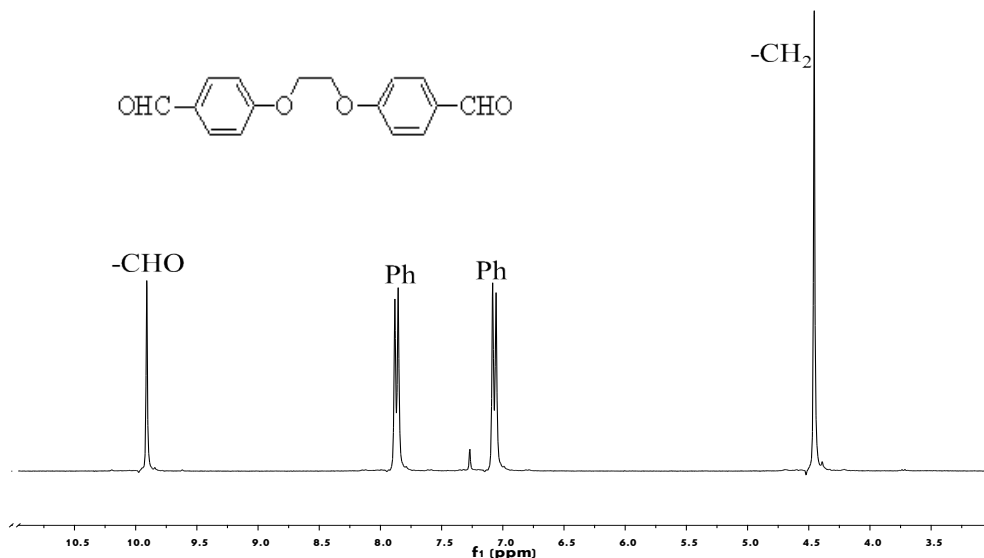


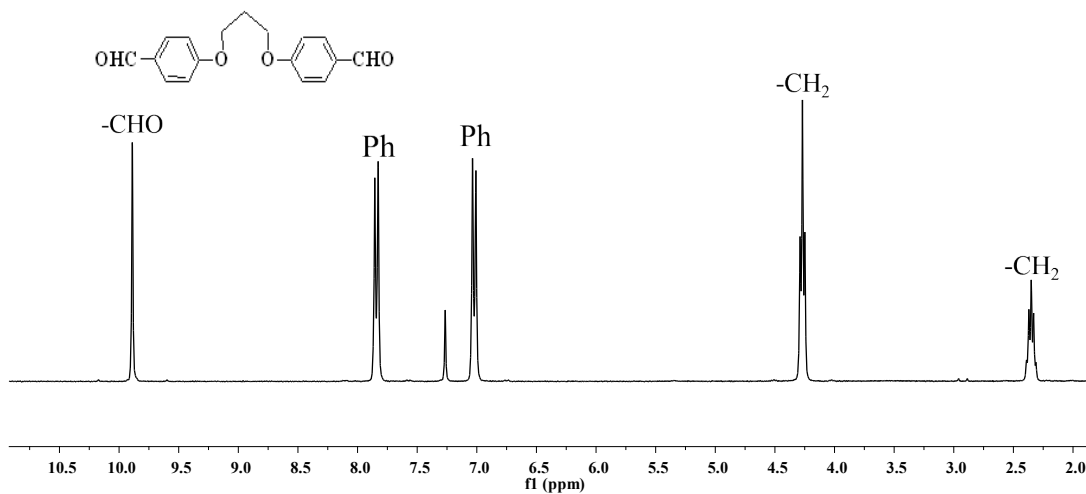
Electronic Supplementary Information

Synthesis, characterization and anticancer activity of dinuclear ruthenium(II) complexes linked by alkyl chain

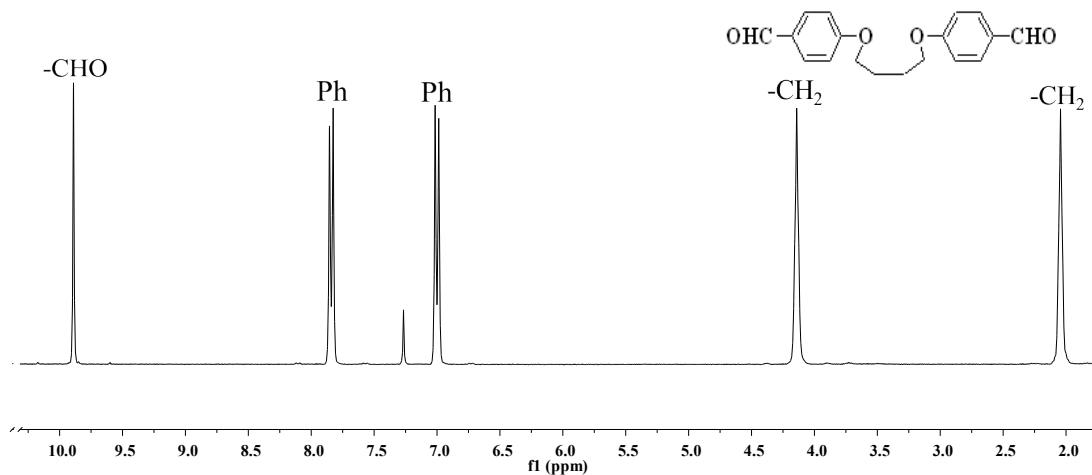
Yan Zhang ^a, Lu Lai ^b, Ping Cai ^{a*}, Gong-Zhen Cheng ^{a*}, Yi Liu ^a



4,4'-(ethane-1,2-diylbis(oxy))dibenzaldehyde

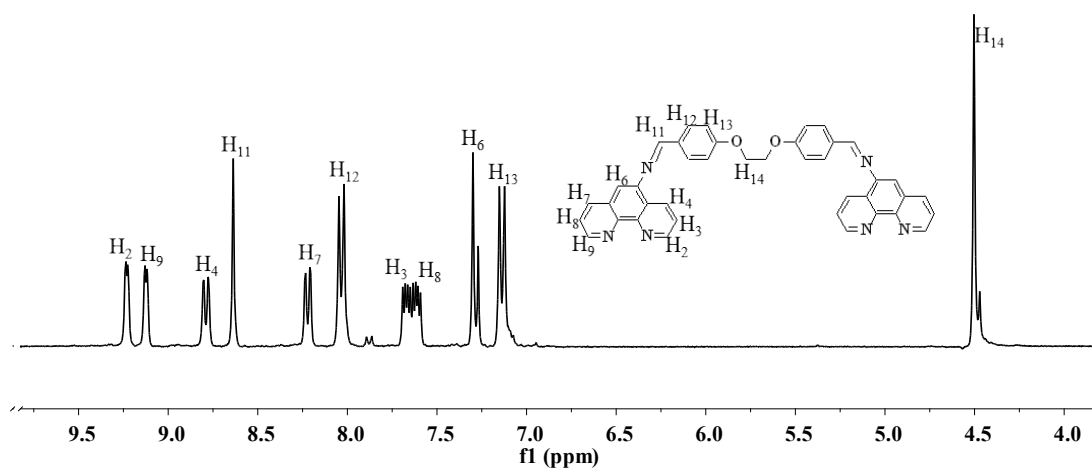


4,4'-(propane-1,3-diylbis(oxy))dibenzaldehyde



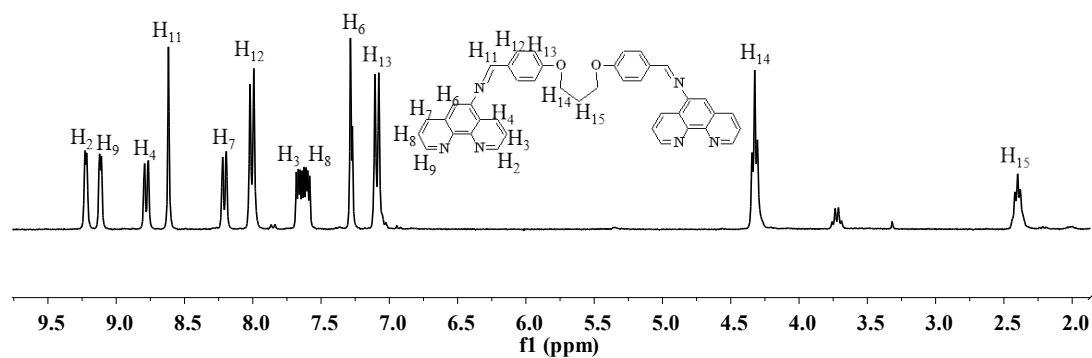
4,4'-(butane-1,4-diylbis(oxy))dibenzaldehyde

Fig.1 ¹H NMR spectrum of dialdehyde in CDCl₃

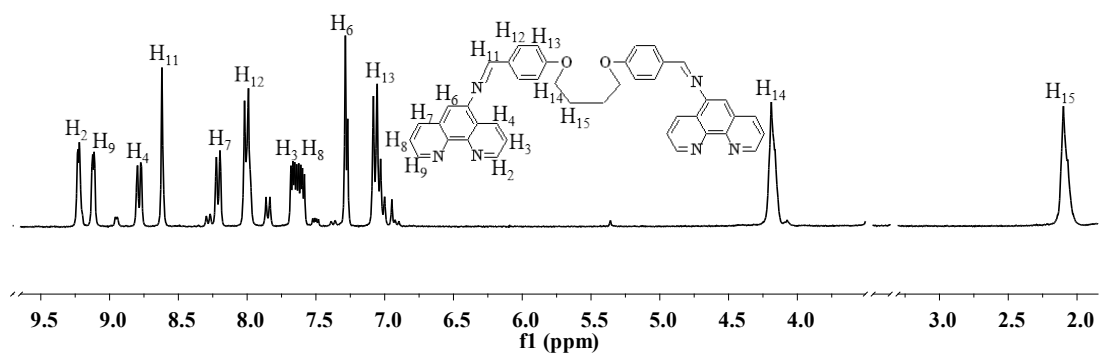


L¹

5

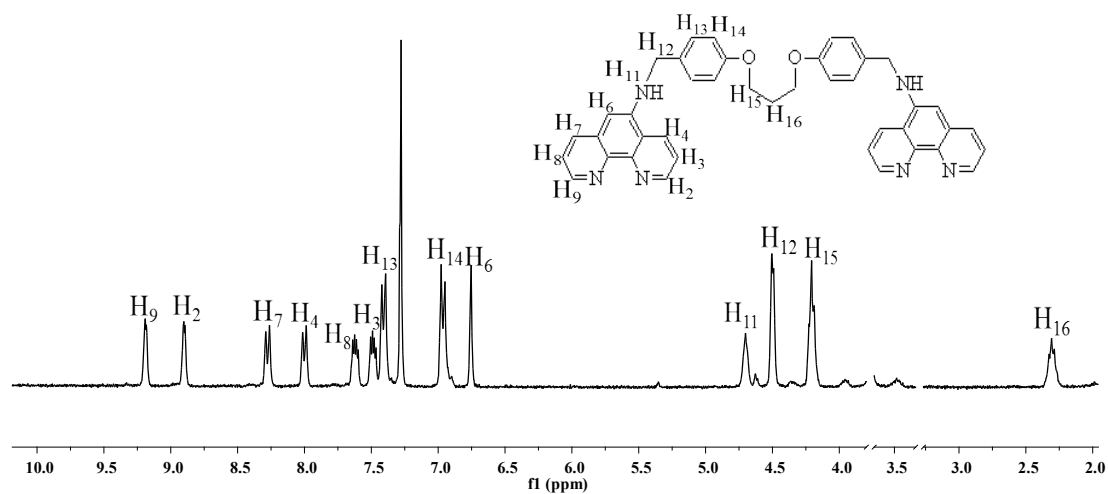


L²

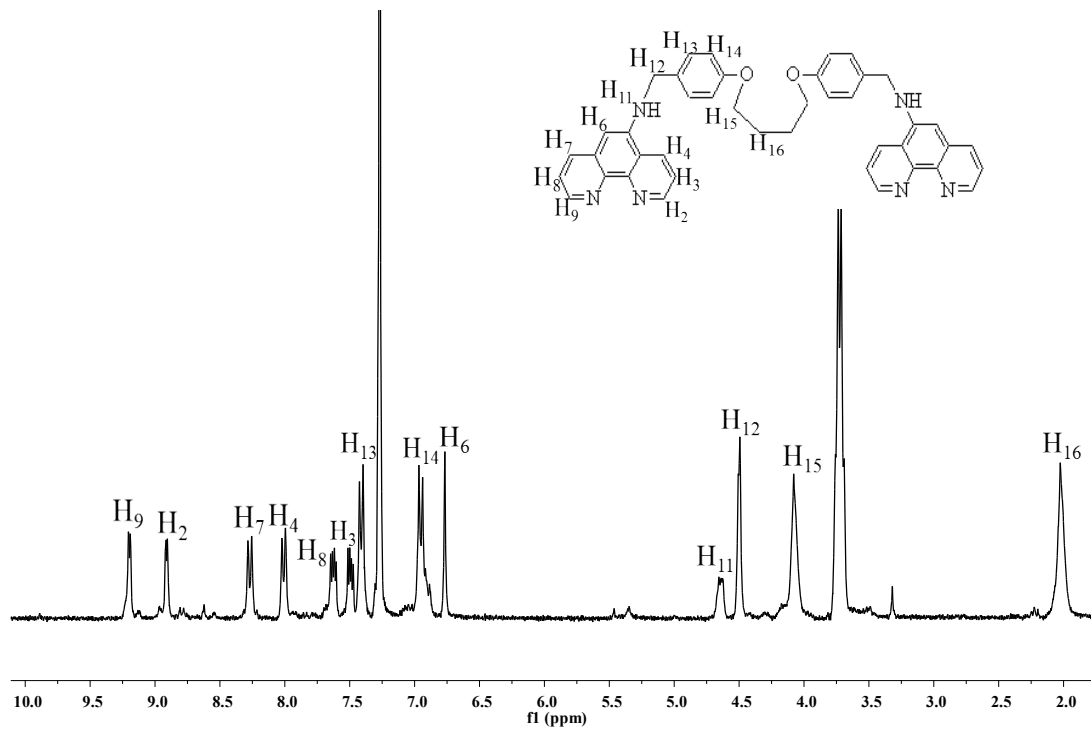


L³

Fig.2 ¹H NMR spectrum of Schiff base **L¹⁻³** in CDCl₃.

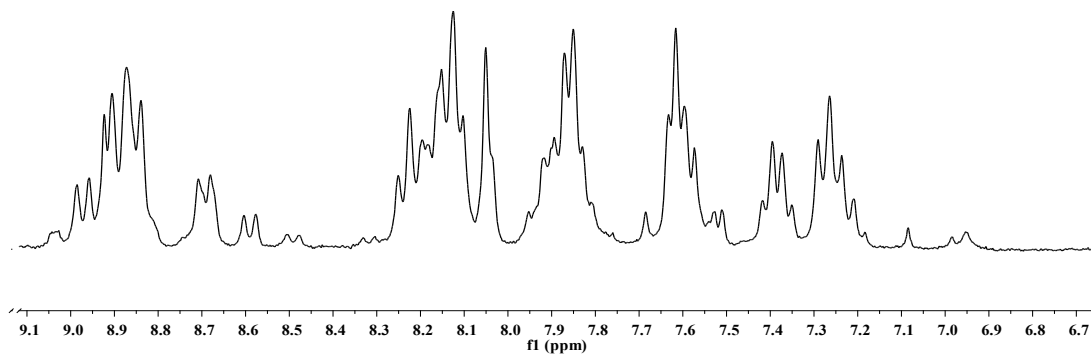


BL²

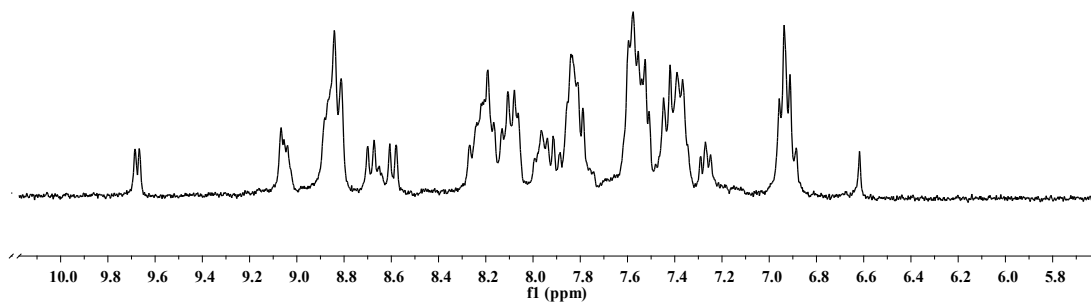


BL³

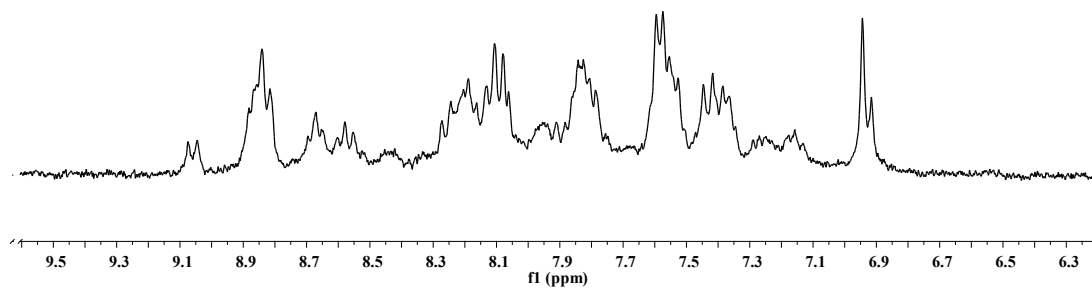
Fig.3 ¹H NMR spectrum of BL² and BL³ in CDCl₃.



Complex 1

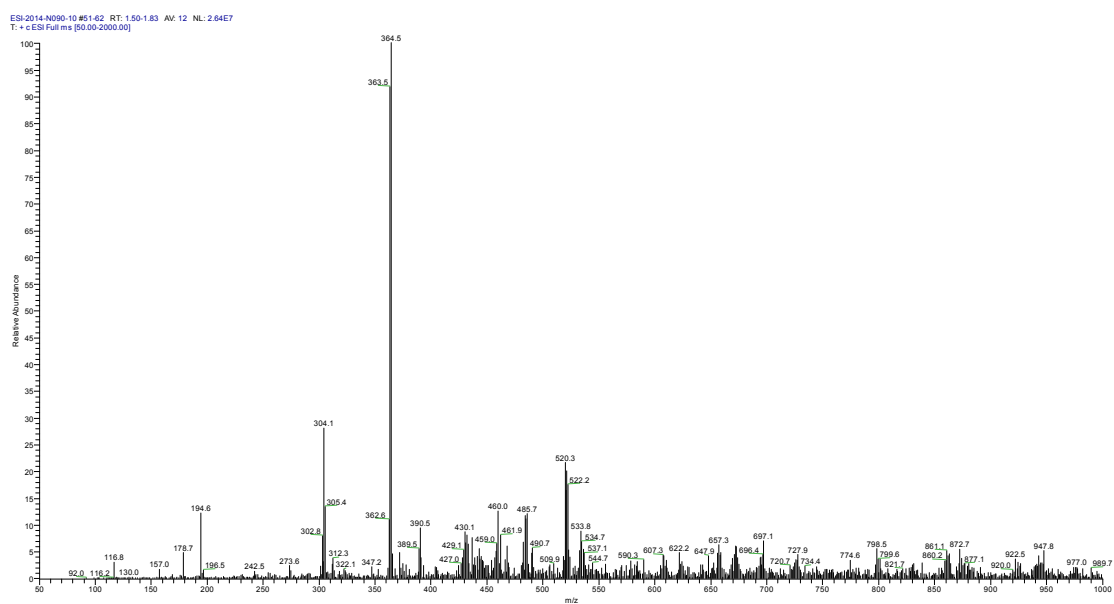


Complex 2

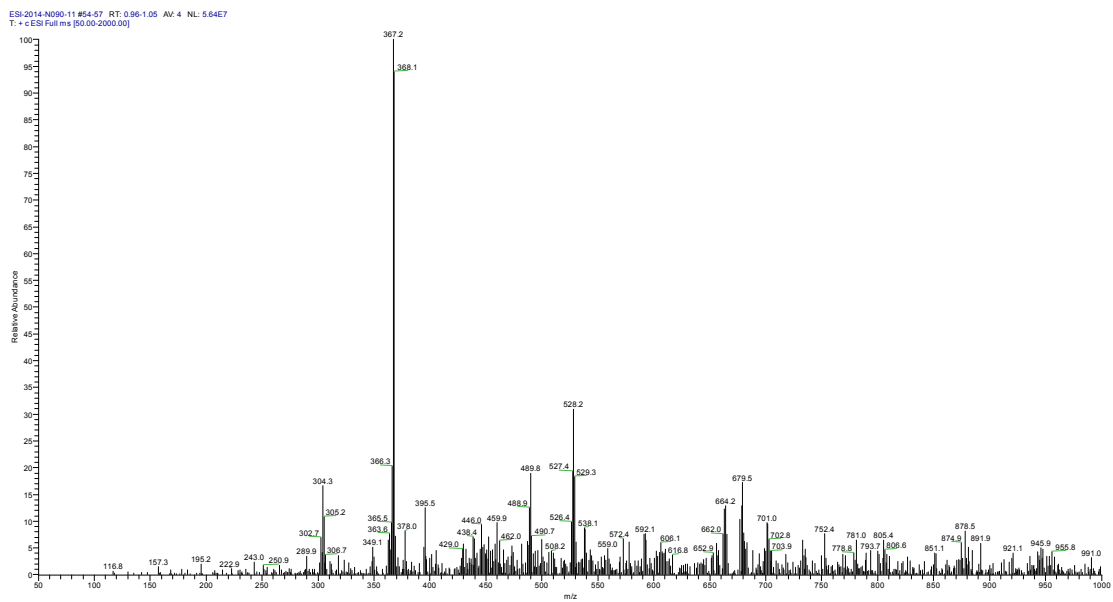


Complex 3

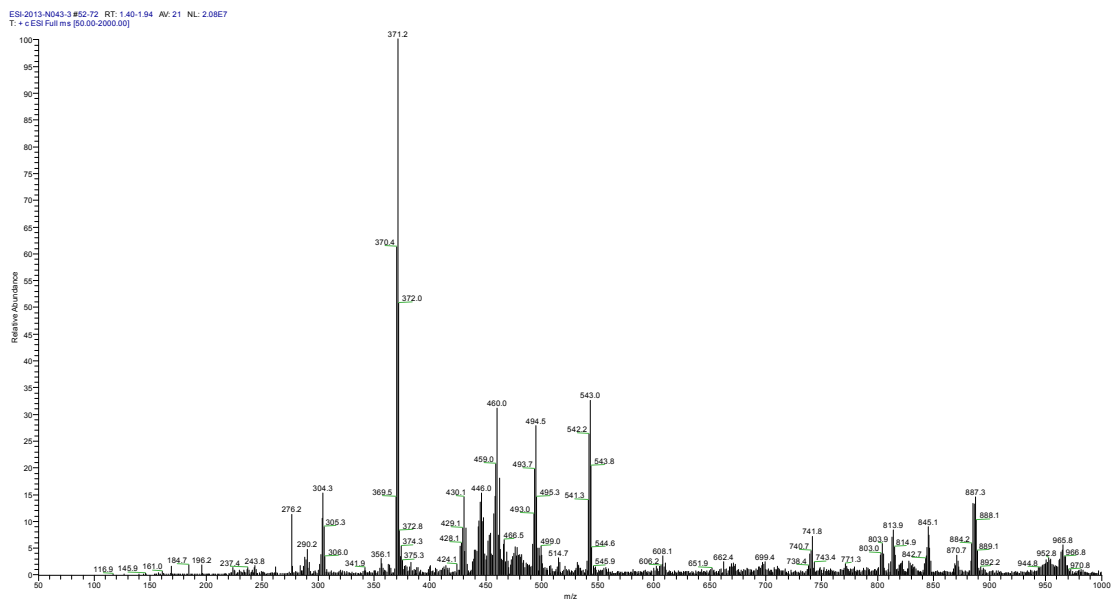
Fig.4 ^1H NMR spectrum of complexes 1-3 in the aromatic region in d_6 -DMSO



Complex 1



Complex 2



Complex 3

Fig. 5 ESI-MS mass spectrum of the complexes **1-3** in DMSO