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SUPPLEMENTARY MATERIAL TO  
**Cytotoxic Pt(IV) and Ru(II) complexes containing  
a biologically relevant edda-type ligand:  
A comparative study of their thermal properties**

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SPECTRAL DATA FOR COMPLEXES C1 AND C2

$[PtCl_4\{(S,S)\text{-}nBu_2eddchxp\}]$  (C1). Yield: 52 %; IR (ATR,  $cm^{-1}$ ): 3474, 2924, 2851, 1738, 1449, 1215, 1059, 1024, 742; <sup>1</sup>H-NMR (200 MHz, DMSO-*d*<sub>6</sub>,  $\delta$  / ppm): 0.85–0.94 (10H, *m*, CH<sub>3</sub>(CH<sub>2</sub>)<sub>3</sub>OOC, C7), 1.05–1.20 (4H, *m*, CH<sub>3</sub>CH<sub>2</sub>(CH<sub>2</sub>)<sub>2</sub>OOC), 1.25–1.45 (8H, *m*, C5,6), 1.50–1.79 (18H, *m*, CH<sub>2</sub>–Cy, C4, C5, 6 CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>), 3.50 (2H, *br s*, CHOOC), 3.97–4.29 (8H, *m*, OOCCHNH, NHCH<sub>2</sub>CH<sub>2</sub>NH, OOCCHNH), 7.25 & 9.56 (2H, *br s*, NH).

$([\eta^6\text{-}p\text{-Cymene})RuCl\{(S,S)\text{-}nBu_2eddchxp\}]PF_6$ ) (C2). Yield: 49 %; IR (ATR,  $cm^{-1}$ ): 3438, 3260, 2927, 2852, 1721, 1451, 1210, 1189, 844; <sup>1</sup>H-NMR (500.26 MHz, DMSO-*d*<sub>6</sub>,  $\delta$  / ppm): 0.78–0.98 (6H, *dt*,  $J_1 = 7.8$ ,  $J_2 = 1.9$  Hz, CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>OOC, 4H, *m*, C14), 1.00–1.20 (8H, *m*, C13), 1.24 (6H, *dd*,  $J_1 = 8.2$ ,  $J_2 = 2.0$  Hz, CH(CH<sub>3</sub>)<sub>2</sub>), 1.27–2.06 (4H, *m*, CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>OOC, 4H, CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>OOC, 4H, CH<sub>2</sub>Cy, 2H, C11, 8H, C12, 3H, CH<sub>3</sub>arene), 2.25 (4H, *m*, NHCH<sub>2</sub>CH<sub>2</sub>NH), 2.81 (1H, *sept*, CH(CH<sub>3</sub>)<sub>2</sub>), 3.65 and 4.07 (2H, *m*, OOCCHNH), 4.17 & 4.30 (4H, *m*, CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>OOC), 5.06 (1H, *d*,  $J = 8.5$  Hz, C4H<sub>arene</sub>), 5.34 (1H, *d*,  $J = 8.4$  Hz, C5H<sub>arene</sub>), 5.80 (1H, *d*,  $J = 7.5$  Hz, C4'H<sub>arene</sub>), 6.06 (1H, *d*,  $J = 7.6$  Hz, C5'H<sub>arene</sub>), 6.80–6.85 (1H, *m*, NH), 7.02–7.06 (1H, *m*, NH).

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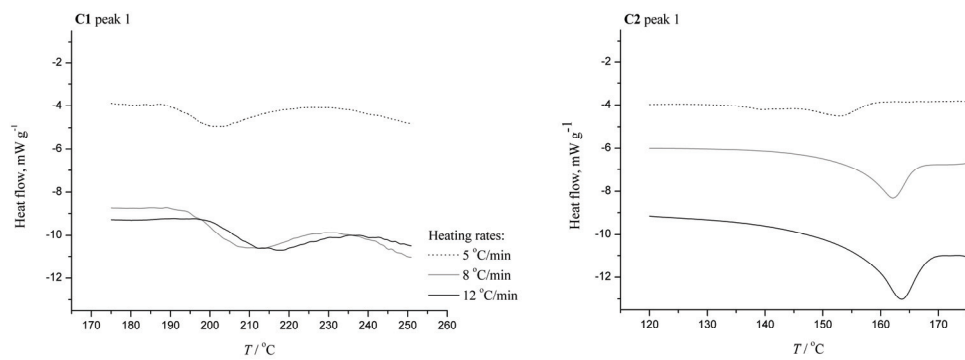


Fig. S-1. DSC curves obtained at different heating rates for the investigated complexes **C1** and **C2** and corresponding selected peaks used for kinetic calculation.