



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; ¹H-NMR (200 MHz, DMSO-*d*₆, δ / ppm): 0.85–0.94 (10H, *m*, CH₃(CH₂)₃OOC, C7), 1.05–1.20 (4H, *m*, CH₃CH₂(CH₂)₂OOC), 1.25–1.45 (8H, *m*, C5,6), 1.50–1.79 (18H, *m*, CH₂–Cy, C4, C5, 6 CH₃CH₂CH₂CH₂), 3.50 (2H, *br s*, CHOOC), 3.97–4.29 (8H, *m*, OOCCHNH, NHCH₂CH₂NH, 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; ¹H-NMR (500.26 MHz, DMSO-*d*₆, δ / ppm): 0.78–0.98 (6H, *dt*, $J_1 = 7.8$, $J_2 = 1.9$ Hz, CH₃CH₂CH₂CH₂OOC, 4H, *m*, C14), 1.00–1.20 (8H, *m*, C13), 1.24 (6H, *dd*, $J_1 = 8.2$, $J_2 = 2.0$ Hz, CH(CH₃)₂), 1.27–2.06 (4H, *m*, CH₃CH₂CH₂CH₂OOC, 4H, CH₃CH₂CH₂CH₂OOC, 4H, CH₂Cy, 2H, C11, 8H, C12, 3H, CH₃arene), 2.25 (4H, *m*, NHCH₂CH₂NH), 2.81 (1H, *sept*, CH(CH₃)₂), 3.65 and 4.07 (2H, *m*, OOCCHNH), 4.17 & 4.30 (4H, *m*, CH₃CH₂CH₂CH₂OOC), 5.06 (1H, *d*, $J = 8.5$ Hz, C4H_{arene}), 5.34 (1H, *d*, $J = 8.4$ Hz, C5H_{arene}), 5.80 (1H, *d*, $J = 7.5$ Hz, C4'H_{arene}), 6.06 (1H, *d*, $J = 7.6$ Hz, C5'H_{arene}), 6.80–6.85 (1H, *m*, NH), 7.02–7.06 (1H, *m*, NH).

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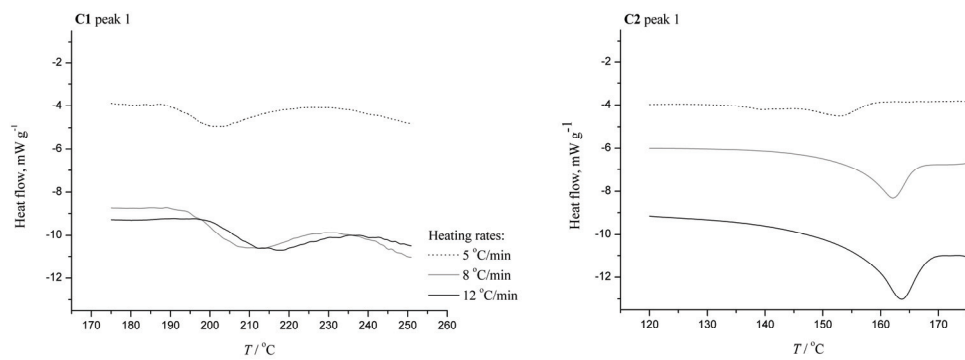


Fig. S-1. DSC curves obtained at different heating rates for the investigated complexes **C1** and **C2** and corresponding selected peaks used for kinetic calculation.