Electronic Supplementary Information for Dalton Transactions

Supporting Information

Substitution behaviour of amine-bridged dinuclear Pt(II) complexes with bio-relevant nucleophiles

Hakan Ertürk, Joachim Maigut, Ralph Puchta and Rudi van Eldik*

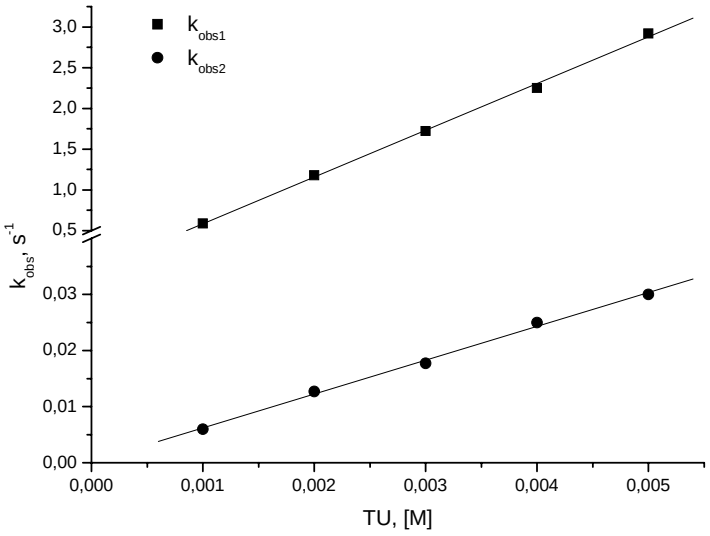

Figure S1a. Plots of k_{obs1} and k_{obs2} versus thiourea concentration for the reaction with the **heptane** bridged diaqua complex. I = 0.01 M (CF_3SO_3H), T = 25.0 °C, pH = 2.0.

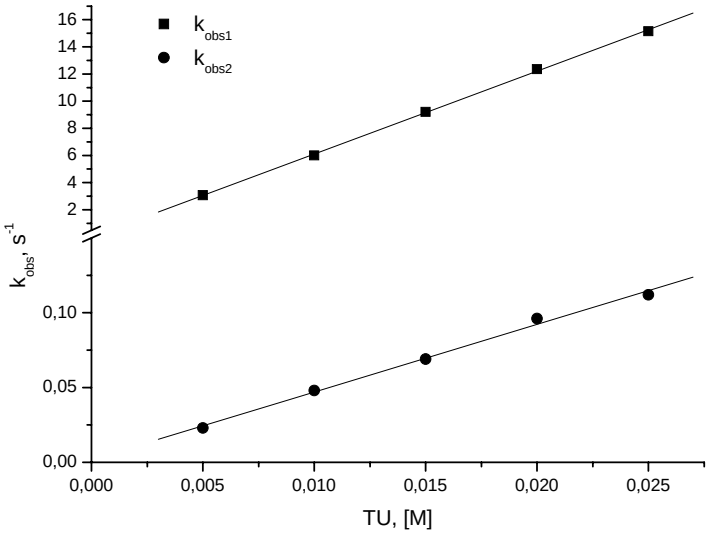

Figure S1b. Plots of k_{obs1} and k_{obs2} versus thiourea concentration for the reaction with the **decane** bridged diaqua complex. I = 0.01 M (CF_3SO_3H), T = 25.0 °C, pH = 2.0.

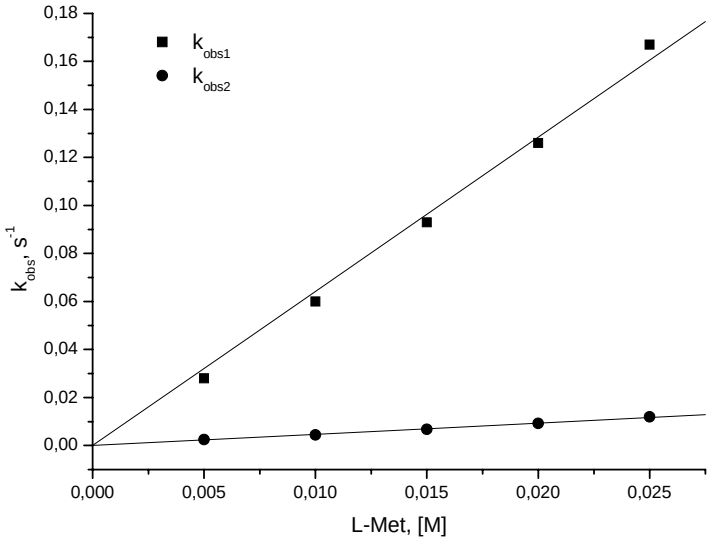

Figure S1c. Plots of k_{obs1} and k_{obs2} versus L-methionine concentration for the reaction with the **heptane** bridged diaqua complex. I = 0.01 M (CF_3SO_3H), T = 25.0 °C, pH = 2.0.

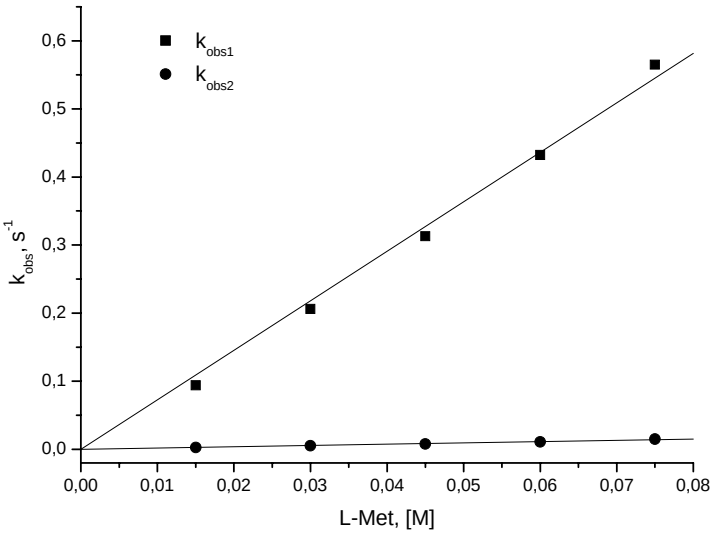

Figure S1d. Plots of k_{obs1} and k_{obs2} versus L-methionine concentration for the reaction with the **decane** bridged diaqua complex. I = 0.01 M (CF_3SO_3H), T = 25.0 °C, pH = 2.0.

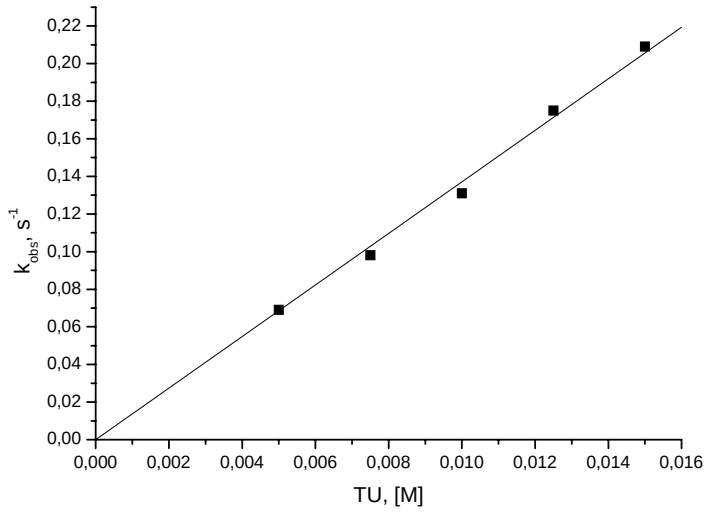

Figure S2a: Plot of k_{obs} versus thiourea concentration for the **pentane** bridged dichloro complex. I = 0. 1 M (NaCl), 2.5 mM Hepes, T = 37.5 °C, pH = 7.4.

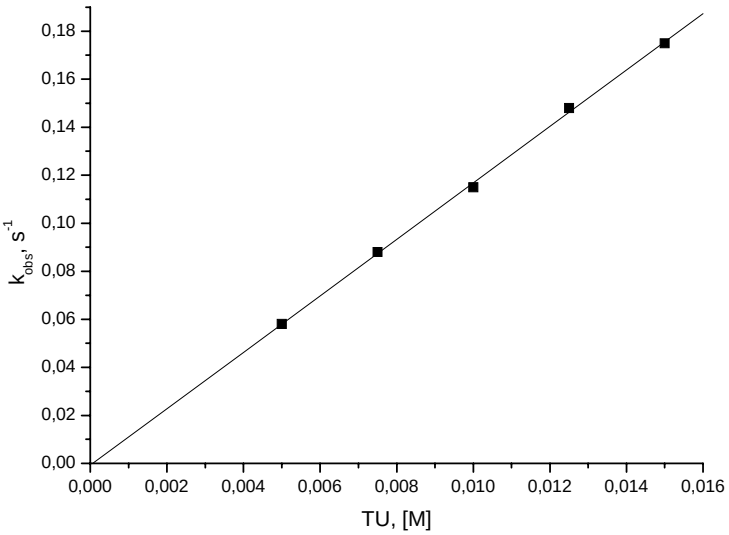

Figure S2b. Plot of k_{obs} versus thiourea concentration for the **heptane** bridged dichlorocomplex. I = 0. 1 M (NaCl), 2.5 mM Hepes, T = 37.5 °C, pH = 7.4.

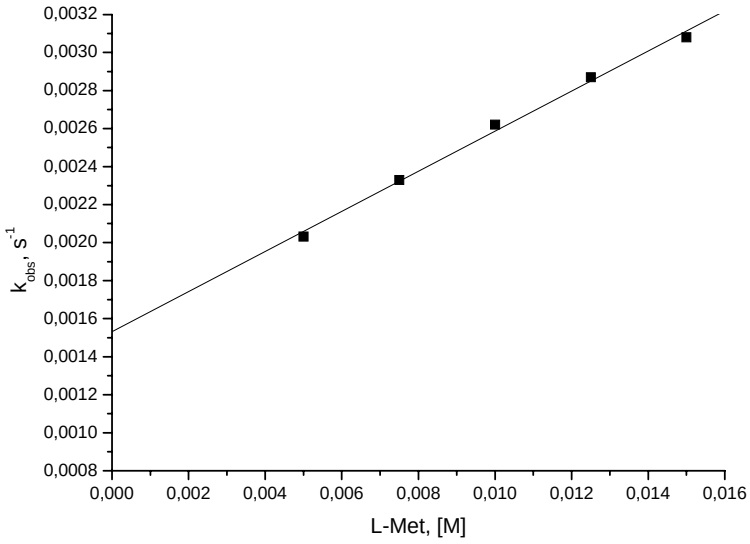

Figure S2c. Plot of k_{obs} versus L-methionine concentration for the **pentane** bridged dichloro complex. I = 0. 1 M (NaCl), 2.5 mM Hepes, T = 37.5 °C, pH = 7.4.

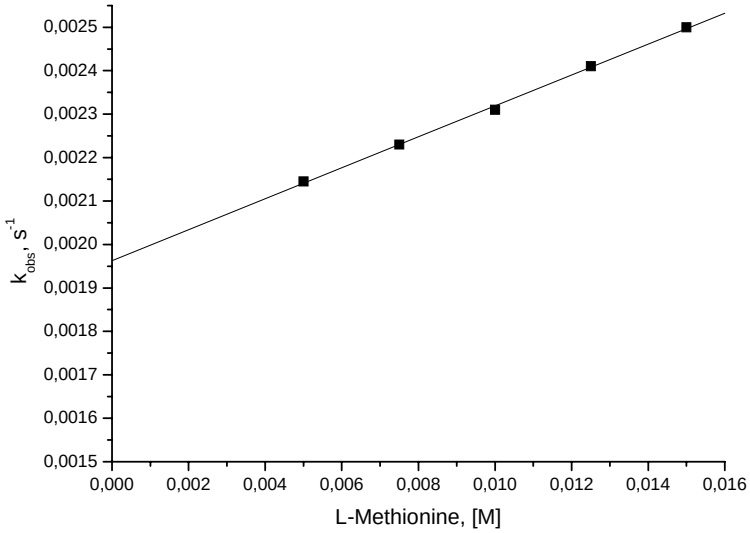

Figure S2d. Plot of k_{obs} versus L-methionine concentration for the **heptane** bridged dichloro complex. I = 0. 1 M (NaCl), 2.5 mM Hepes, T = 37.5 °C, pH = 7.4.

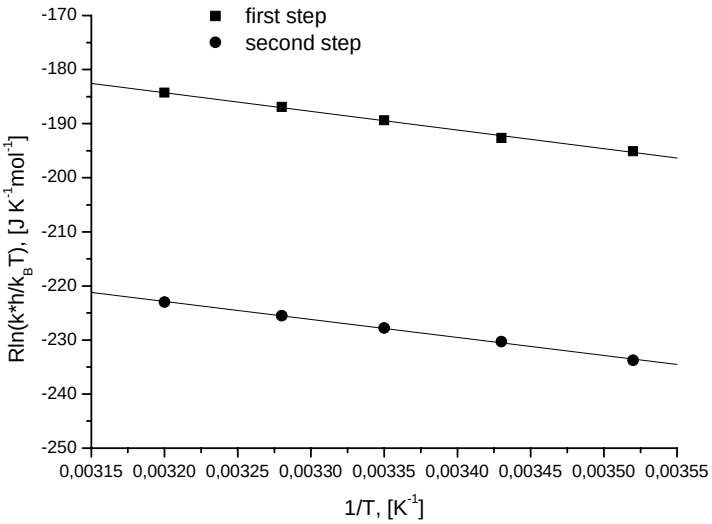

Figure S3a. Eyring plots for the determination of the activation parameters for the reaction of the **pentane** bridged diaqua complex with thiourea based on second order rate constants. I = 0.01 M (CF_3SO_3H), pH = 2.0.

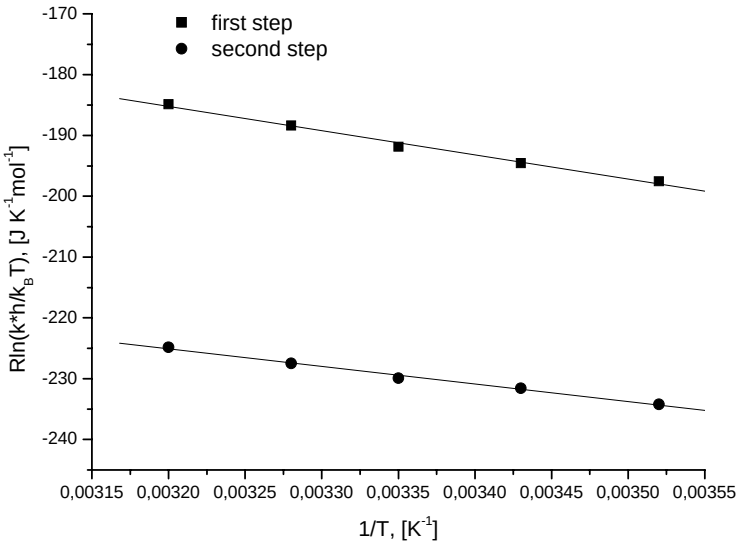

Figure S3b. Eyring plots for the determination of the activation parameters for the reaction of the **heptane** bridged diaqua complex with thiourea based on second order rate constants. I = 0.01 M (CF_3SO_3H), pH = 2.0.

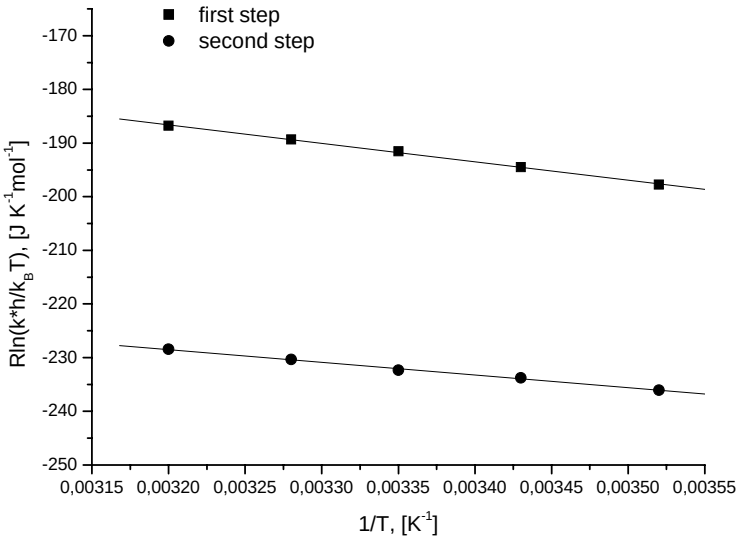

Figure S3c. Eyring plots for the determination of the activation parameters for the reaction of the **decane** bridged diaqua complex with thiourea based on second order rate constants. I = 0.01 M (CF_3SO_3H), pH = 2.

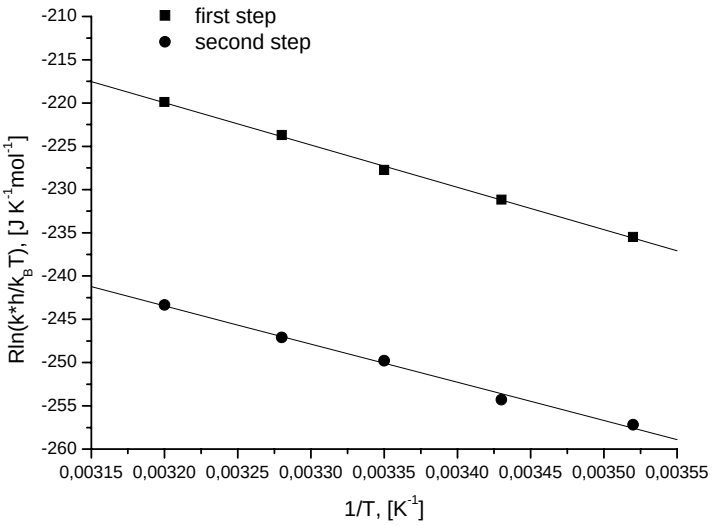

Figure S3d. Eyring plots for the determination of the activation parameters for the reaction of the **pentane** bridged diaqua complex with L-methionine based on second order rate constants. I = 0.01 M (CF_3SO_3H), pH = 2.0.

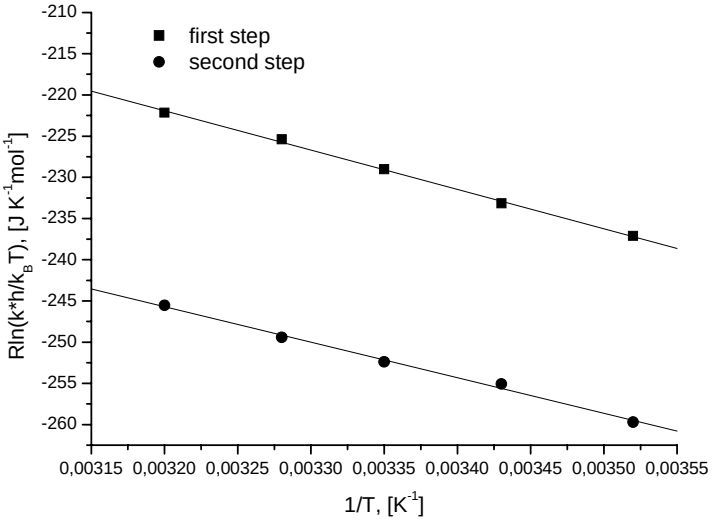

Figure S3e. Eyring plots for the determination of the activation parameters for the reaction of the **heptane** bridged diaqua complex with L-methionine based on second order rate constants. I = 0.01 M (CF_3SO_3H), pH = 2.0.

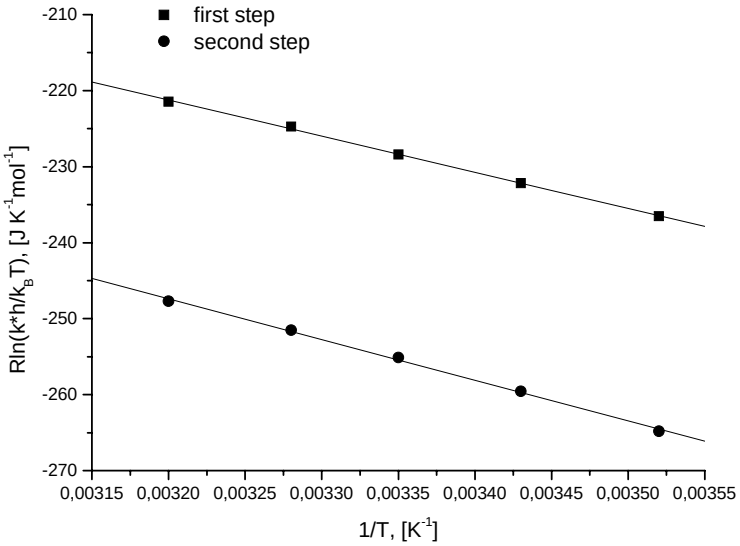

Figure S3f. Eyring plots for the determination of the activation parameters for the reaction of the **decane** bridged diaqua complex with L-methionine based on second order rate constants. I = 0.01 M (CF_3SO_3H), pH = 2.0.