Electronic Supplementary Information

Interaction with DNA models of the oxaliplatin analog (*cis*-1,3-DACH)$PtCl_2$.

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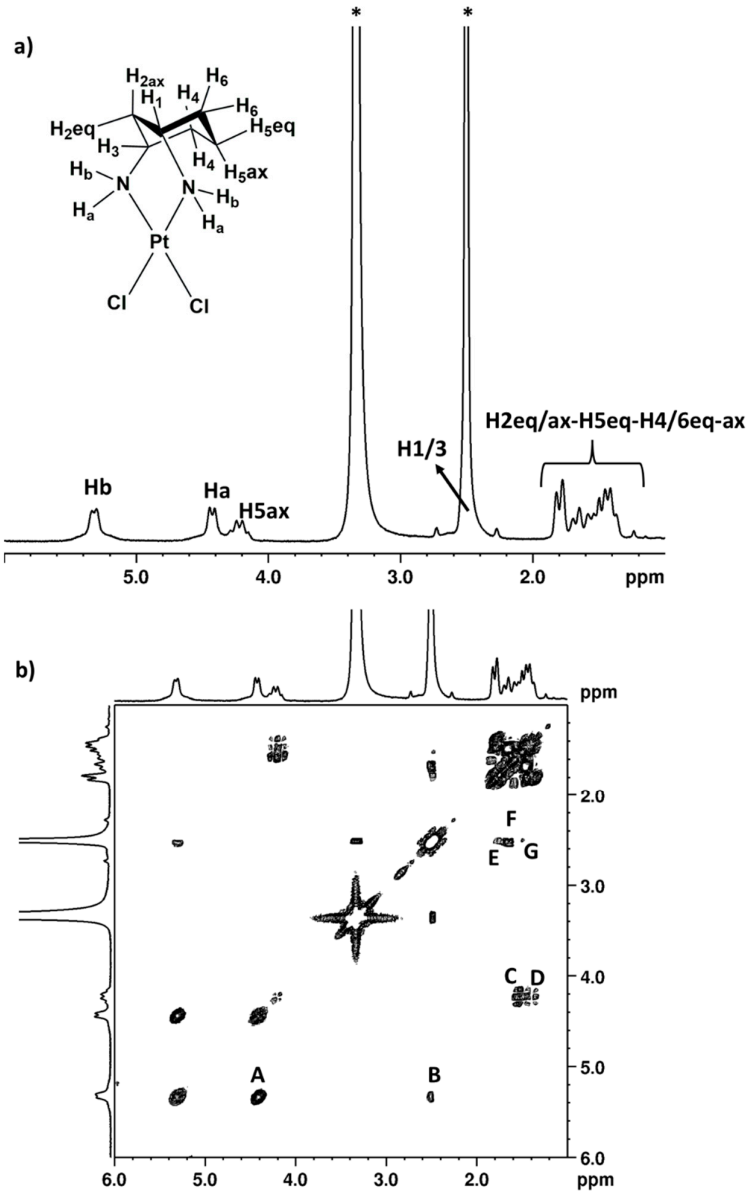

Figure S1. (**a**) ^{1}H NMR and (**b**) 2D COSY spectra of [$PtCl_2$(*cis*-1,3-DACH)] in DMSO-d_6.

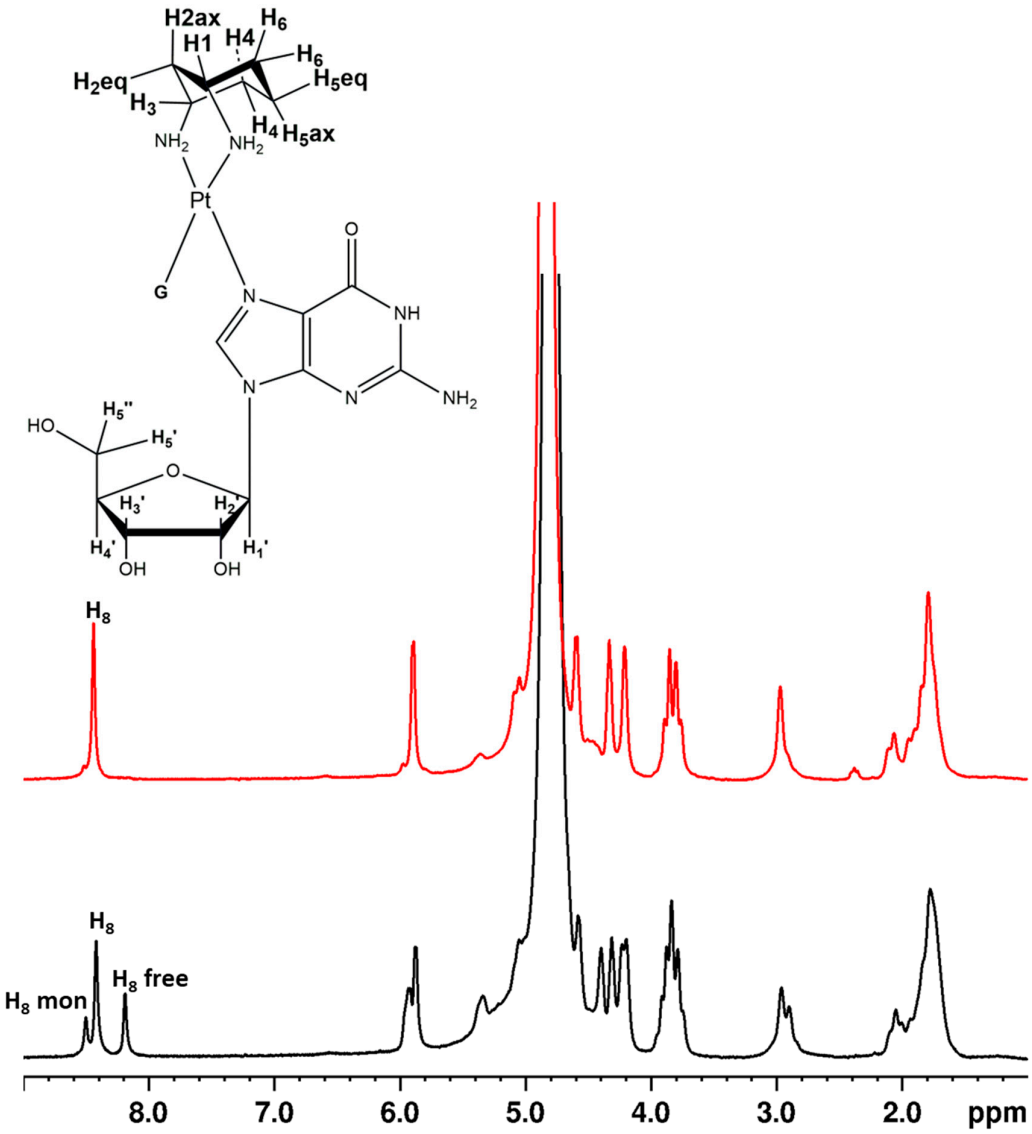

Figure S2. Monitoring of the reaction between [Pt(OSO_3)(OH_2)(*cis*-1,3-DACH)] and Guanosine in D_2O, pH* 3.00. ^{1}H-NMR spectrum registered after 2h (black) and after three days (red) at 37 °C. The signals belong to the H8 of different species are indicated as: H8free for unreacted G, H8mon for the mono-adduct, and H8 for the bis-adduct.

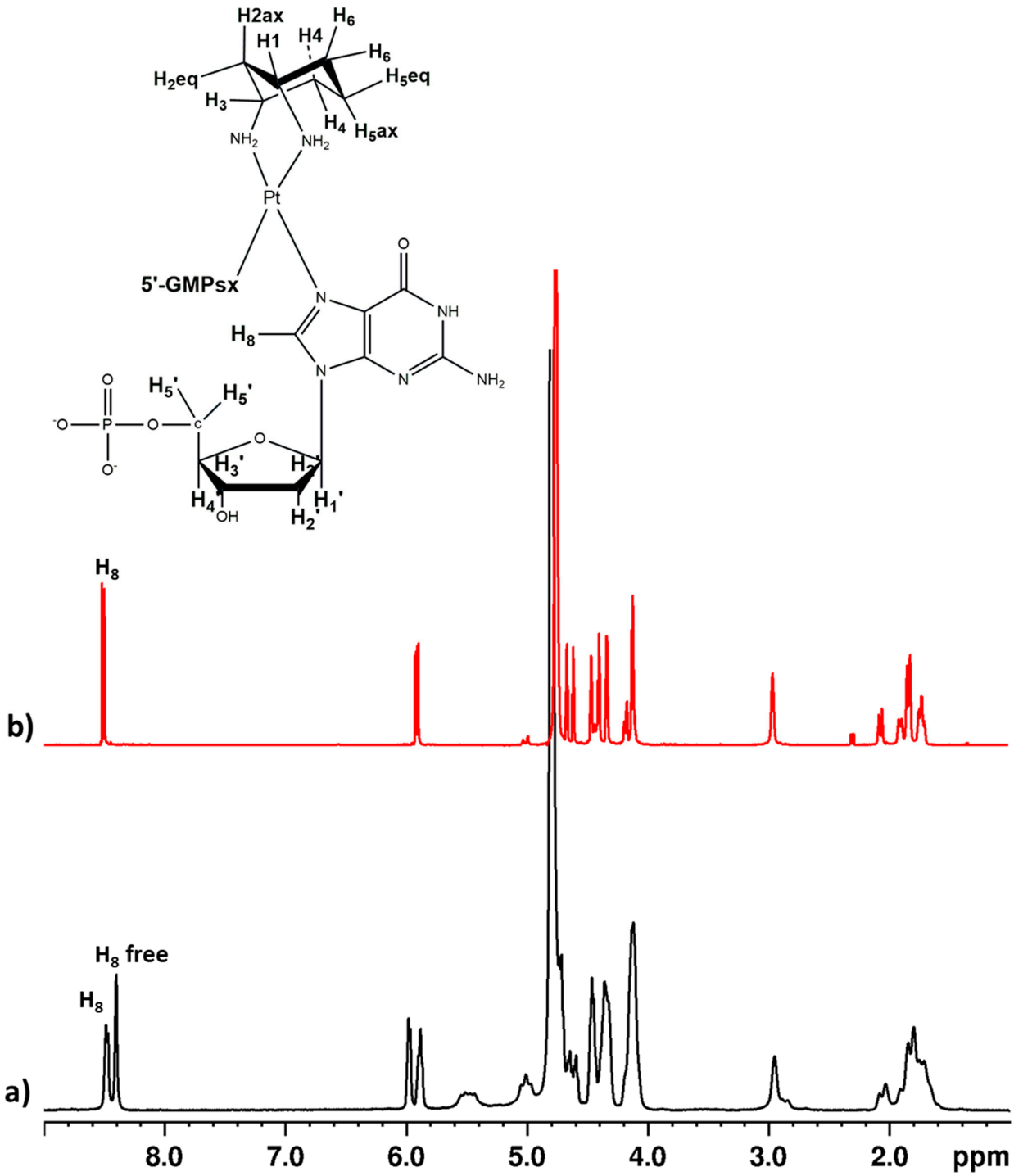

Figure S3. Monitoring of the reaction between [$PtCl_2$(*cis*-1,3-DACH)] and 5'GMP in D_2O, pH* 3.00. ^{1}H-NMR spectrum recorded after 24h (black, a)) and after six days (red, b)) at 37 °C. The signals belonging to the H8 of different species are indicated as: H8free for unreacted 5'GMP, H8 for the two 5'-GMP of the bis-adduct.

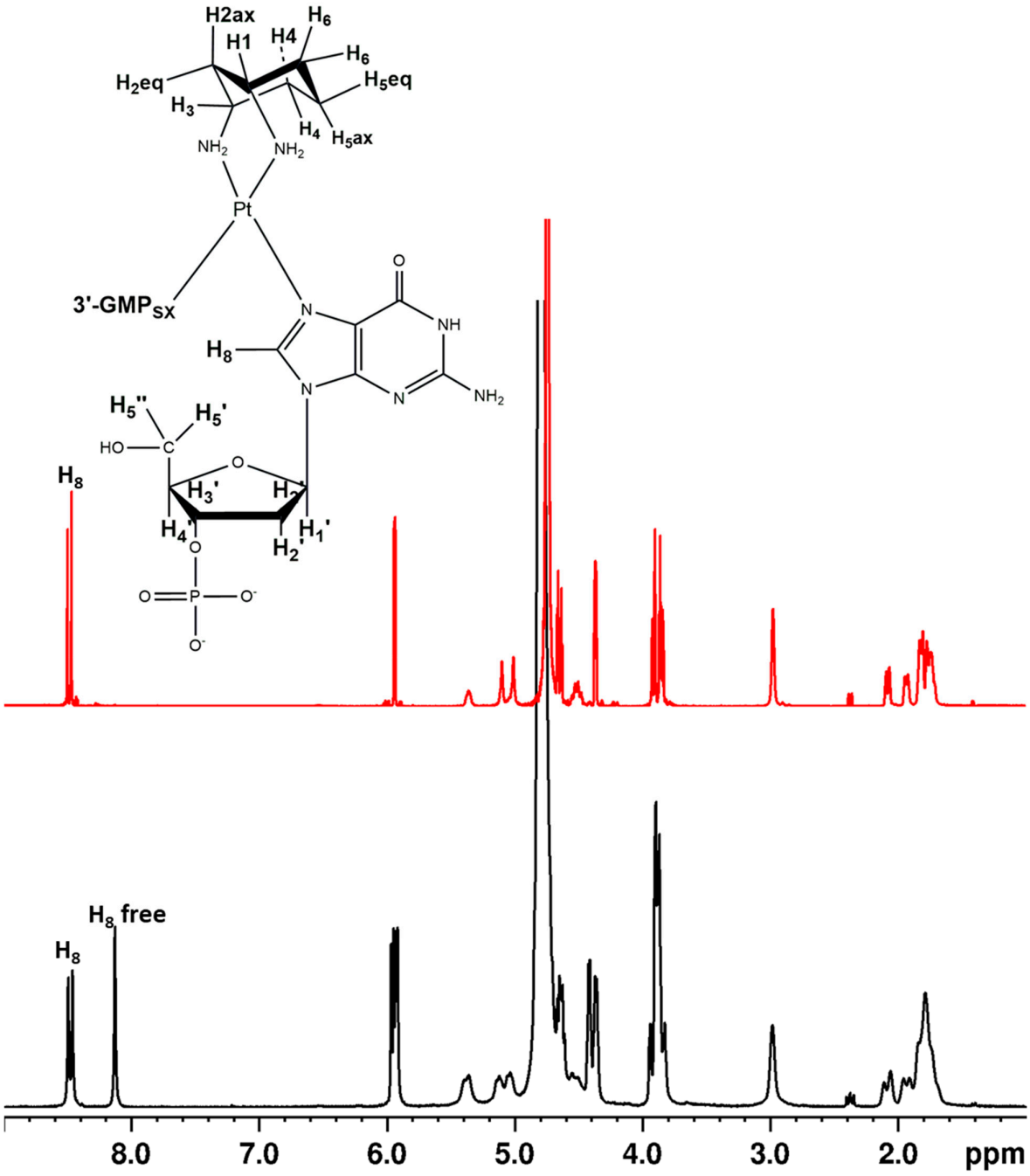

Figure S4: Monitoring of the reaction between [$PtCl_2$(*cis*-1,3-DACH)] and 3'GMP in D_2O, pH* 3.00. ^{1}H-NMR spectrum detected after 48h (black) and 13 days (red) at 37 °C. The signals belonging to the H8 of different species are indicated as: H8free for unreacted 3'GMP, H8 for the bis-adduct.

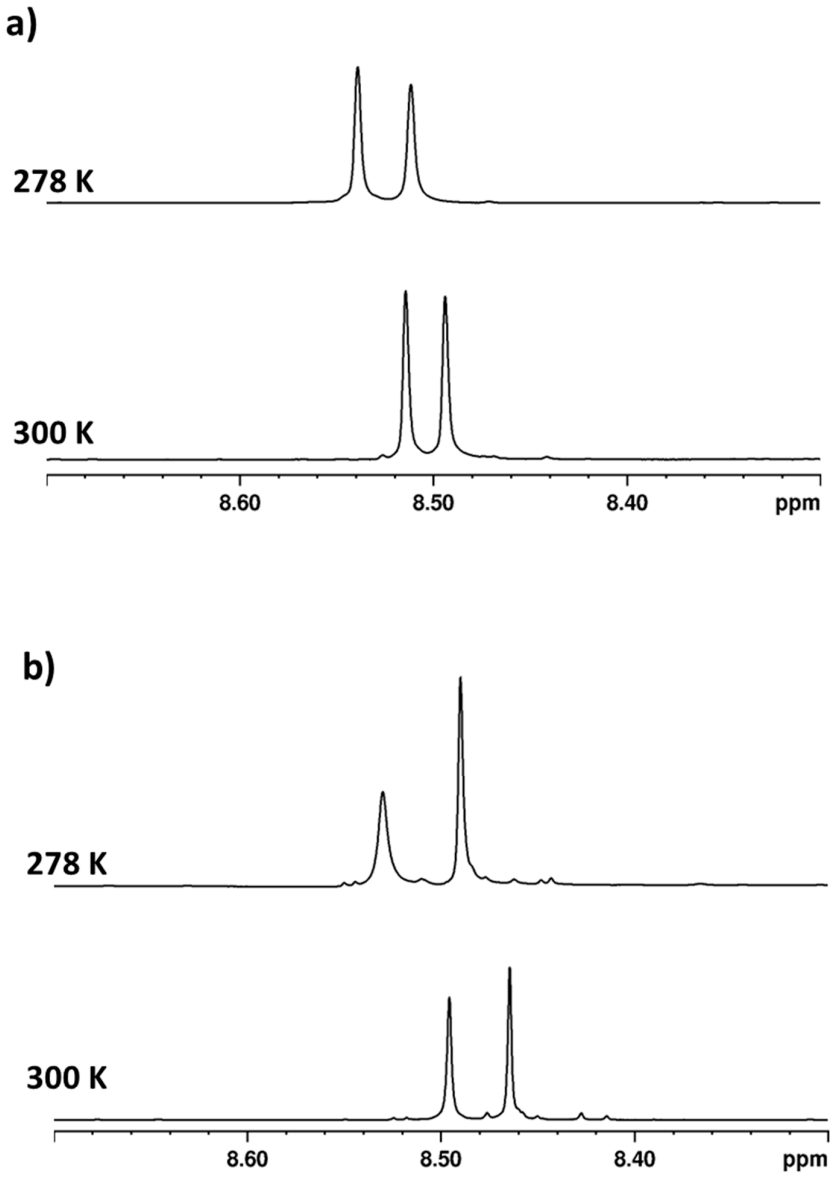

Figure S5: ^{1}H NMR spectra in the region of H8 resonances for the bis-adducts (*cis*-1,3-DACH)Pt(5'GMP)$_2$ (**a**) and (*cis*-1,3-DACH)Pt(3'GMP)$_2$ (**b**). Solvent D_2O/CD_3OD (2:1, v/v), pH* 5.83, temperatures 300 and 278 K.