Supplementary Materials

Figure S1. FTIR spectra of maghemite nanoparticles (black line), 4-aminobenzoic acid (PABA; dark yellow line) and maghemite nanoparticles coated with 4-aminobenzoic acid (PABA@FeNPs; red line).



Figure S2. The thermogravimetry (TG) results obtained for the PABA@FeNPs (red line) and **2***@PABA@FeNPs (green line) and their comparison with uncoated maghemite nanoparticles (FeNPs; black line), supplemented by the DTA results of PABA@FeNPs (dashed red line).



Figure S3. The far-FTIR spectra of PABA@FeNPs (red line), the complexes **2** (blue line) and **2*** (dark yellow line), and **2***@PABA@FeNPs (green line) given together with assignment of the v(Fe–O), v(Pt–Cl), v(Pt–O), v(Pt–N_{aza}) and ring deformation vibrations, which indirectly show on the covalent bonding between the platinum(II) species and amino groups of PABA molecules of PABA@FeNPs.

