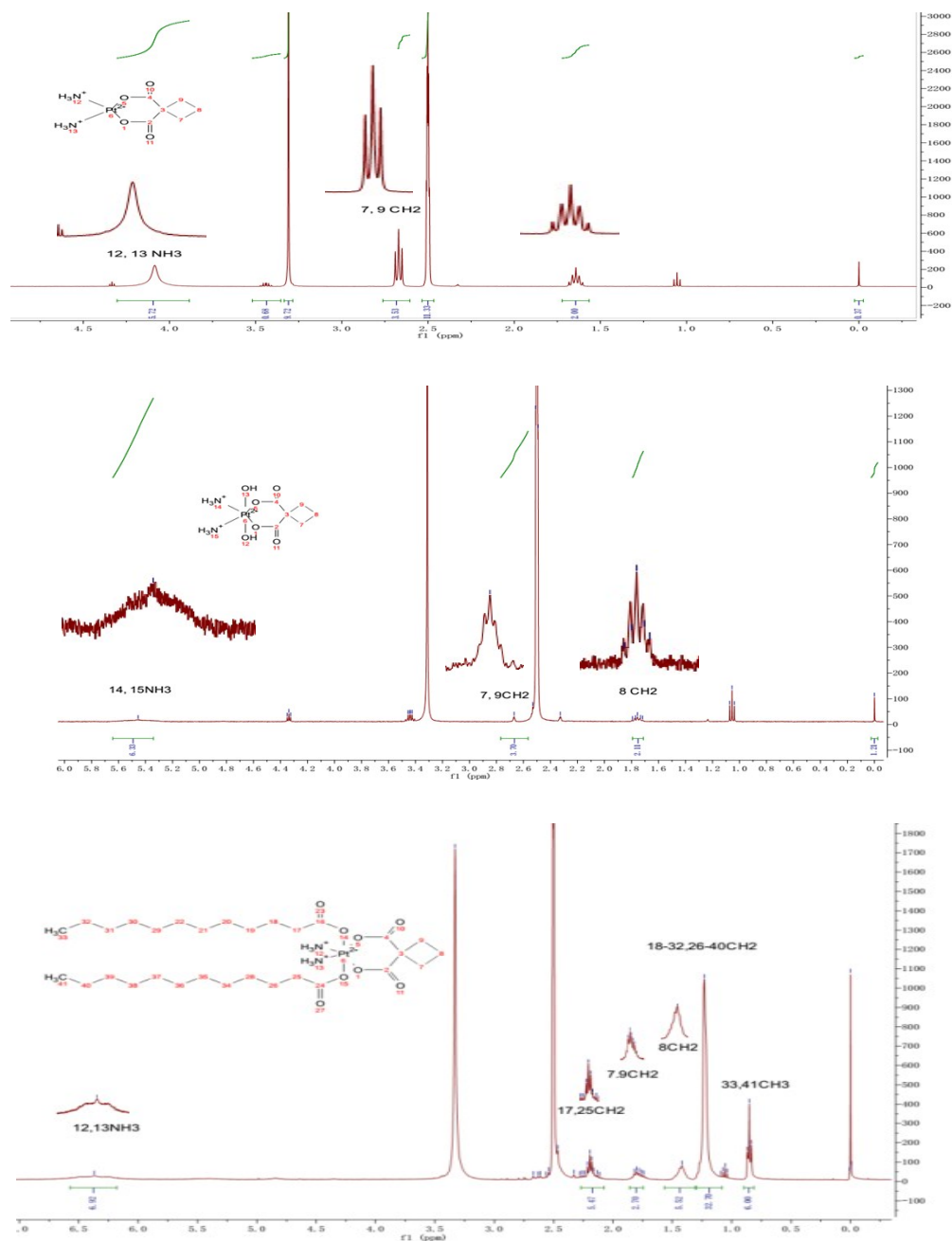
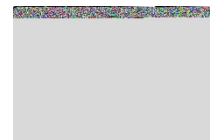


Supplementary information

A





B

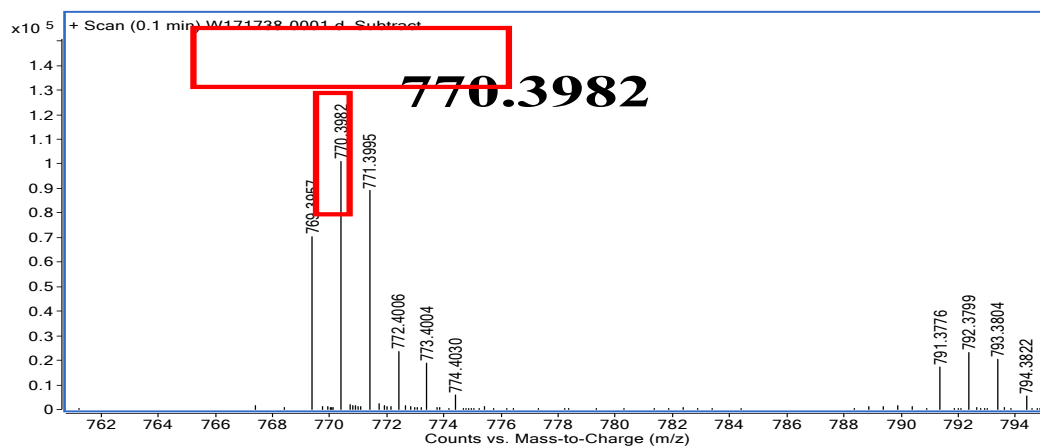
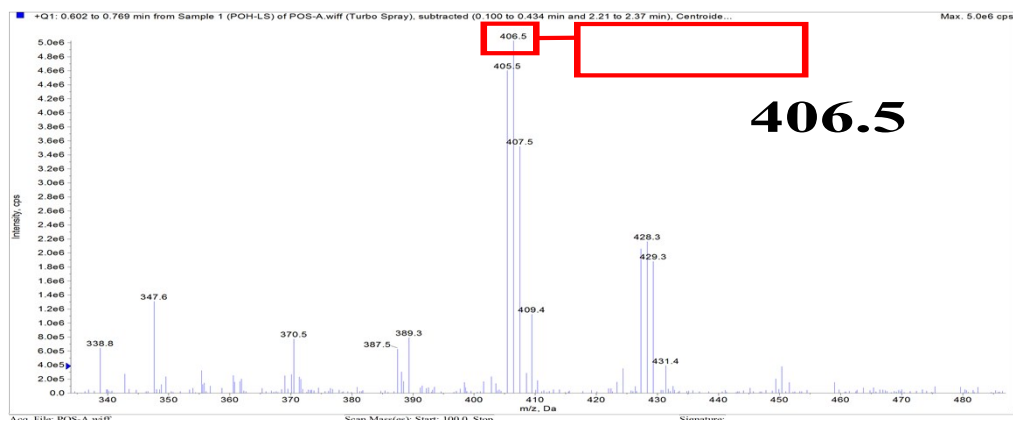


Figure S1. Chemical characterization of CBP-LA (A) ^1H -NMR spectra of CBP, CBP-OH and CBP-LA (B) MS spectra of CBP-OH and HRMS spectra of CBP-LA.

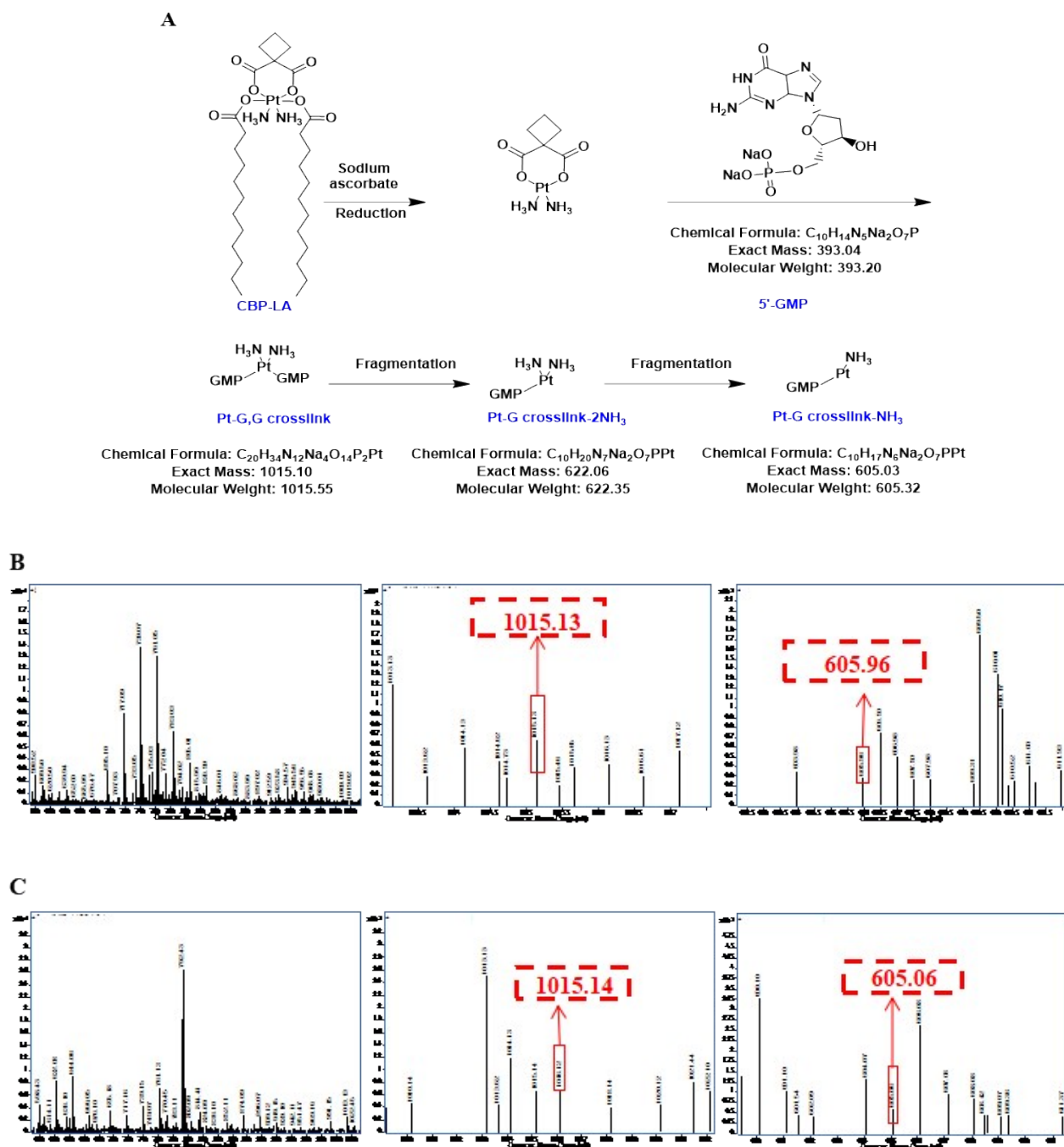


Figure S2. Pt-DNA adduct assay (A) Possible reaction product of 5'-GMP with CBP-LA(IV) in the presence of NaSC and (B) HRMS spectra of CBP in the presence of 5'-GMP (C) HRMS spectra of CBP-LA conjugates in the presence of 5'-GMP and sodium ascorbate after incubation for 24 h.

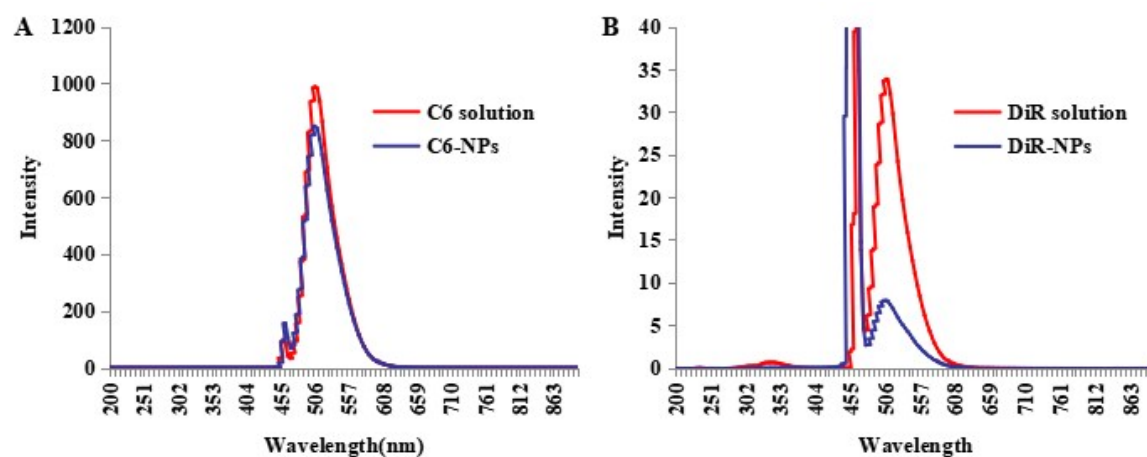
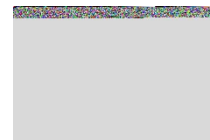


Figure S3. Fluorescence spectrum of C6-solution, C6-NPs, DiR-solution and DiR-NPs.

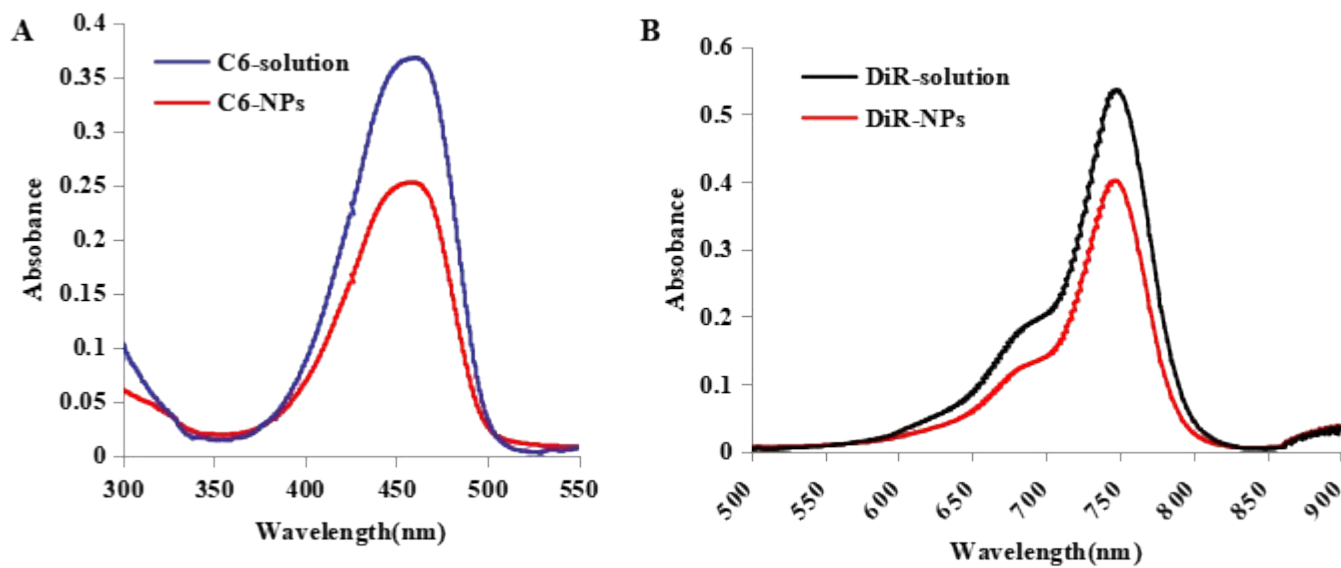


Figure S4. UV-vis spectrum of C6-solution, C6-NPs, DiR-solution and DiR-NPs.