Supporting Information
for

Design and Investigation of Photoactivatable Platinum(IV) Prodrug Complexes of Cisplatin

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Figure S1. ESI-MS spectra (-ve mode) of the aqueous solution of the precipitate formed after photoreduction of 5 (in acetone).
Figure S2. $^{195}\text{Pt}^\{^1\text{H}\}$ NMR of A) 5 (acetone-$d_6$) before UV irradiation; B) precipitate formed after UV irradiation on 5 (D$_2$O); C) cisplatin (D$_2$O). Selected regions of $^{195}\text{Pt}^\{^1\text{H}\}$ NMR spectra are shown.

Figure S3. Time-course $^1\text{H}$ NMR experiment on 6 after 0, 2, 4, 8, 14, 20, 30 min of UV irradiation at 365 nm.
Figure S4. Comparing residual peak areas on RP-HPLC chromatograms of 5 and 6 dissolved in DMSO following UV irradiation at 365 nm.

Figure S5. ESI-MS (-ve mode) analysis for complex 7 after exposure to UV radiation for 2 h.
**Figure S6.** HPLC chromatograms showing the formation of nitrone 5a after 0, 2, 4, 8, 14, 20, 30 min UV irradiation at 365 nm.
Figure S7. Characterisation of nitron 5a. (A) $^1$H NMR (DMSO- $d_6$); (B) ESI-MS analysis (+ve mode).
Figure S8. Characterisation of nitrone 6a. (A) $^1$H NMR (DMSO-$d_6$); (B) ESI-MS analysis (+ve mode).
Figure S9. HPLC chromatograms showing the formation of nitrone 6a after 0, 1, 2, 4, 10, 20, 30 min of UV irradiation at 365 nm.
Figure S10. ESI-MS analysis (+ve mode) of isolated HPLC fraction at $R_t=6.1$ min; a) full scan mode (background contaminants indicated by *); b) zoom scan centred on m/z 612; c) simulated isotopic pattern for $[\text{Pt(NH}_3\text{)}_2(\text{dGMP})\text{Cl}]^+$. 
Figure S11. ESI-MS analysis (+ve mode) of isolated HPLC fraction at R_t=10.9 min; a) full scan mode (background contaminants indicated by *); b) zoom scan centred on m/z 922; c) simulated isotopic pattern for [Pt(NH$_3$)$_2$(dGMP)$_2$-H]$^+$. 