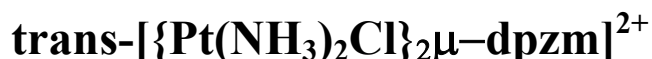


DNA binding of the anti-cancer platinum complex



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Supplementary Information

Figure S1 The ¹⁹⁵Pt NMR spectrum of (A) di-Pt and (B) di-Pt after 24 h reaction with guanosine.

Figure S2 The ¹H NMR spectrum of (A) di-Pt and adenosine after 1 week at 60 °C and (B) one spectrum in a T1 experiment from which AH2 assignments were made. Free adenosine aromatic proton resonances are observed at 8.34 and 8.28 ppm.

Figure S3 The ¹⁹⁵Pt NMR spectrum of di-Pt after reaction with adenosine for 1 week showing the two different PtN₄ species formed.

Figure S4 The ¹H NOESY spectrum showing the aromatic H8/H6 to sugar H2'/H2'' region of the oligonucleotide d(ATG*CAT)₂ bound by di-Pt. Of note is the lack of sequential NOEs between T₂ and G₃ and C₄ and A₅. The strongest sequential NOE is seen between the G₃ and C₄ bases.