Supporting information

Table S1. Mean values of geometric parameters around the Pt center in the selected platinum complexes: bond lengths (in Å) and angles (in degrees).

refcode	Pt-Cl	Pt-N	Cl-Pt-N	Cl-Pt-Cl	N-Pt-N
MONVIW	2.298	2.064	87.3	180	180
RIWCEG	2.305	2.005	89.1	178.2	176.5
VOHBAW	2.303	2.024	83.8	180	180
BERDAE	2.306	2.031	92.6	92.1	82.7
BERDEI	2.318	2.021	91.0	93.5	84.4
CCENPT01	2.319	2.033	91.7	93.2	83.1
DIVXOV	2.307	2.025	91.7	92.8	83.8
FITFUJ	2.308	2.025	92.1	92.7	83.0
LAYZEQ	2.312	2.032	86.8	92.6	90.2
LEFFAD	2.301	2.039	91.3	92.0	83.2
LIXTOB	2.315	2.043	88.1	93.8	90.0
PEXTIV	2.325	2.031	90.8	94.8	83.6
PIFGIU	2.307	2.051	87.3	93.0	92.8
SUDMIN02	2.323	2.085	88.2	92.5	90.0
TAJTED	2.316	2.034	91.9	93.7	82.6
TUPQIE	2.312	2.051	92.9	90.8	83.8
UCIZUC	2.329	2.040	86.9	93.0	93.0
YIDVUD	2.299	2.049	88.9	91.3	91.3

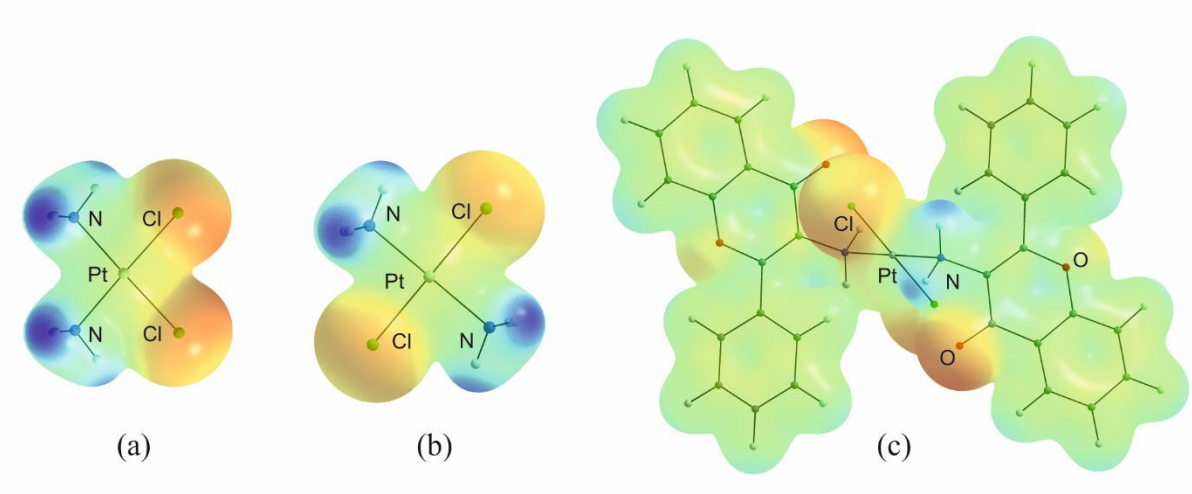

Figure S1. Molecular electrostatic potential maps with the colored scale corresponding to values ranging from −0.10 (red) to +0.20 au (blue) mapped onto the 0.01 au isosurface of electron density: cisplatin (**a**), transplatin (**b**) and ***trans*-Pt(3-af)$_2$Cl$_2$** (**c**) calculated at the B3LYP/def2-TZVPP level.