# Supporting Information: The impact of whole human blood on the kinetic inertness of platinum(IV) prodrugs – an HPLC-ICP-MS study

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**Table S1.** ICP-MS operation parameters for direct infusion ICP-MS and RP-ICP-MS analysis.

| | **Direct infusion ICP-MS** | **RP-ICP-MS** |
|---|---|---|
| ICP-MS system | Agilent 7500ce ICP-MS | Agilent 8800 ICP-MS/MS |
| Cone material | Nickel | Platinum |
| RF power [W] | 1550 | 1550 |
| Plasma Ar gas flow rate [L $min^{-1}$] | 15 | 15 |
| Auxiliary Ar gas flow rate [L $min^{-1}$] | 0.90 | 0.90 |
| Carrier Ar gas flow rate [L $min^{-1}$] | 1.05 | 0.70 |
| Option $O_2$ gas flow rate [L $min^{-1}$] | - | 0.20 |
| Measured isotopes | $^{195}Pt$ and $^{185}Re$ | $^{195}Pt$ |
| Integration time [s] | 0.3 and 0.1 | 0.1 |
| number of replicates | 10 | - |

**Table S2.** Chromatograpic conditions for RP-ICP-MS analysis.

| | |
|---|---|
| Eluent flow rate [µL $min^{-1}$] | 250 |
| Injection volume [µL] | 5 |
| Gradient elution: | |
| Eluent: | |
| A | $H_2O$ with 0.1 % (v/v) HCOOH |
| B | MeOH with 0.1 % (v/v) HCOOH |
| Gradient program: | |
| Time: | |
| 0.0 min | 100% A; 0% B |
| 2.5 min | 100% A; 0% B |
| 10.5 min | 10% A; 90% B |
| 14.5 min | 10% A; 90% B |
| 14.6 min | 100% A; 0% B |
| 22.5 min | 100% A; 0% B |