SUPPLEMENTAL DATA

Expression of organic anion transporter 1 or 3 in human kidney proximal tubule cells reduces cisplatin sensitivity

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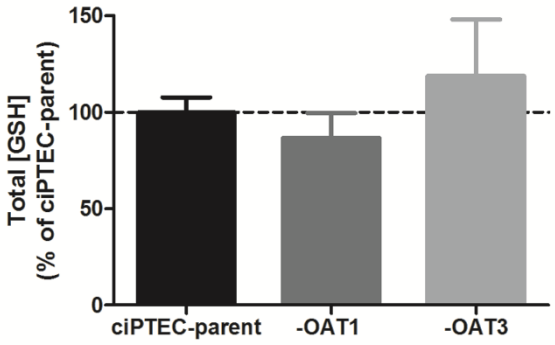
DRUG METABOLISM AND DISPOSITION

Supplemental Figure 1



Supplemental Figure 1: Glutathione content is similar in ciPTEC-parent, ciPTEC-OAT1 and ciPTEC-OAT3. Evaluation of whole-cell total glutathione content in ciPTEC-parent, ciPTEC-OAT1 and ciPTEC-OAT3. Results are normalized to ciPTEC-parent (mean±S.E.M., n=3; no significant differences were found by one-way ANOVA).

Supplemental Table 1: Gene expression of OCT2 and MATE1/2-k is differentially regulated between ciPTEC-parent, ciPTEC-OAT1 and ciPTEC-OAT3. C_t values of OCT2, MATE1 and MATE2-k derived from RT-qPCR assays following SFM exposure for 24 h are within the quantifiable range and are differentially regulated between ciPTEC-parent, ciPTEC-OAT1 and ciPTEC-OAT3 (mean C_t±S.E.M., n=3).

	ciPTEC-parent	ciPTEC-OAT1	ciPTEC-OAT3
GAPDH	17.7 ± 0.1	17.9 ± 0.1	17.3 ± 0.1
OCT2 (*SLC22A2*)	33.6 ± 0.2	35.0 ± 0.4	34.8 ± 0.2
MATE1 (*SLC47A1*)	28.4 ± 0.3	24.6 ± 0.1	25.5 ± 0.1
MATE2-k (*SLC47A2*)	31.9 ± 0.3	30.1 ± 0.3	32.5 ± 0.3

Supplemental Table 2: Gene expression of MRP2 is not differentially regulated between ciPTEC-parent, ciPTEC-OAT1 and ciPTEC-OAT3. C_t values (A.U.) of MRP2 derived from RT-qPCR assays following SFM exposure for 24 h are not differentially regulated between ciPTEC-parent, ciPTEC-OAT1 and ciPTEC-OAT3 (mean C_t±S.E.M., n=3).

	ciPTEC-parent	ciPTEC-OAT1	ciPTEC-OAT3
GAPDH	18.0 ± 0.2	18.2 ± 0.5	16.8 ± 0.4
MRP2 (*ABCC2*)	33.1 ± 0.6	33.2 ± 0.6	31.6 ± 0.3