

## Supplementary information

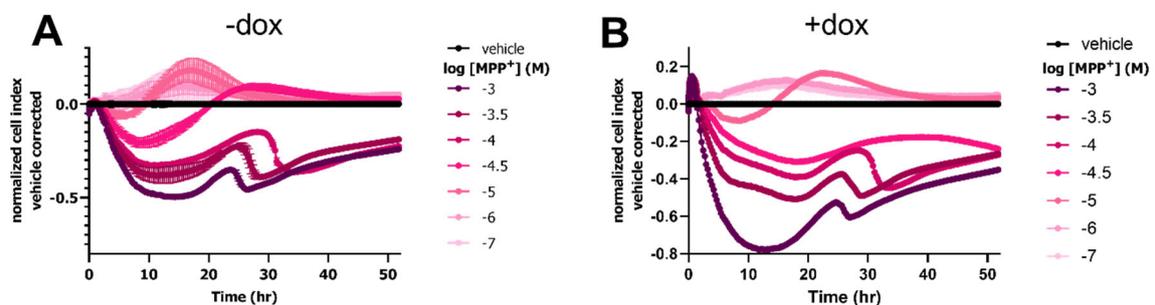
### MPP<sup>+</sup>-induced changes in cellular impedance as a measure for Organic Cation Transporter (SLC22A1-3) activity and inhibition

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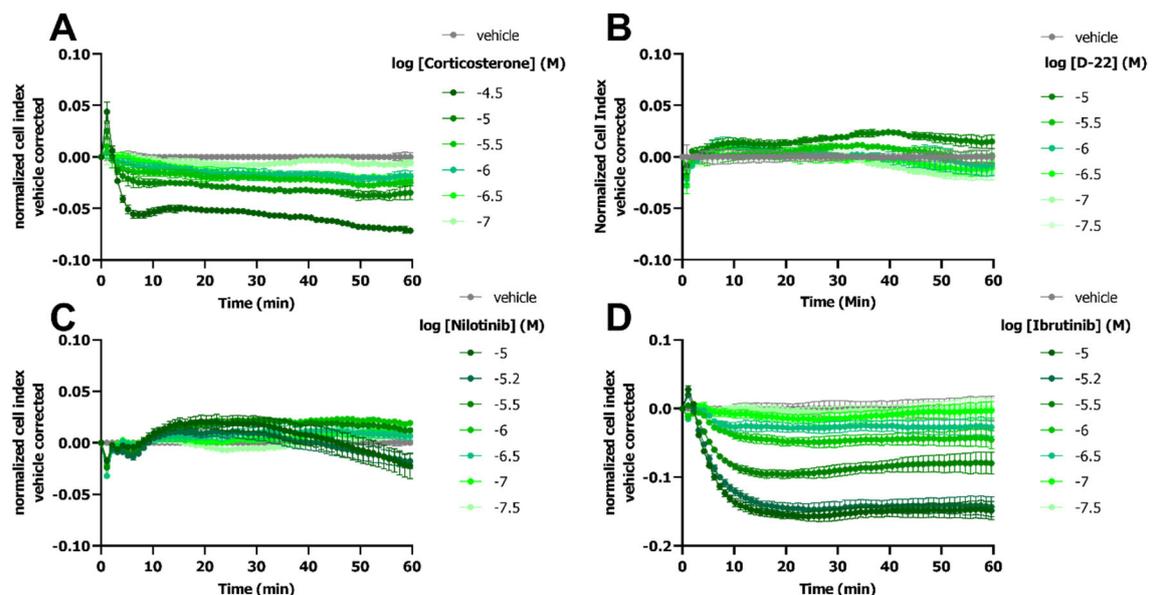
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**Figure S1.** Vehicle-corrected MPP<sup>+</sup> response on HEK293-JI-OCT3 cells. Representative vehicle-corrected time-traces of MPP<sup>+</sup> response in absence (A) and presence (B) of dox-induced OCT3 expression as measured by the RTCA xCELLigence system for 52 hr. Data shown as mean  $\pm$  SD of a representative experiment of at least 3 experiments performed in duplicate.



**Figure S2.** Inhibitor-induced cellular response in HEK293-JumpIn-OCT3 cells. Representative vehicle-corrected time traces of cells pretreated with increasing concentrations of Corticosterone (A), Decynium-22 (D-22) (B), Nilotinib (C) or Ibrutinib (D). Data shown as mean  $\pm$  SD of a representative experiment of at least 3 experiments performed in duplicate.