Supplemental Data: Cancer-type organic anion transporting polypeptide 1B3 (Ct-OATP1B3) is localized in lysosomes and mediates resistance against kinase inhibitors

Authors: Bastian Haberkorn, Stefan Oswald, Niklas Kehl, Arne Gessner, R. Verena Taudte, Jan Philipp Dobert, Friederike Zunke, Martin F. Fromm and Jörg König

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Figure S1 Quantification of stained intracellular vesicles

Cells were incubated with 1 µM OG and a 1:1 000 dilution of SPY555-DNA. Afterwards, the cells were analyzed via Live-cell imaging. We acquired images of five z-stacks per cell line every five minutes for 30 min (n=5). After the time exposure the stained organelles (A) were quantified with a software-based approach (B) and normalized to the number of slides and the number of nuclei (C). (D) Comparison of the number of stained organelles in the analyzed images of HEK-VC vs. HEK-Kz-Ct-OATP1B3 cells. ** p < 0.01 Kz-Ct-OATP1B3 vs. VC, * p < 0.05 Kz-Ct-OATP1B3 vs. VC
Figure S2 Cellular uptake of encorafenib

Intracellular accumulation of (A) 10 µM encorafenib and (B) 50 µM encorafenib. The area of the encorafenib peak was divided by the area of the internal standard peak and normalized to the protein. The cellular BSP uptake experiments (C) were performed on the same day as the encorafenib uptakes and served as control of the HEK-Lt-OATP1B3 transfectants. The experiments have been performed twice with n = 3 (n = 6) and the data are given as mean with 95 % CI. *** p < 0.001 Lt-OATP1B3 vs. VC, Kz-Ct-OATP1B3.