Supplementary information

Investigation of etravirine uptake and distribution in single aortic endothelial cells *in vitro* means by Raman imaging

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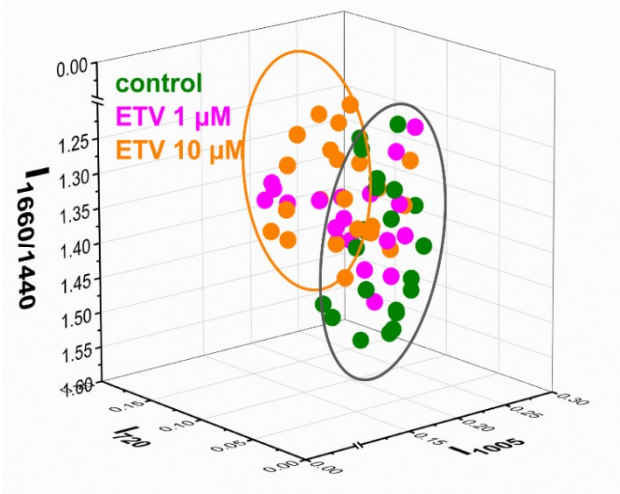

Fig. S1. Representation of diversity in biochemical information of perinuclear area, between control, and ETV-treated cells with 1 and 10 µM, based on integral intensity analysis, for Raman bands: 720, 1005 and ratio 1660/1440 cm^{-1}.

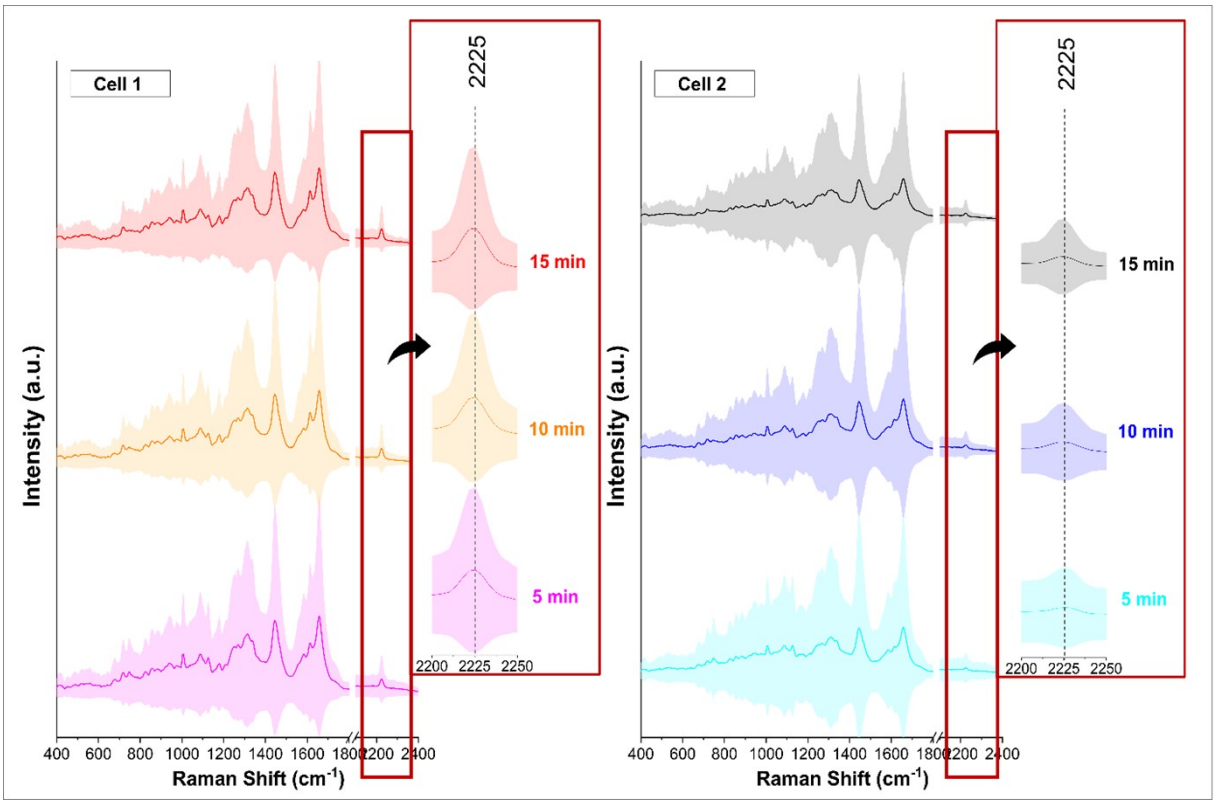

Fig. S2. The variability of Raman spectra from the perinuclear area of living cells presented in Fig. 3C. KMC spectra are presented together with the standard deviation (SD) of spectra averaged within perinuclear KMC group. SD is presented as a shadow on the spectra.

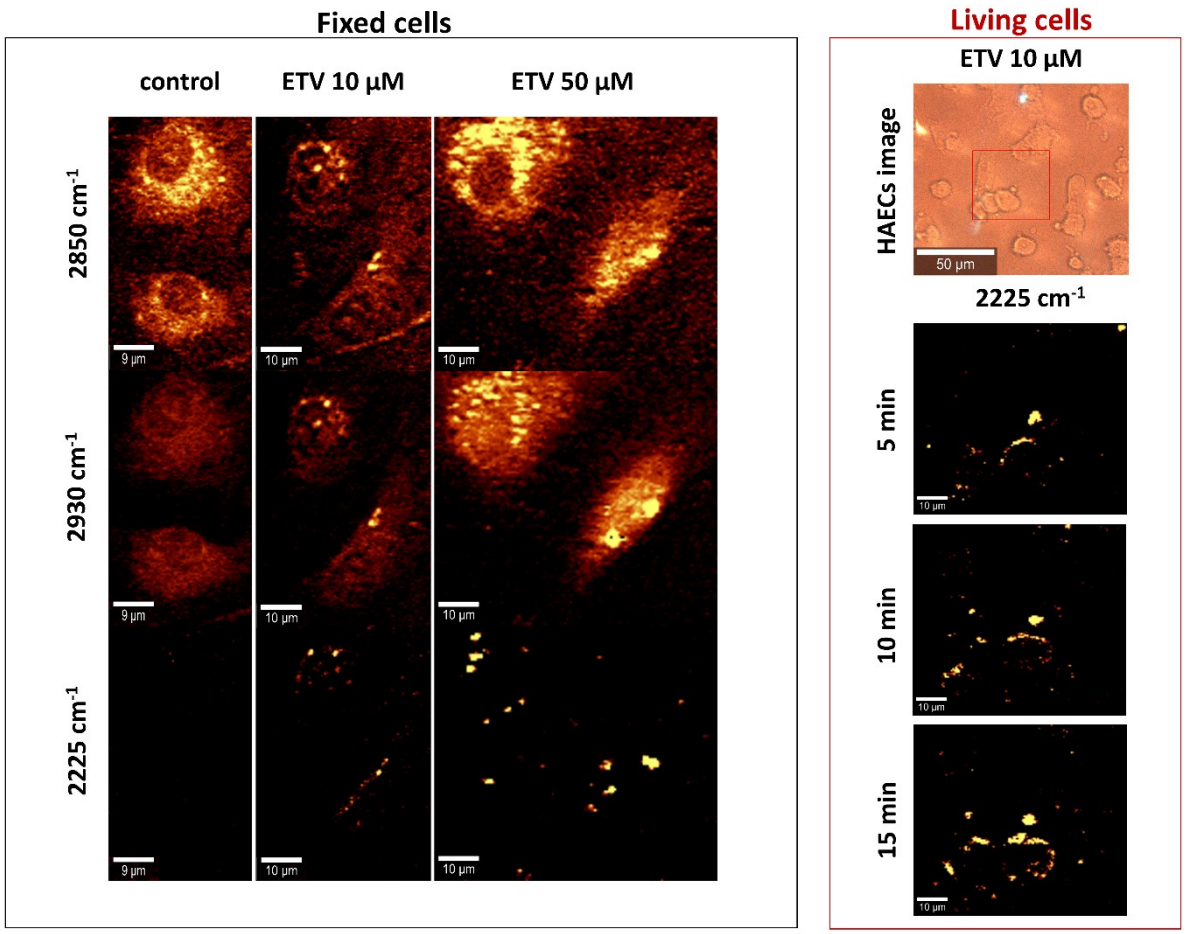

Fig. S3. SRS images of ETV-treated cells in HAECs. SRS images of fixed control and ETV-treated cells for 24 h (on the left) and SRS images of living cells capturing ETV uptake in time (cell treated with 10 µM ETV and SRS spectra registered every 5 minutes for a 15-minute time-frame (on the right).

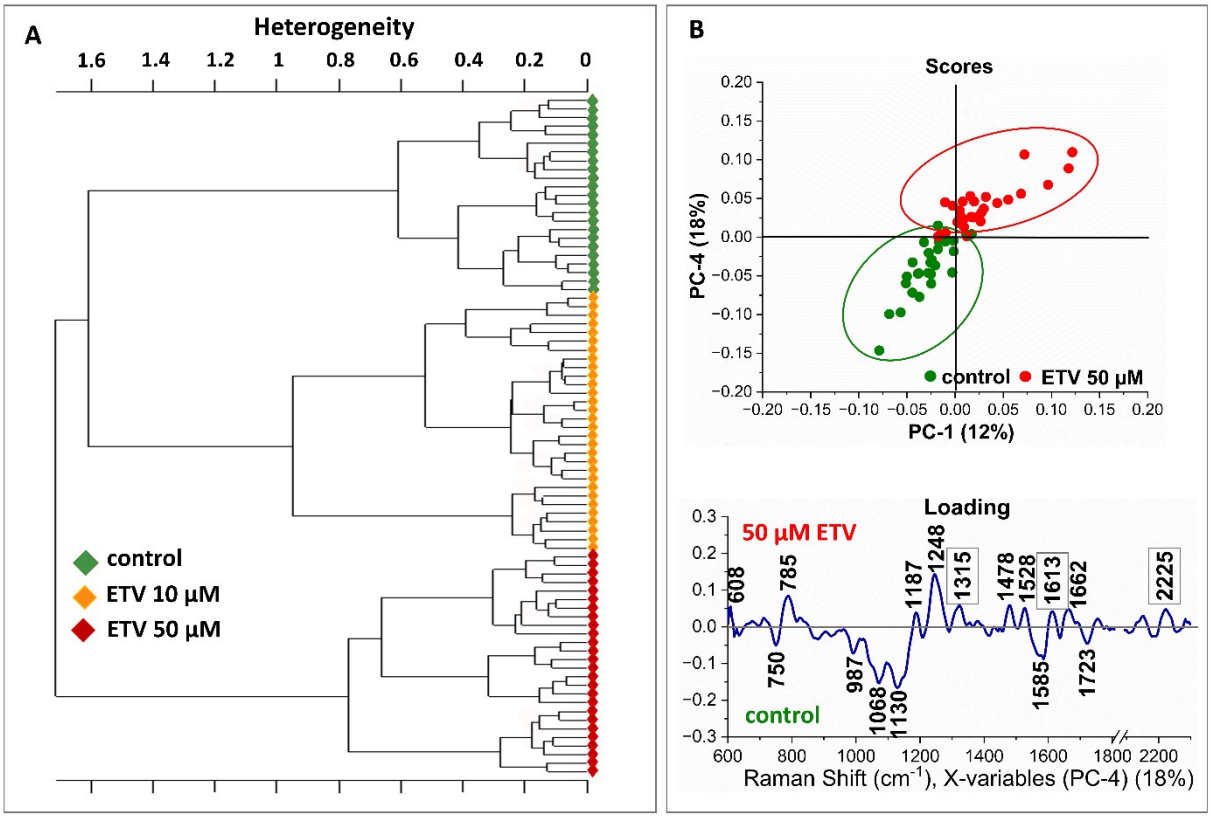

Fig. S4. Chemometric analysis of perinuclear area extracted from control and ETV-treated HAECs by 24 houres. A) HCA of average Raman spectra extracted from HAECs in KMCA (control, 10 and 50 µM). B) PCA results for control cells and 50 µM ETV-treated.