

Figure S1. Training of Classifiers for PI (top panel) and Caspase 3 (bottom panel) exemplified by images from the groups „Control“ (DMSO, left), „Staurosporin“ (middle), and „TMZ“ (right). In figures A – C, only the annotations to train the classifiers are shown, whereas in figures D – F the detections obtained in the first step of image analysis are additionally shown. Channels: blue: Hoechst, red: propidium iodide, green: caspase 3; Annotations (A-F): cyan border: edge of the cerebellar slice, yellow border surrounding detections visually classified to be propidium iodide positive nuclei / Caspase 3 positive cells, red border surrounding detections visually classified to be ignored; Detections (D – F): yellow detections: detections classified as propidium positive nuclei / Caspase 3 positive cells by the object classifier, red detections: detections classified by the object classifier to be ignored.

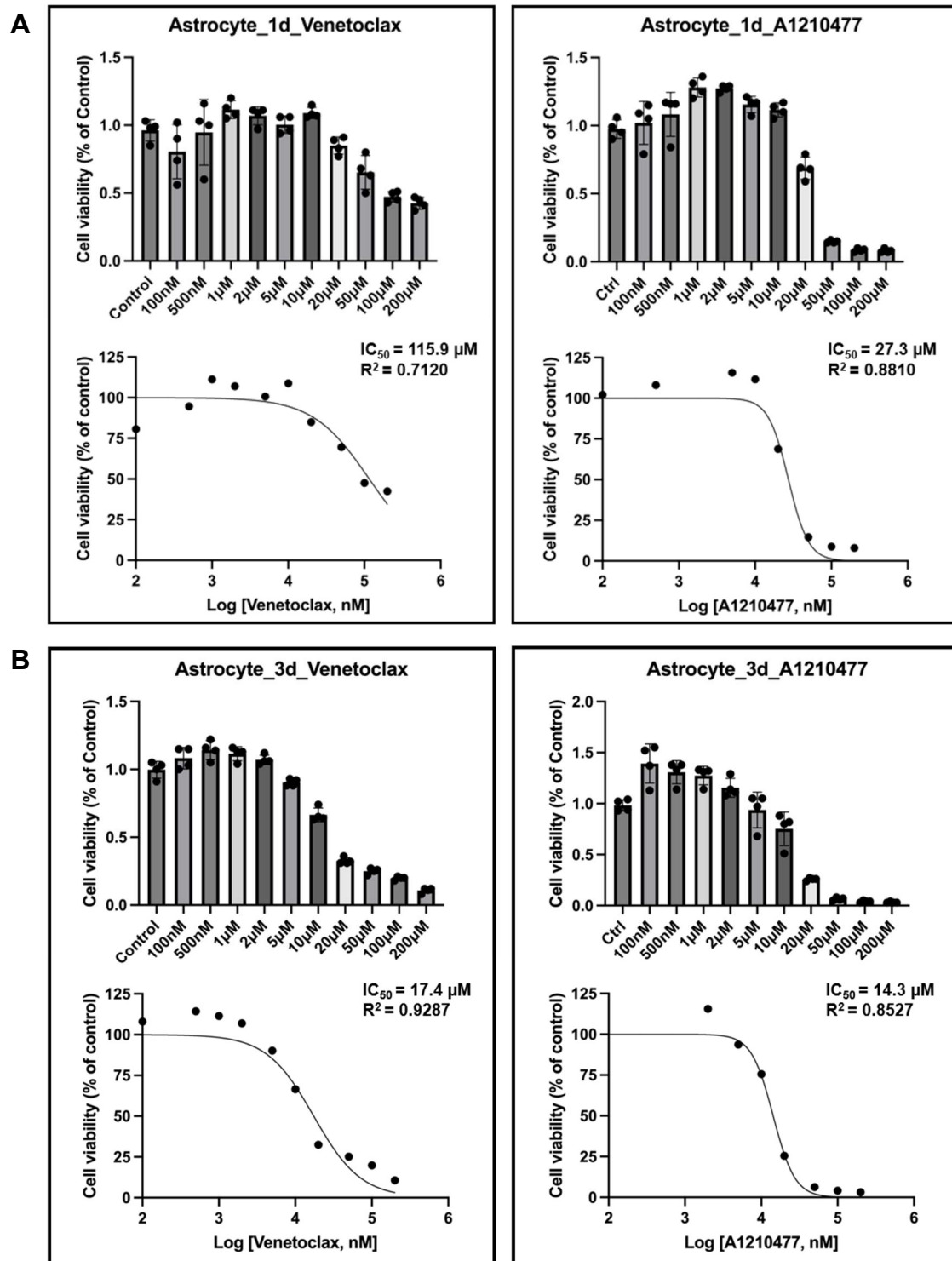


Figure S2. Cell viability curves for Venetoclax and A1210477 tested in primary astrocytes after 1 (A) and 3 days (B), respectively. IC_{50} values for both drugs were determined and depicted with their corresponding R^2 -values. All data are from experiments performed in quadruplicates; data are presented as mean \pm SD.

Table S1. IC₅₀ values for Venetoclax and A1210477 for GB cell lines U87 and U251. All concentrations were determined by triplicates. Number of viable cells were determined by CellTiter-Glo reagent and IC₅₀ values were calculated using non-linear regression with the least-square fit.

Cells	IC ₅₀ (nM)			
	1d		3d	
	Venetoclax	A1210477	Venetoclax	A1210477
U87	32.6 x 10 ³	15.2 x 10 ³	7.7 x 10 ³	7.8 x 10 ³
U251	129.8 x 10 ³	19.5 x 10 ³	18.6 x 10 ³	8.9 x 10 ³