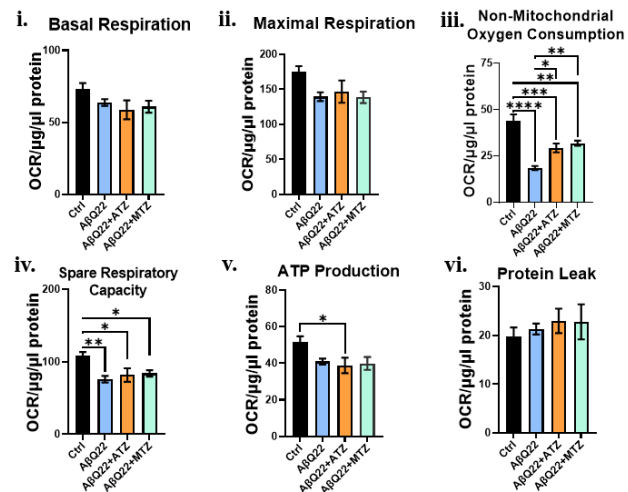
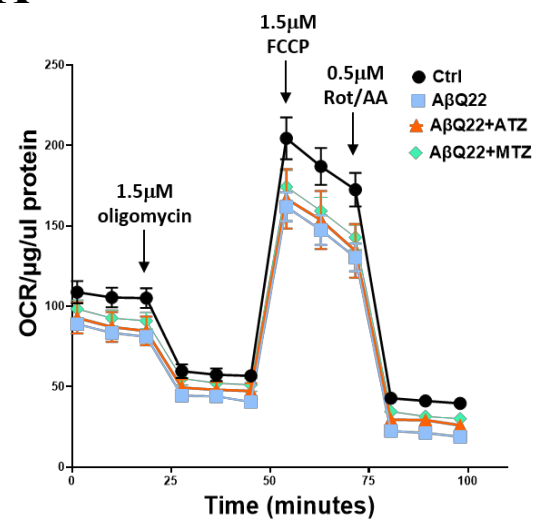


A



B

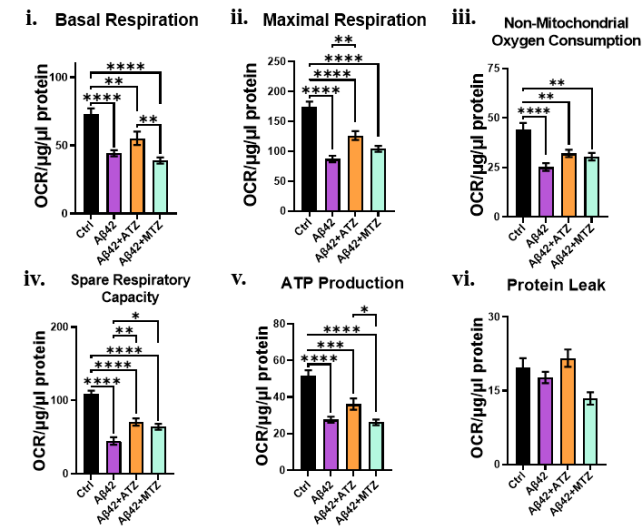
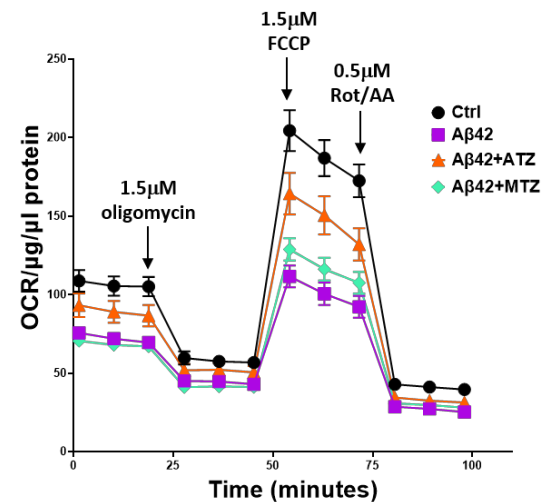


Figure S1. Effects of CAIs on mitochondrial respiration in Aβ-treated BVSMCs.

Supplementary Figure Legends

Figure S1.

Effects of CAIs on mitochondrial respiration in A β -treated BVSMCs.

A) and **(B)** Measurement of mitochondrial respiration in BVSMCs, treated for 24hrs with 10 μ M A β 40-Q22 (**A**) and A β 42 (**B**), in presence or absence of CAIs. **A)** A β 40-Q22 significantly impairs oxygen consumption rate (OCR) in non-mitochondrial oxygen consumption (**iii**) and spare respiratory capacity (**iv**) measurements, without affecting basal respiration (**i**), maximal respiration (**ii**), ATP production (**v**) and proton leak (**vi**). Both CAIs rescue non-mitochondrial oxygen consumption (**iii**). **B)** A β 42 significantly impair basal respiration (**i**), maximal respiration (**ii**), non-mitochondrial oxygen consumption (**iii**), spare respiratory capacity (**iv**), and ATP production (**v**) in BVSMCs, with no effect on proton leak (**vi**). For **(A)** and **(B)**, data are plotted following normalization to protein concentration. Graphs represent 3 independent experiments, with 6 replicates per group. Data are plotted as mean + SEM, and statistical significance was evaluated by One-way ANOVA, followed by Tukey's multiple comparisons test. * = $p < 0.05$, ** = $p < 0.01$, *** = $p < 0.001$, and **** = $p < 0.0001$, compared to untreated BVSMCs.