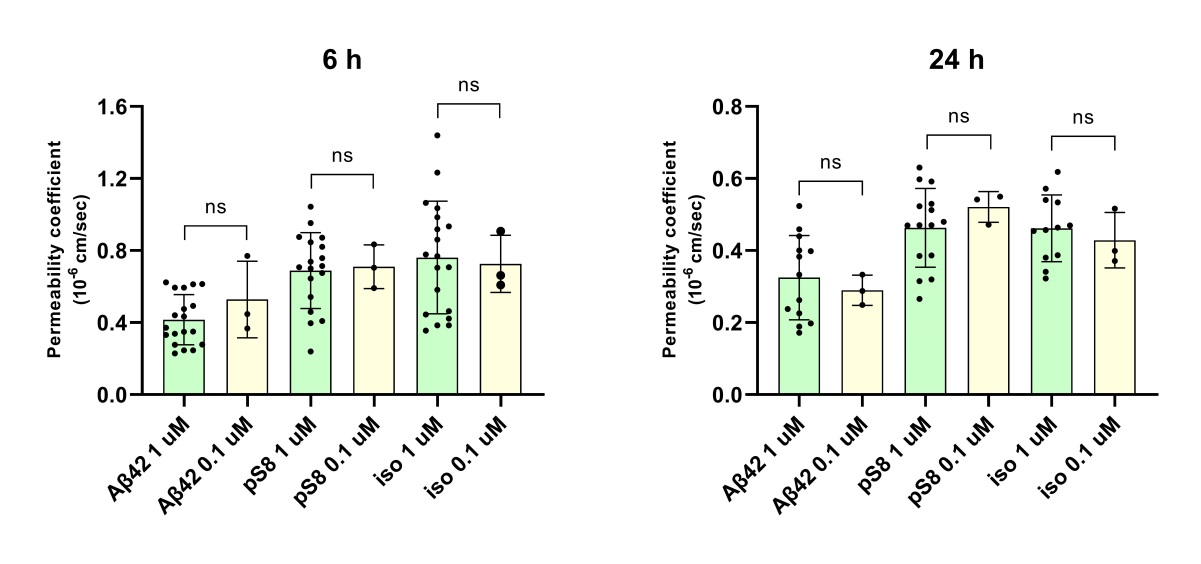
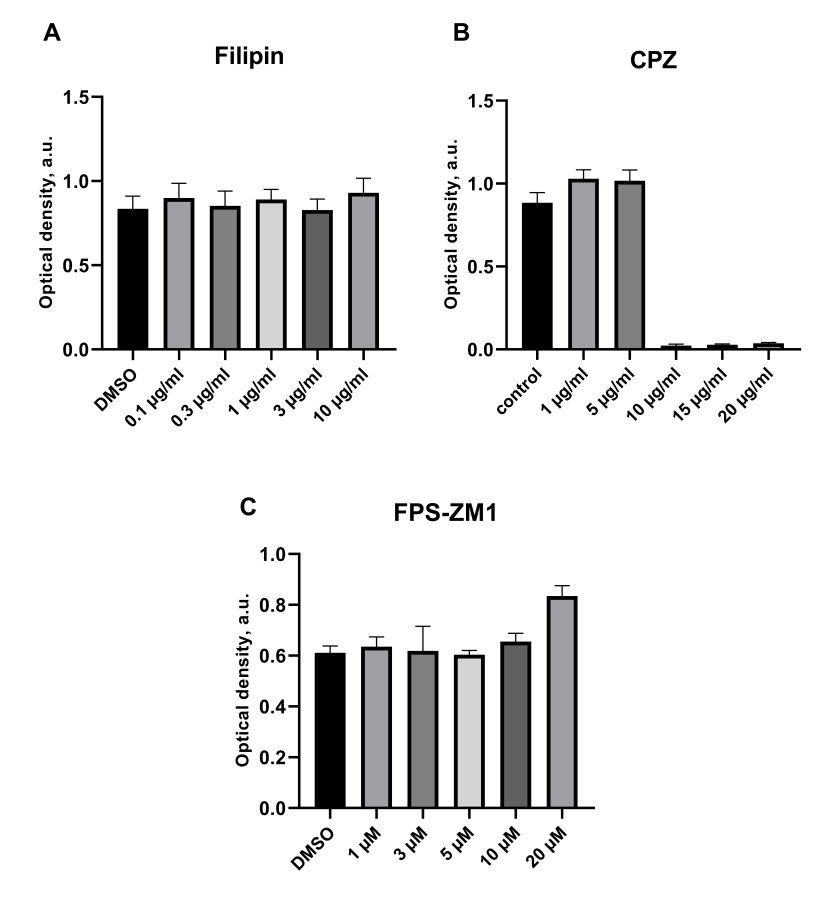
**Supplementary materials**

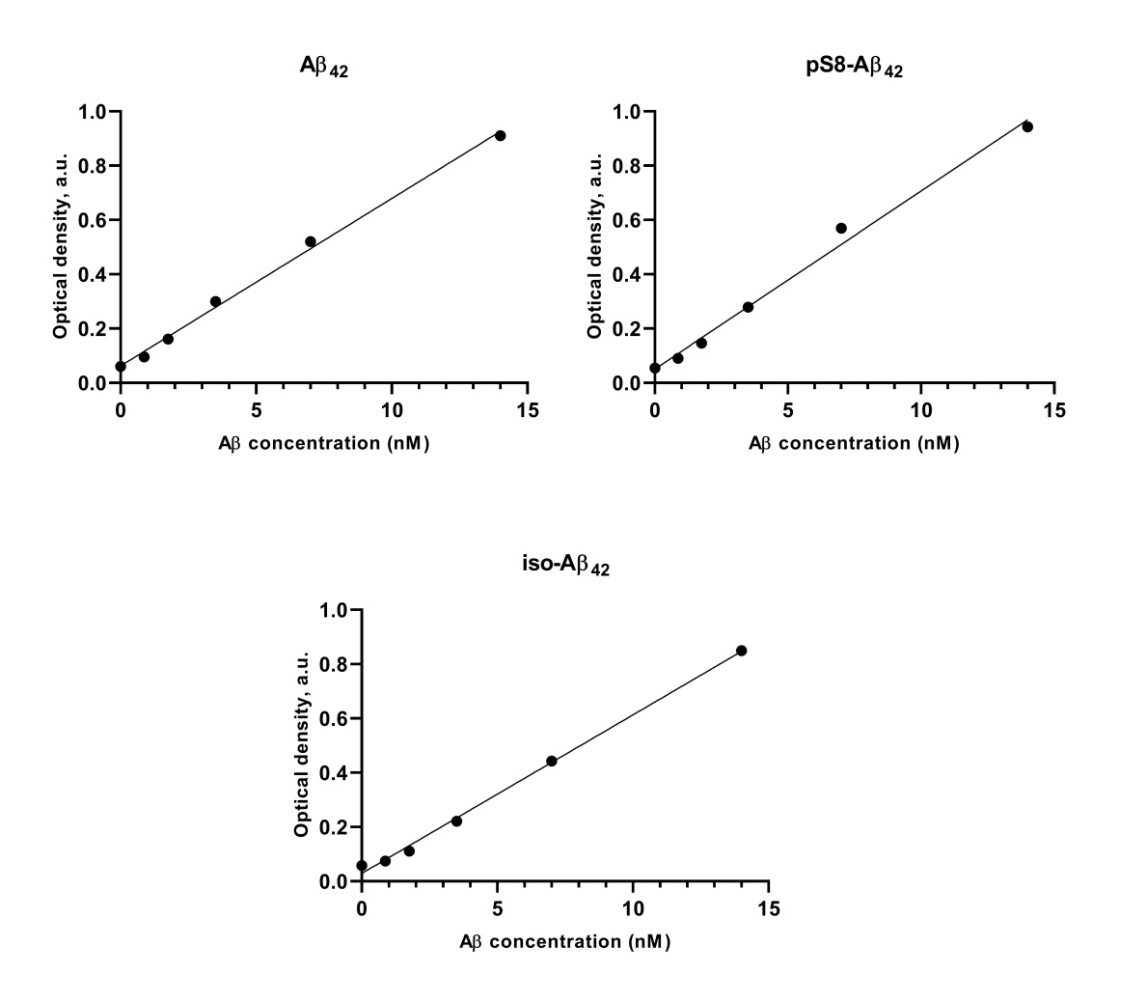
**Post-translational modifications of beta-amyloid alter its transport across the blood-brain barrier**

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**Figure S1.** **Permeability coefficient of amyloid beta isoforms after incubation with 1 µM or 0.1 µM for 6 and 24 hours**. Ns - not significant.



**Figure S2. Testing the toxicity of filipin (A), chlorpromazine (B) and FPS-ZM1 (C) for bEnd.3 cells.** Cells were incubated with various concentrations of inhibitors or an equivalent amount of DMSO for 24 hours. Toxicity was assessed using MTT (Filipin) and WST (FPS-ZM1 and chlorpromazine) tests. Optical density at various inhibitor concentrations is presented. Number of replicates in each group n = 3-4.

**Figure S3. ELISA calibration curves for Aβ42, pS8-Аβ42 and iso-Аβ42.**