

Fig. S1. Effect of δ -secretase inhibitor 11 on body weight and AEP activity. **a** Chemical structure of δ -secretase inhibitor 11. **b** Body weight records of SAMP8 and SAMR1 mice over the treatment period. n = 9 mice per group. **c** The enzymatic activity of AEP in the liver tissues of SAMP8 and SAMR1 mice was measured for 45 min. Mice had been treated with δ -secretase inhibitor 11 (10 mg/kg) for 3 months. **d** AEP activity was obtained at 45 min after the substrate cleavage reaction. n = 6 mice per group. **e**, **f** Measurement of AEP activity in

kidney tissues of SAMP8 and SAMR1 mice. n = 6 mice per group.