Figure S1
Figure S2

A

PMOL/MG PROTEIN

VEHICLE
ROLIPRAM

AB40
AB42

B

AB42/40

VEHICLE
ROLIPRAM

Figure S2
**Figure S1.** Rolipram injections do not improve radial-arm water-maze deficit in 3-month-old APP/PS1 mice. Double transgenic animals treated with vehicle 30 minutes before testing show impaired learning and memory for platform location during radial-arm water-maze testing compared to vehicle-treated WT mice [F(1,22)=5.65, \( P < 0.05 \)]. Rolipram has no effect on the performance of APP/PS1 [F(1,29)=0.27, \( P > 0.05 \)] and WT littermates [F(1,21)=0.18, \( P > 0.05 \)] with the radial-arm water-maze test. A1-A4 (performed consecutively) denote the acquisition trials, whereas R (performed 30 minutes after A4) denotes the retention trial.

**Figure S2.** Daily injections of rolipram for 3 weeks in 3 month-old APP/PS1 mice do not affect Aβ levels in 7-8 month old transgenic mice.