

β-Amyloid (1-40), rat**Cat. No.:** RP10016-0.5**Size:** 0.5 mg**Description:**

The effect of beta-amyloid-(1-40) was investigated on long-term potentiation of glutamatergic excitatory postsynaptic field potentials recorded in the inner molecular layer in the rat dentate gyrus in vitro. In the presence of 200 nM beta-amyloid-(1-40) there was an increase in long-term potentiation of 51%. Basal synaptic transmission was not affected. These results provide direct evidence that a relatively low concentration of beta-amyloid-(1-40) increases synaptic plasticity.

Sequence (one-letter code):

DAEFGHDSGFVVRHQKLVFFAEDVGSNKGAIIGLMVGGVV

Sequence (three-letter code):

{ASP}{ALA}{GLU}{PHE}{GLY}{HIS}{ASP}{SER}{GLY}{PHE}{GLU}{VAL}{ARG}{HIS}{GLN}{LYS}{LEU}{VAL}{PHE}{PHE}{ALA}{GLU}{ASP}{VAL}{GLY}{SER}{ASN}{LYS}{GLY}{ALA}{ILE}{ILE}{GLY}{LEU}{MET}{VAL}{GLY}{GLY}{VAL}{VAL}

Formula: C₁₉₀H₂₉₁N₅₁O₅₇S₁**Molecular Weight:** 4,233.74**Purity:** > 95%**Storage:**

Store at -20°C.

Note:

*For Non-Clinical Research Use Only *

