

# Amyloid $\beta$ -peptide (1-40) (rat)

Catalog No: tcsc0033185



## Available Sizes

Size: 1mg



## Specifications

### CAS No:

144409-98-3

### Formula:

$C_{190}H_{291}N_{51}O_{57}S$

### Pathway:

Others

### Target:

Others

### Purity / Grade:

>98%

### Solubility:

H<sub>2</sub>O

### Observed Molecular Weight:

4233.76

## Product Description

Amyloid  $\beta$ -peptide (1-40) (rat) is the prone-to-aggregation product of amyloid precursor protein proteolytic cleavage, and is the major constituent of senile plaques observed in the brain of Alzheimer's disease.

IC<sub>50</sub> & Target: The Amyloid  $\beta$ -peptide (1-40) (rat)-treated rats require longer to find the platform hidden under the water. In the visible platform test, the latency for each group is similar (20.56±11.31 s in control and 14.68±9.97 s in Amyloid  $\beta$ -peptide (1-40) (rat) group, p=0.304). Among these tested proteins, 6 ones are significantly up-regulated and 7 ones significantly down-regulated in Amyloid  $\beta$ -peptide (1-40) (rat) group comparing with the control. Tubulin  $\beta$  chain is significantly down-regulated in Amyloid  $\beta$ -peptide (1-40) (rat) group (p=0.014) when compare with control. Similar changes are also observed for ATP synthase  $\beta$  subunit (p=0.010)

and synapsin Ib between Amyloid  $\beta$ -peptide (1-40) (rat) and control groups, but not significantly for synapsin Ib ( $p=0.295$ )<sup>[1]</sup>.

DAEFGHDSGFVVRHQKLVFFAEDVGSNKGAIIGLMVGGVV

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!