

Amyloid β -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:

H₂O

Observed Molecular Weight:

4233.76

Product Description

Amyloid β -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.

IC₅₀ & Target: The Amyloid β -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 β -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 β -peptide (1-40) (rat) group comparing with the control. Tubulin β chain is significantly down-regulated in Amyloid β -peptide (1-40) (rat) group ($p=0.014$) when compare with control. Similar changes are also observed for ATP synthase β subunit ($p=0.010$).

and synapsin Ib between Amyloid β -peptide (1-40) (rat) and control groups, but not significantly for synapsin Ib ($p=0.295$)^[1].

DAEFGHDSGFVVRHQKLVFFAEDVGSNKGAIIGLMVGGVV

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