



DISCOVERY®
PEPTIDES

Amyloid Peptides from Cambridge Research Biochemicals

Cambridge Research Biochemicals has introduced a range of β -amyloid peptides to aid researchers in the study of Alzheimer's Disease.



Alzheimer's Disease prevention must be one of the great challenges for the 21st century and studying amyloid- β is central to that quest.



Dr John H Viles

Protein Misfolding and Neurodegeneration Group,
Queen Mary University of London



The A β 42 peptide oligomerises to form the toxic assemblies implicated in Alzheimer's Disease. Ion channel formation by A β 42 oligomers causes unregulated Ca²⁺ entry disrupting neuronal cell homeostasis.

Other A β fragments produced by cleavage of APP (amyloid precursor protein) have also been identified as playing a role in Alzheimer's pathology. These different A β isoforms release at the synapse and have been shown to accelerate fibre formation.

Bode, D., Baker, M. and Viles, J. (2016). Ion Channel Formation by Amyloid- β 42 Oligomers but Not Amyloid- β 40 in Cellular Membranes. *Journal of Biological Chemistry*, 292(4), pp.1404-1413.

Barritt, J., Younan, N. and Viles, J. (2017). N-Terminally Truncated Amyloid- β (11-40/42) Cofibrillizes with its Full-Length Counterpart: Implications for Alzheimer's Disease. *Angewandte Chemie International Edition*, 56(33), pp.9816-9819.

Our range consists of well documented β -amyloid peptides as detailed below:

β -amyloid 1-42 Peptides

β -amyloid (1-42) human
crb100088
DAEFRHDSGYEVHHQKLVFFAEDVGS
NKGAIIGLMVGGVVIA-acid
0.1mg £150 | 1mg £300

Biotinylated β -amyloid (1-42) human
crb1000844
Biotin-DAEFRHDSGYEVHHQKLVFFAE
DVGSNKGAIIGLMVGGVVIA-acid
0.1mg £150 | 1mg £300

Fluorescein β -amyloid (1-42) human
crb1100845
[5-FAM]-DAEFRHDSGYEVHHQKLVFFA
EDVGSNKGAIIGLMVGGVVIA-acid
0.1mg £200 | 0.5mg £450

β -amyloid 1-40 Peptides

β -amyloid (1-40) human
crb1000087
DAEFRHDSGYEVHHQKLVFFAEDVGS
NKGAIIGLMVGGVVIA-acid
0.1mg £150 | 1mg £300

Fluorescein β -amyloid (1-40) human
crb1100842
[5-FAM]-DAEFRHDSGYEVHHQKLVFF
AEDVGSNKGAIIGLMVGGVVIA-acid
0.1mg £200 | 0.5mg £450

Related Peptides

Amylin (1-37) human / IAPP
crb1000269
KCNTATCATQRLANFLVHSSNFGAIL
SSTNVGSNTY-acid
(Disulphide bridge 2-7)
0.5mg £150 | 1mg £200

α -synuclein (1-13)
crb1000417
MDVFMKGLSKAKE-acid
1mg £100

β -amyloid Fragments

β -amyloid (1-16) human
crb1000083
DAEFRHDSGYEVHHQK-acid
1mg £100

β -amyloid (1-28) human
crb1000499
DAEFRHDSGYEVHHQKLVFF
AEDVGSNK-acid
1mg £200

β -amyloid (11-40) human
crb1001072
EVHHQKLVFFAEDVGSNKGAI
IIGLMVGGVV-acid
1mg £200

β -amyloid (11-42) human
crb1001071
EVHHQKLVFFAEDVGSNKGAI
IIGLMVGGVV-acid
1mg £200

β -amyloid (1-11) human
crb1000080
DAEFRHDSGYE-acid
1mg £100

β -amyloid (1-12) human
crb1000081
DAEFRHDSGYEV-acid
1mg £100

β -amyloid (1-15) human
crb100008
DAEFRHDSGYEVHHQ-acid
1mg £100

β -amyloid (1-17) human
crb1000084
DAEFRHDSGYEVHHQK-acid
1mg £100

β -amyloid (10-20) human
crb1000089
YEVHHQKLVFF-acid
1mg £100

β -amyloid (35-25)
crb1001040
MLGIIAGKNSG-acid
1mg £100

CRB is a custom peptide provider, therefore if your desired amyloid related peptide is not listed or you wish to order a larger quantity, or a labelled version of the peptide, please request a custom synthesis quotation by contacting crbsales@crbdiscovery.com

More peptides available at www.discoverypeptides.com

T +44 (0) 1642 567 180 F +44 (0) 1642 567 181 E enquiries@discoverypeptides.com