



DISCOVERY®  
PEPTIDES

# Amyloid Peptides from Cambridge Research Biochemicals

Cambridge Research Biochemicals  
has introduced a range of  $\beta$ -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 21<sup>st</sup> century and  
studying amyloid- $\beta$  is  
central to that quest.



**Dr John H Viles**

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Neurodegeneration Group,  
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[www.crbdiscovery.com/discovery-peptides](http://www.crbdiscovery.com/discovery-peptides)



The A $\beta$  42 peptide oligomerises to form the toxic assemblies implicated in Alzheimer's Disease. Ion channel formation by A $\beta$  42 oligomers causes unregulated Ca<sup>2+</sup> entry disrupting neuronal cell homeostasis.

Other A $\beta$  fragments produced by cleavage of APP (amyloid precursor protein) have also been identified as playing a role in Alzheimer's pathology. These different A $\beta$  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- $\beta$ 42 Oligomers but Not Amyloid- $\beta$ 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- $\beta$  (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  $\beta$ -amyloid peptides as detailed below:

#### $\beta$ -amyloid 1-42 Peptides

**$\beta$ -amyloid (1-42) human**  
**crb1000088**  
 DAEFRHDSGYEVHHQKLVFFAEDVGS-  
 NKGAIIGLMVGGVVIA-acid  
**0.1mg £150 | 1mg £300**

**Biotin  $\beta$ -amyloid (1-42) human**  
**crb1000486**  
 Biotin-DAEFRHDSGYEVHHQKLVFFAE-  
 DVGSNKGAIIGLMVGGVVIA-acid  
**0.1mg £170 | 0.5mg £220**

#### $\beta$ -amyloid 1-40 Peptides

**$\beta$ -amyloid (1-40) human**  
**crb1000087**  
 DAEFRHDSGYEVHHQKLVFFAEDVGS-  
 NKGAIIGLMVGGVV-acid  
**0.1mg £170 | 1mg £320**

**Fluorescein  $\beta$ -amyloid (1-40) human**  
**crb1100842**  
 [5-FAM]-DAEFRHDSGYEVHHQKLVFF-  
 AEDVGSNKGAIIGLMVGGVV-acid  
**0.1mg £170 | 0.5mg £220**

#### Related Peptides

**Amylin (1-37) human / IAPP**  
**crb1000269**  
 KCNTATCATQRLANFLVHSSNNFGAIL-  
 SSTNVGSNTY-acid  
 (Disulphide bridge 2-7)  
**0.5mg £220 | 1mg £320**

**$\alpha$ -synuclein (1-13)**  
**crb1000417**  
 MDVFMKGLSKAKE-acid  
**1mg £110**

#### $\beta$ -amyloid Fragments

**$\beta$ -amyloid (1-16) human**  
**crb1000083**  
 DAEFRHDSGYEVHHQK-acid  
**1mg £110**

**$\beta$ -amyloid (1-28) human**  
**crb1000499**  
 DAEFRHDSGYEVHHQKLVFF-  
 AEDVGSNK-acid  
**1mg £220**

**$\beta$ -amyloid (1-11) human**  
**crb1000080**  
 DAEFRHDSGYE-acid  
**1mg £110**

**$\beta$ -amyloid (1-12) human**  
**crb1000081**  
 DAEFRHDSGYEV-acid  
**1mg £110**

**$\beta$ -amyloid (1-15) human**  
**crb100008**  
 DAEFRHDSGYEVHHQ-acid  
**1mg £110**

**$\beta$ -amyloid (1-17) human**  
**crb1000084**  
 DAEFRHDSGYEVHHQKL-acid  
**1mg £110**

**$\beta$ -amyloid (10-20) human**  
**crb1000089**  
 YEVHHQKLVFF-acid  
**1mg £110**

**$\beta$ -amyloid (35-25)**  
**crb1001040**  
 MLGIIAGKNSG-acid  
**1mg £110**

DISCOVERY® Peptides is the new catalogue business from Cambridge Research Biochemicals, a custom peptide provider. If your desired peptide is not listed or you wish to order a larger quantity, please request a custom synthesis quotation by contacting [crbsales@crbdiscovery.com](mailto:crbsales@crbdiscovery.com)

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