

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

β -Amyloid Peptide (25-35) (human)

Product overview

Name	β -Amyloid Peptide (25-35) (human)
Cat No	HB8524
Biological description	β -Amyloid (25-35) is a synthetic peptide fragment of the amyloid beta protein. It shows neurotoxic activity.
Biological action	Peptide
Purity	>95%
Description	β -Amyloid (25-35) protein fragment

Biological Data

Application notes	Please see our Amyloid Beta Protocol
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Freely soluble in H ₂ O.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	GSNKGAIIGLM
Molecular Weight	1060.27
Chemical structure	
Molecular Formula	C ₄₅ H ₈₁ N ₁₃ O ₁₄ S
Sequence (one letter)	GSNKGAIIGLM
Sequence (three letter)	H-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-OH
Modifications	N/A
CAS Number	131602-53-4
PubChem identifier	10843733
SMILES	<chem>CC[C@H](C)[C@@H](C)(=O)N[C@@H]([C@@H](C)CC)C(=O)NCC(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCSC)C(=O)O)NC(=O)[C@H](C)NC(=O)CNC(=O)[C@H](CCCCN)NC(=O)[C@H](CC(=O)N)NC(=O)[C@H](CO)NC(=O)CN</chem>
InChiKey	WIHBNMPFWRHGDF-SLVFWPMISA-N
MDL number	MFCD00133076
Appearance	Lyophilized White solid
Protein length	11

References

Amyloid-beta(25-35)-induced memory impairments correlate with cell loss in rat hippocampus

Stepanichev MY *et al* (2004) *Physiol Behav* 80(5)

PubMedID [14984798](#)

Abeta(31-35) and Abeta(25-35) fragments of amyloid beta-protein induce cellular death through apoptotic signals: Role of the redox state of methionine-35

Clementi ME *et al* (2005) *FEBS Lett* 579(13)

PubMedID [15890345](#)

Effect of Beta-amyloid (25-35) on mitochondrial function and expression of mitochondrial permeability transition pore proteins in rat hippocampal neurons

Ren R *et al* (2011) *J Cell Biochem* 112(5)

PubMedID [21321998](#)
