

Product Information

Amyloid b-peptide (25-35) (human)

Cat. No.: X23-12-YM244

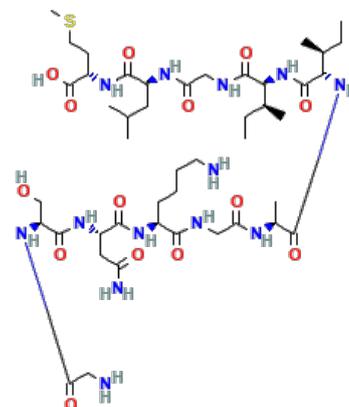
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 131602-53-4

PubChem CID: 10843733

Synonym: 131602-53-4; Amyloid beta-protein (25-35)

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Amyloid b-peptide (25-35) (human) interferes with or suppresses the transmission of signals between neurons in the nervous system.
Molecular Weight	1060.27
Molecular Formula	C ₄₅ H ₈₁ N ₁₃ O ₁₄ S
IUPAC Name	(2S)-2-[[[(2S)-2-[[2-[[[(2S, 3S)-2-[[[(2S, 3S)-2-[[[(2S)-2-[[2-[[[(2S)-6-Amino-2-[[[(2S)-4-amino-2-[[[(2S)-2-[[2-aminoacetyl]amino]-3-hydroxypropanoyl]amino]-4-oxobutanoyl]amino]hexanoyl]amino]acetyl]amino]propanoyl]amino]-3-methylpentanoyl]amino]-3-methylpentanoyl]amino]acetyl]amino]-4-methylpentanoyl]amino]-4-methylsulfanylbutanoic acid
InChI	InChI=1S/C45H81N13O14S/c1-9-24(5)36(43(69)50-21-35(63)52-29(17-23(3)4)40(66)55-28(45(71)72)14-16-73-8)58-44(70)37(25(6)10-2)57-38(64)26(7)51-34(62)20-49-39(65)27(13-11-12-15-46)54-41(67)30(18-32(48)60)56-42(68)31(22-59)53-33(61)19-47/h23-31, 36-37, 59H, 9-22, 46-47H2, 1-8H3, (H2, 48, 60)(H, 49, 65)(H, 50, 69)(H, 51, 62)(H, 52, 63)(H, 53, 61)(H, 54, 67)(H, 55, 66)(H, 56, 68)(H, 57, 64)(H, 58, 70)(H, 71, 72)/t24-, 25-, 26-, 27-, 28-, 29-, 30-, 31-, 36-, 37-/m0/s1
InChI Key	WIHBNMPFWRHGDF-SLVFWPMISA-N
Canonical SMILES	CCC(C)C(C(=O)NC(C(C)CC)C(=O)NCC(=O)NC(CC(C)C)C(=O)NC(CCSC)C(=O)O)NC(=O)C(C)NC(=O)CNC(=O)C(CCCCN)NC(=O)C(CC(=O)N)NC(=O)C(CO)NC(=O)CN
Isomeric SMILES	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](CCCN)NC(=O)[C@H](CC(=O)N)NC(=O)[C@H](CO)NC(=O)CN
Form	Lyophilized powder
Purity	>98%



Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Amyloid b-peptide (25-35) (human) can be studied extensively to induce amyloid aggregation in cell cultures or animal models, enabling scientists to investigate the impact of amyloid accumulation on neuronal function and viability.
Storage	Store at -20°C, and keep desiccated.
