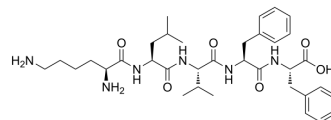


β-Amyloid peptide(16-20)

Cat. No.:	HY-P5124
CAS No.:	153247-40-6
Molecular Formula:	C ₃₅ H ₅₂ N ₆ O ₆
Molecular Weight:	652.82
Sequence:	Lys-Leu-Val-Phe-Phe
Sequence Shortening:	KLVFF
Target:	Amyloid-β
Pathway:	Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 33.33 mg/mL (51.06 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5318 mL	7.6591 mL	15.3182 mL
5 mM	0.3064 mL	1.5318 mL	3.0636 mL
10 mM	0.1532 mL	0.7659 mL	1.5318 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

β-Amyloid peptide(16-20) is a amino acid sequences (KLVFF) of Amyloid-β (Abeta). β-Amyloid peptide(16-20) is an effective inhibitor of Abeta fibril formation, with RG-/-GR-NH₂ residues added at N- and C-terminal ends to aid solubility^[1].

In Vitro

β-Amyloid peptide(16-20) (-NH₂) inhibits Abeta fibril formation under a dose of 1:2 molar ratio (Aβ₄₀/peptide), after incubation for 12 days (37 °C)^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Austen BM, et al. Designing peptide inhibitors for oligomerization and toxicity of Alzheimer's beta-amyloid peptide. Biochemistry. 2008 Feb 19;47(7):1984-92.

Caution: Product has not been fully validated for medical applications. For research use only.

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