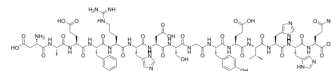


β-Amyloid (1-15)

Cat. No.:	HY-P1046
CAS No.:	183745-81-5
Molecular Formula:	C ₇₈ H ₁₀₇ N ₂₅ O ₂₇
Molecular Weight:	1826.84
Sequence:	Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln
Sequence Shortening:	DAEFRHDSGYEVHHQ
Target:	Amyloid-β
Pathway:	Neuronal Signaling
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* The compound is unstable in solutions, freshly prepared is recommended.

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (27.37 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	0.5474 mL	2.7370 mL	5.4739 mL	
		5 mM	0.1095 mL	0.5474 mL	1.0948 mL	
		10 mM	0.0547 mL	0.2737 mL	0.5474 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	β-Amyloid (1-15) is a fragment of β-Amyloid peptide. Beta-amyloid is a peptide that forms amyloid plaques in the brains of Alzheimer's disease (AD) patients.
IC ₅₀ & Target	Amyloid-β ^[1]
In Vitro	β-Amyloid (1-15) is produced by concerted β- and α-secretase cleavage of amyloid-β protein precursor (AβPP). β-Amyloid (1-15) seems to be a sensitive acute pharmacodynamic biomarker for γ-secretase inhibition and may have several advantages compared to measuring longer CSF Aβ species. ^[1] MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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