

Amyloid- $\beta$  (1-8, A2V) Peptide

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Amyloid- $\beta$ (1-8, A2V) is a truncated form of amyloid- $\beta$ ( $A\beta$ ) that contains a valine to alanine substitution at position 2 of the $A\beta$ numbering convention ( $A\beta$ A2V), which corresponds to position 673 of the amyloid precursor protein (APP) numbering convention (APP A673V). An $A\beta$ (1-40) ( $A\beta$ 40) A2V peptide increases the production of $A\beta$ and the rate and amount of amyloid fibril formation in vitro, effects that can be reduced by coincubation with wild-type $A\beta$ 40. $A\beta$ 40 and $A\beta$ 42 levels are increased in CHO cells expressing the $A\beta$ A2V mutation and in fibroblasts derived from patients with the $A\beta$ A2V mutation. As a homozygous mutation, $A\beta$ A2V is correlated with Alzheimer's disease with distinctive pathological features, but disease does not develop in patients with a heterozygous $A\beta$ A2V mutation.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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