

## β-Secretase inhibitor

Cat. No.:	HY-P1962
CAS No.:	350228-37-4
Molecular Formula:	C <sub>73</sub> H <sub>118</sub> N <sub>16</sub> O <sub>27</sub>
Molecular Weight:	1651.81
Sequence:	Lys-Thr-Glu-Glu-Ile-Ser-Glu-Val-Asn-{Sta}-Val-Ala-Glu-Phe
Sequence Shortening:	KTEEISEVN-{Sta}-VAEF
Target:	Beta-secretase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	β-Secretase inhibitor ([Asn670, Sta671, Val672]-Amyloid β Peptide (662-675)) is a β-secretase and BACE1 inhibitor (IC <sub>50</sub> : 25 nM for β-secretase) <sup>[1]</sup> .
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### REFERENCES

- [1]. Lin Liu, et al. A colorimetric strategy for assay of protease activity based on gold nanoparticle growth controlled by ascorbic acid and Cu(II)-coordinated peptide. *Sensors and Actuators B: Chemical*. Volume 266, 1 August 2018, Pages 246-254.
- [2]. Zhou Y, et al. Tyrosine-Conjugation Method for Evaluating BACE1 Activity Based on Silver Nanoparticles/Metal-Organic Framework Composites as Electrochemical Tags. *Chemistry*. 2023 May 16;29(28):e202300450.

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

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