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ProductInformation

b-SECRETASE INHIBITOR

Product Number **S 4562** Storage Temperature –20 °C

(KTEEISEVN [Statine] VAEF; Lys-Thr-Glu-Glu-Ile-Ser-Glu-Val-Asn-[Statine]-Val-Ala-Glu-Phe-OH))

Product Description

Appearance: White Powder Molecular Formula: $C_{73}H_{118}N_{16}O_{27}$

Formula Weight: 1651.8 Purity: >97 % by HPLC.

A β-secretase inhibitor.¹

A key event in Alzheimer's disease is the sequential proteolytic cleavage of the amyloid protein from the amyloid protein precursor (APP) by β - and γ -secretase. β -secretase (BACE), a transmembrane aspartyl protease cleaves the APP to yield the N terminus of the amyloid β peptide. Whereas, γ -secretase cleaves the C terminus. Accumulation of the amyloid β peptides results in neuritic plaques in brain parenchyma and may be a root cause of Alzheimer's disease.

Preparation Instructions

Soluble in DMSO (high purity, >99.9 %)

Storage/Stability

Store tightly sealed and desiccated at -20 °C. Allow powder to reach room temperature before opening vial. May be stored desiccated in solid form at room temperature for one year.

Reference

 Anderson, S.S., et al., Purification and cloning of amyloid precursor protein beta-secretase from human brain. Nature, 402, 537-540 (1999).

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