β-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