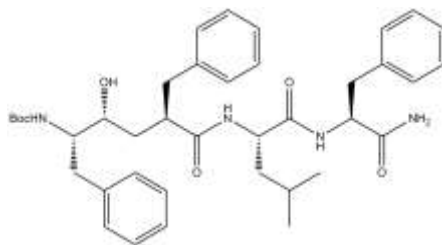


**L-685,458**

CATALOG #: 1713-250

AMOUNT: 250 µg

## STRUCTURE:



ALTERNATE NAME: (5S)-(tert-Butoxycarbonylamino)-6-phenyl-(4R)-hydroxy-(2R)-benzylhexanoyl)-L-leucyl-L-phenylalaninamide

MOLECULAR FORMULA: C<sub>39</sub>H<sub>52</sub>N<sub>4</sub>O<sub>6</sub>

MOLECULAR WEIGHT: 672.85

CAS NUMBER: 292632-98-5

FORMULATION: A 1 mM solution in DMSO (250 µg in 372 µl)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C.

**DESCRIPTION:** Cell-permeable. A potent and selective  $\gamma$ -secretase inhibitor (IC<sub>50</sub> = 17 nM). Displays > 50-fold selectivity over a range of aspartyl, serine and cysteine proteases. Exhibits equal potency for inhibition of A $\beta$  40 and A $\beta$  42 peptides (IC<sub>50</sub> values are 48 and 67 nM respectively in human neuroblastoma cells).

**REFERENCES:** Shearman, M.S., et al. (2000). *Biochemistry* **39**, 8698-8704.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

**RELATED PRODUCTS:**

- $\beta$ -Secretase Fluorometric Assay Kit (Cat. No. K360-100)
- APP Polyclonal Antibody (Cat. No. 6001-100)
- BACE Polyclonal Antibody (Cat. No. 6101-100)
- BACE2 Polyclonal Antibody (Cat. No. 6102-100)
- Presenilin 1 Polyclonal Ab (Cat. No. 3481-100)
- Presenilin 2 Polyclonal Ab (Cat. No. 3482-100)
- $\beta$ -Secretase Inhibitor I (Cat. No. 7501-1)
- $\beta$ -Secretase Inhibitor II (Cat. No. 7502-1)