**EZSolution™ L-685,458**

**CATALOG #:** 1713-250  
**AMOUNT:** 250 µg

**STRUCTURE:**

![Chemical Structure Image]

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

**MOLECULAR FORMULA:** C_{39}H_{52}N_{4}O_{6}

**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. Protect from air and light.

**DESCRIPTION:** Cell-permeable. A potent and selective γ-secretase inhibitor (IC_{50} = 17 nM). Displays > 50-fold selectivity over a range of aspartyl, serine and cysteine proteases. Exhibits equal potency for inhibition of Aβ40 and Aβ42 peptides (IC_{50} values are 48 and 67 nM respectively in human neuroblastoma cells).


**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.