PRODUCT:  **Semagacestat**

**ALTERNATE NAME:**  
(S)-2-hydroxy-3-methyl-N-((S)-1-((S)-3-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-1-ylamino)-1-oxopropan-2-yl)butanamide ; LY450139

**CATALOG #:**  2430-1, 5

**AMOUNT:**  1 mg, 5 mg

**STRUCTURE:**

**MOLECULAR FORMULA:**  C_{19}H_{27}N_{3}O_{4}

**MOLECULAR WEIGHT:**  361.44

**CAS NUMBER:**  425386-60-3

**APPEARANCE:**  White solid

**SOLUBILITY:**  DMSO (>60 mg/ml) or EtOH (>40 mg/ml)

**PURITY:**  ≥98% by HPLC

**STORAGE:**  At -20°C. Protect from light and air

**DESCRIPTION:**  A potent γ-secretase inhibitor (IC_{50} = 10.9 nM, 12.1 nM and 12.0 nM for Aβ42, Aβ40 and Aβ38, respectively). Semagacestat has shown to reduce the rate of formation of amyloid-β in vitro and in vivo.

**REFERENCE:**  Yi, P., et al. (2010). Drug Metabolism & Disposition 38, 554-565.

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

**RELATED PRODUCTS:**
- APP Antibody (Cat. No. 6001-100)
- Beta-Secretase, human recombinant (Cat. No. 7604-20, 100, 1000)
- Beta-Secretase Activity Assay Kit (Cat. No. K360-100)
- Beta Secretase Inhibitor I (Cat. No. 7501-1)
- Beta Secretase Inhibitor II (Cat. No. 7502-1)
- Compound 34 (Cat. No. 1898-200, 1000)
- Compound E (Cat. No. 1949-250, 1000)
- Compound W (Cat. No. 2208-50, 250)
- DAPT (Cat. No. 1855-5)
- L-685, 258 (Cat. No. 1713-250)
- LY2886721 (Cat. No. 2399-5, 25)
- RO4929097 (Cat. No. 2011-1, 5)
- TACE Antibody (Cat. No. 3222-100)

**USAGE:**  FOR RESEARCH CH USE ONLY! Not to be used in humans