

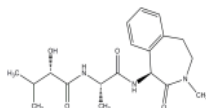
PRODUCT: Semagacestat

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: C₁₉H₂₇N₃O₄

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 (IC₅₀ = 10.9 nM, 12.1 nM and 12.0 nM for A β 42, A β 40 and A β 38, 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**