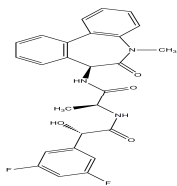


Product: LY-411575

ALTERNATE NAME: N2-[(2S)-2-(3,5-Difluorophenyl)-2-hydroxyethanoyl]-N1-[(7S)-5-methyl-6-oxo-6,7-dihydro-5H-dibenzo[b,d]azepin-7-yl]-L-alaninamide; LSN-411575

CATALOG #: 2648-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₆H₂₃F₂N₃O₄

MOLECULAR WEIGHT: 479.48

CAS NUMBER: 209984-57-6

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~5 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: LY411575 is a potent, cell-permeable γ -secretase inhibitor (IC₅₀ of 0.078 nM/0.082 nM (membrane/cell-based); also inhibits Notch cleavage with with IC₅₀ of 0.39 nM. Notch inhibition using LY-411575 induces cochlear hair cell regeneration and recovery of hearing in mice after acoustic trauma.

REFERENCE: Mizutari, K., *et al.* (2013). *Neuron* **77**, 58-69.

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)

Semagacestat (Cat. No. 2430-1, 5)

TACE Antibody (Cat. No. 3222-100)