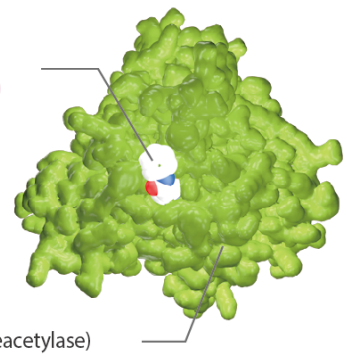
Notch



Notch signaling pathway is a highly conserved cell signaling system present in most multicellular organisms. Notch is present in all metazoans, and mammals possess four different notch receptors, referred to as Notch1, Notch2, Notch3, and Notch4. The notch receptor is a single-pass transmembrane receptor protein. It is a hetero-oligomer composed of a large extracellular portion, which associates in a calcium-dependent, non-covalent interaction with a smaller piece of the notch protein composed of a short extracellular region, a single transmembrane-pass, and a small intracellular region. Notch signaling promotes proliferative signaling during neurogenesis, and its activity is inhibited by Numb to promote neural differentiation. The notch signaling pathway is important for cell-cell communication, which involves gene regulation mechanisms that control multiple cell differentiation processes during embryonic and adult life.

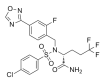
Notch Inhibitors & Modulators

Avagacestat
(BMS-708163)

Cat. No.: HY-50845

Bioactivity: Avagacestat (BMS-708163) is a potent inhibitor of **γ-secretase**, with IC_{50}s of 0.27 nM and 0.30 nM for Aβ42 and Aβ40 inhibition; Avagacestat (BMS-708163) also inhibits NICD (Notch IntraCellular Domain) with IC_{50} of 0.84 nM and sh...

Purity: 99.93%
Clinical Data: Phase 2
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg

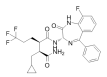


BMS-983970

Cat. No.: HY-12419

Bioactivity: BMS-983970 is an oral pan-Notch inhibitor for the treatment of cancer.

Purity: 99.21%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

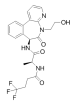


Crenigacestat
(LY3039478)

Cat. No.: HY-12449

Bioactivity: Crenigacestat (LY3039478) is a novel and potent Notch inhibitor.

Purity: 98.62%
Clinical Data: Phase 2
Size: 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

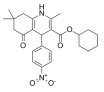


FLI-06

Cat. No.: HY-15860

Bioactivity: FLI-06 is an inhibitor of **Notch** signaling with an EC_{50} of 2.3 μM.

Purity: 99.87%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

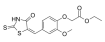


IMR-1

Cat. No.: HY-100431

Bioactivity: IMR-1 is a novel class of Notch inhibitors targeting the transcriptional activation with IC50 of 6 μmol/L. target: Notch IC 50: 6 μmol/L In vitro: IMR-1 prevents the recruitment of Maml1 to the NTC on chromatin, inhibits Notch target gene transcription, and dramatically inhibits tumor growth . A...

Purity: 98.59%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

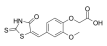


IMR-1A

Cat. No.: HY-100431A

Bioactivity: IMR-1A is the metabolite of IMR-1. IMR-1 is a novel class of Notch inhibitors targeting the transcriptional activation with IC50 of 6 μmol/L. target: Notch IC 50: 6 μmol/L In vitro: IMR-1 prevents the recruitment of Maml1 to the NTC on chromatin, inhibits Notch target gene transcription, and...

Purity: 98.06%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

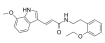


JI051

Cat. No.: HY-117113

Bioactivity: JI051 is a stabilizer for the **Hes1-PHB2** interaction, interacts with a cancer-associated protein chaperone prohibitin 2 (**PHB2**), induces cell-cycle arrest by inhibiting the **Notch** downstream effector gene Hes1. Anti-cancer activity [1].

Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 50 mg, 100 mg

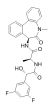


LY-411575

Cat. No.: HY-50752

Bioactivity: LY-411575 is a potent **γ-secretase** inhibitor with IC_{50} of 0.078 nM/0.082 nM (membrane/cell-based), and also inhibits Notch S3 cleavage with IC_{50} of 0.39 nM.

Purity: 98.71%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

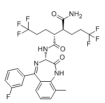


Notch inhibitor 1

Cat. No.: HY-12860

Bioactivity: Notch inhibitor 1 is a potent **Notch** inhibitor, with IC_{50}s of 7.8 and 8.5 nM for Notch 1 and Notch 3, respectively. Used in the research of cancer [1].

Purity: >98%
Clinical Data: No Development Reported
Size: 100 mg, 250 mg, 500 mg

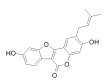


Psoralidin

Cat. No.: HY-N0232

Bioactivity: Psoralidin, a natural furanocoumarin, is isolated from Psoralea corylifolia L. possessing anti-cancer properties. IC50 value: Target: Anticancer natural compound in vitro: PSO dramatically decreased the cell viabilities in dose- and time-dependent manner. Autophagy inhibitor 3-MA blocked the...

Purity: 98.13%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg



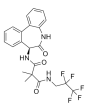
Tel: 609-228-6898 Fax: 609-228-5909 Email: sales@MedChemExpress.com

RO4929097

(RG-4733) Cat. No.: HY-11102

Bioactivity: RO4929097 (RG-4733) is a **γ secretase** inhibitor with IC_{50} of 4 nM, inhibiting cellular processing of Aβ40 and Notch with EC_{50} of 14 nM and 5 nM, respectively.

Purity: 98.02%
Clinical Data: Phase 2
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

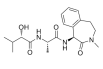


Semagacestat

(LY450139) Cat. No.: HY-10009

Bioactivity: Semagacestat is a **γ-secretase** inhibitor, inhibits **β-amyloid** (**Aβ42**), **Aβ38** and **Aβ40** with IC_{50} of 10.9, 12 and 12.1 nM, respectively; also inhibits **Notch** signaling with IC_{50} of 14.1 nM.

Purity: 98.83%
Clinical Data: Phase 3
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

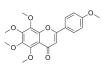


Tangeretin

(Tangeritin; NSC53909; NSC618905) Cat. No.: HY-N0133

Bioactivity: Tangeretin (Tangeritin), a flavonoid from citrus fruit peels, has been proven to play an important role in anti-inflammatory responses and neuroprotective effects in several disease models, and was also selected as a Notch-1 inhibitor.

Purity: 99.10%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



tCFA15

Cat. No.: HY-104031

Bioactivity: tCFA15 is a trimethyl cyclohexenonic long chain fatty alcohol containing 15 carbon atoms on the side chain, promotes the differentiation of neurons, and may regulates **Notch** signaling.

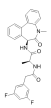
Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg

YO-01027

(Dibenzazepine; DBZ) Cat. No.: HY-13526

Bioactivity: YO-01027 (Dibenzazepine;DBZ) is a potent **γ-secretase** inhibitor with IC_{50} values of 2.92±0.22 and 2.64±0.30 nM for **Notch** and **APPL** cleavage, respectively.

Purity: 99.23%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
2 mg, 5 mg, 10 mg, 25 mg



Z-Ile-Leu-aldehyde

(Z-IL-CHO; GSI-XII; γ-Secretase inhibitor XII) Cat. No.: HY-12465

Bioactivity: Z-Ile-Leu-aldehyde(Z-IL-CHO; GSI-XII) is a potent gamma-Secretase inhibitor; Notch signaling inhibitor.

Purity: 98.10%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg