

## Product Data Sheet

Product Name: ELND 006

Cat. No.: GC74087

### Chemical Properties

Cas. No. 1333990-84-3

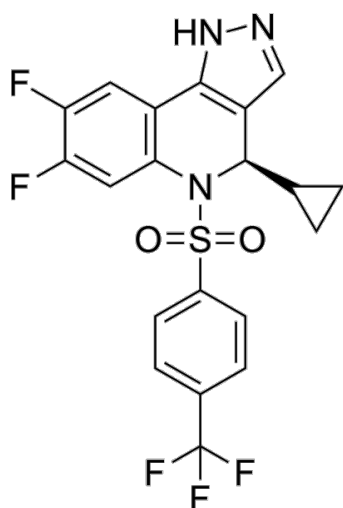
Formula  $C_{20}H_{14}F_5N_3O_2S$  M.Wt 455.4

Solubility DMSO : 50 mg/mL (109.79 mM);  
Need ultrasonic and warming) Storage -20°C, sealed storage, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

ELND 006 (Compound 30) is a metabolically stable  $\gamma$ -secretase inhibitor designed to selectively inhibit amyloid beta ( $A\beta$ ) generation while sparing Notch signaling. It was developed through a synthetic strategy emphasizing diversity and chirality. ELND 006, along with its analog ELND007 (Compound 34), progressed into human clinical trials. In preclinical studies, both compounds demonstrated effective reduction of  $A\beta$  levels in vitro and in vivo. Comparisons with other  $\gamma$ -secretase inhibitors like Semagacestat, Begacestat, and Avagacestat underscored their potency and specificity in lowering  $A\beta$  levels in cerebrospinal fluid (CSF) of healthy human volunteers, suggesting potential

**Caution: Product has not been fully validated for medical applications. For research use only.**

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therapeutic efficacy in Alzheimer's disease.

### References:

[1]. Discovery of (R)-4-Cyclopropyl-7,8-difluoro-5-(4-(trifluoromethyl)phenylsulfonyl)-4,5-dihydro-1H-pyrazolo[4,3-c]quinoline (ELND006) and (R)-4-Cyclopropyl-8-fluoro-5-(6-(trifluoromethyl)pyridin-3-ylsulfonyl)-4,5-dihydro-2H-pyrazolo[4,3-c]quinoline (ELND007): Metabolically Stable  $\gamma$ -Secretase Inhibitors that Selectively Inhibit the Production of Amyloid- $\beta$  over Notch

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