

# NGP555

Catalog No: tcsc0030521



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

1304630-27-0

**Formula:**

$C_{23}H_{23}FN_4S$

**Pathway:**

Stem Cell/Wnt;Neuronal Signaling

**Target:**

$\gamma$ -secretase; $\gamma$ -secretase

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 42.9 mg/mL (105.53 mM; Need ultrasonic and warming)

**Observed Molecular Weight:**

406.52

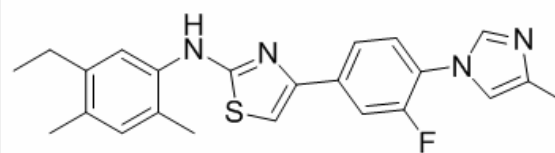
## Product Description

NGP555 is a **γ-secretase** modulator.

IC50 & Target: γ-secretase<sup>[1]</sup>

**In Vitro:** NGP555 potently lowers Aβ<sub>42</sub> in cell cultures (9 nM) while increasing shorter forms of Aβ<sup>[1]</sup>.

**In Vivo:** NGP555 significantly lowers Aβ<sub>42</sub> in the cerebrospinal fluid (CSF) at time points from 8 to 10 hours post dose, panel B shows that reduction of Aβ cerebrospinal fluid (CSF) levels is significant at 3.75 mg/kg of NGP555 and above, and panel C shows an increase in Aβ<sub>38</sub> levels at 15 mg/kg of NGP555 and above. When combining the reduction of Aβ<sub>42</sub> with an increase in Aβ<sub>38</sub>, NGP555 is effective at raising CSF Aβ<sub>38/42</sub> ratio at 1.87 mg/kg and above (panel D). NGP555-treated Tg mice show a significant protection from decline in performance with >65% less decline (P[1]).



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!