

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:

γ -secretase; γ -secretase

Purity / Grade:

>98%

Solubility:

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

Observed Molecular Weight:

406.52

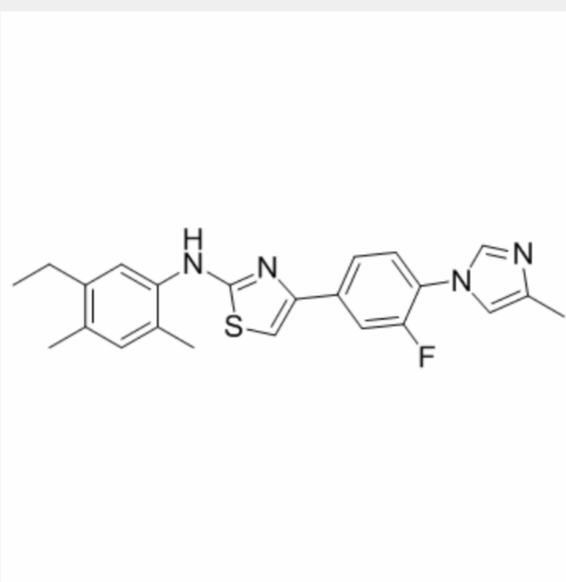
Product Description

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

IC50 & Target: γ-secretase^[1]

In Vitro: NGP555 potently lowers Aβ₄₂ in cell cultures (9 nM) while increasing shorter forms of Aβ^[1].

In Vivo: NGP555 significantly lowers Aβ₄₂ 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 Aβ₃₈ levels at 15 mg/kg of NGP555 and above. When combining the reduction of Aβ₄₂ with an increase in Aβ₃₈, NGP555 is effective at raising CSF Aβ_{38/42} 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]).



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