

Catalog	Unit
TBI3479-1MG	1 mg
TBI3479-5MG	5 mg

Product Details

Formal Name: N-[(1S)-2-[[[(3S)-2,3-Dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]amino]-1-methyl-2-oxoethyl]-3,5-difluorobenzeneacetamide

Alternate Names: γ -Secretase Inhibitor XXI; Cpd E

Molecular Formula: C₂₇H₂₄F₂N₄O₃

Formula Weight: 490.5

CAS Number: 209986-17-4

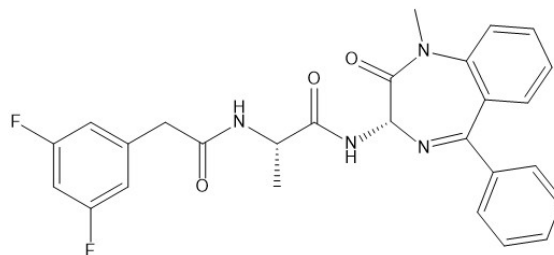
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: $\geq$ 2 years.



Applications

Notch pathway inhibitor; Gamma secretase inhibitor

Functions

A potent and selective, cell permeable inhibitor of γ -secretase that inhibits the cleavage of both amyloid precursor protein and Notch, IC₅₀s $\sim$ 3 nM. Inhibits growth and induces differentiation of neuroblastoma cells. Induces stem cell neuronal differentiation.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.