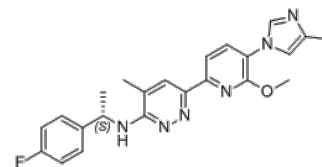


**Product Name** : BPN-15606  
**Cat. No.** : PC-35198  
**CAS No.** : 1914989-49-3  
**Molecular Formula** : C<sub>23</sub>H<sub>23</sub>FN<sub>6</sub>O  
**Molecular Weight** : 418.476  
**Target** :  $\gamma$ -secretase  
**Solubility** : 10 mM in DMSO



### Biological Activity

BPN-15606 (BPN15606) is a highly potent, orally active  **$\gamma$ -secretase** modulator (GSM), attenuates the production of A $\beta$ 42 by SHSY5Y neuroblastoma cells with IC<sub>50</sub> of 7 nM.

BPN-15606 does not affect Notch cleavage at 25  $\mu$ M.

BPN-15606 displays the ability to significantly lower A $\beta$ 42 levels in the central nervous system of rats and mice at doses as low as 5-10 mg/kg.

BPN-15606 significantly reduces A $\beta$  neuritic plaque load in an AD transgenic mouse model, and significantly reduces levels of insoluble A $\beta$ 42 and pThr181 tau in a three-dimensional human neural cell culture model.

### References

Wagner SL, et al. *J Pharmacol Exp Ther.* 2017 Jul;362(1):31-44.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com