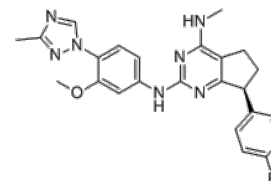


**Product Name** : BMS-932481  
**Cat. No.** : PC-36082  
**CAS No.** : 1263871-36-8  
**Molecular Formula** : C<sub>24</sub>H<sub>24</sub>FN<sub>7</sub>O  
**Molecular Weight** : 445.502  
**Target** :  $\gamma$ -secretase  
**Solubility** : 10 mM in DMSO



## Biological Activity

BMS-932481 (BMS932481) is a potent, selective, orally active  $\gamma$ -secretase modulator (GSM), shows selectivity for A $\beta$ 40 and A $\beta$ 42 reduction (IC<sub>50</sub>=6.6 nM) while sparing total A $\beta$  levels both in vitro and in vivo.

BMS-932481 showed robust reductions of A $\beta$ 1-42 and A $\beta$ 1-40 in the plasma, brain, and cerebrospinal fluid of mice and rats.

Consistent with the  $\gamma$ -secretase modulator mechanism, increases in A $\beta$ 1-37 and A $\beta$ 1-38 were observed, with no change in the total amount of A $\beta$ 1-x produced.

## References

Soares HD, et al. *J Pharmacol Exp Ther.* 2016 Jul;358(1):138-50.

Toyn JH, et al. *J Pharmacol Exp Ther.* 2016 Jul;358(1):125-37.

Kenneth M. Boy, et al. *ACS Med. Chem. Lett.*, February 17, 2019. DOI: 10.1021/acsmchemlett.8b00541.

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

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