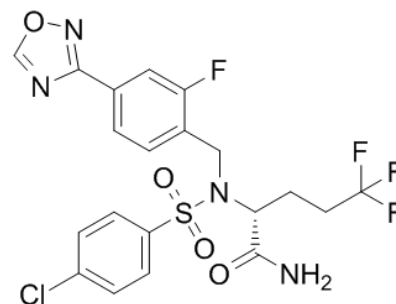


**Product Name** : BMS-708163  
**Cat. No.** : PC-45867  
**CAS No.** : 1146699-66-2  
**Molecular Formula** : C<sub>20</sub>H<sub>17</sub>ClF<sub>4</sub>N<sub>4</sub>O<sub>4</sub>S  
**Molecular Weight** : 520.885  
**Target** :  $\gamma$ -secretase  
**Solubility** : 10 mM in DMSO



## Biological Activity

Avagacestat (BMS-708163) is a potent, selective and orally bioavailable inhibitor of  **$\gamma$ -secretase** with A $\beta$ 40 IC<sub>50</sub> of 3.0 nM. Avagacestat (BMS-708163) demonstrates 193-fold selectivity against Notch. Avagacestat (BMS-708163) significantly reduced A $\beta$ 40 levels for sustained periods in brain, plasma, and cerebrospinal fluid in rats and dogs.

## References

- Gillman KW, et al. *ACS Med Chem Lett*. 2010 Mar 22;1(3):120-4.  
Albright CF, et al. *J Pharmacol Exp Ther*. 2013 Mar;344(3):686-95.  
Mitani Y, et al. *J Neurosci*. 2012 Feb 8;32(6):2037-50.

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

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