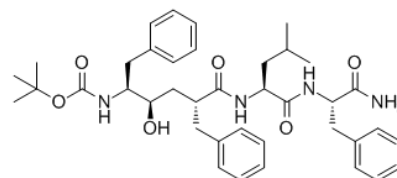


**Product Name** : L-685458  
**Cat. No.** : PC-45626  
**CAS No.** : 292632-98-5  
**Molecular Formula** : C<sub>39</sub>H<sub>52</sub>N<sub>4</sub>O<sub>6</sub>  
**Molecular Weight** : 672.8534  
**Target** :  $\gamma$ -secretase  
**Solubility** : DMSO:  $\geq$  31 mg/mL



## Biological Activity

A potent inhibitor of amyloid  $\beta$ -protein precursor gamma-secretase activity (IC<sub>50</sub>=14 nM); shows similar potency for inhibition of A beta(42) and A beta(40) peptides.

## References

Shearman MS, et al. *Biochemistry*. 2000 Aug 1;39(30):8698-704.

Pozdnyakov N, et al. *J Biol Chem*. 2013 Apr 5;288(14):9710-20.

Liu F, et al. *Eur J Neurosci*. 2013 May;37(10):1714-25.

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

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