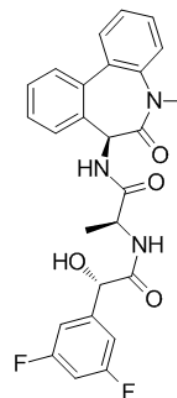


Product Name : LY-411575
Cat. No. : PC-45860
CAS No. : 209984-57-6
Molecular Formula : $C_{26}H_{23}F_2N_3O_4$
Molecular Weight : 479.4753
Target : γ -secretase
Solubility : 10 mM in DMSO



Biological Activity

LY-411575 is a potent **γ-secretase** inhibitor that has an IC50 value of 119 pM for reduction of Aβ levels in APP-transfected cell lines.

LY-411575 dose dependently reduces A β (1-40) and A β (1-42) in the brain, CSF, and plasma of Tg2576 mice.

LY-411575 reduces cortical Abeta(40) in young transgenic CRND8 mice with ED50 of 0.6 mg/kg, and produces significant thymus atrophy and intestinal goblet cell hyperplasia at higher doses (>3 mg/kg).

References

Lanz TA, et al. J Pharmacol Exp Ther. 2004 Apr;309(1):49-55.

Best JD, et al. J Pharmacol Exp Ther. 2005 May;313(2):902-8.

Hyde LA, et al. J Pharmacol Exp Ther. 2006 Dec;319(3):1133-43.

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

E-mail: tech@probechem.com