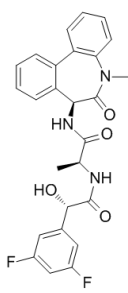


Product Name	: LY-411575	
Synonyms	: LY411575; LY 411575	
Cat No.	: M13327	
CAS Number	: 209984-57-6	
Molecular Formula	: C ₂₆ H ₂₃ F ₂ N ₃ O ₄	
Formula Weight	: 479.48	
Chemical Name	Benzeneacetamide, N-[(1S)-2-[[[(7S)-6,7-dihydro-5-methyl-6-oxo-5H-dibenz[b,d]azepin-7-yl]amino]-1-methyl-2-oxoethyl]-3,5-difluoro-α-hydroxy-, (.α.S)-	
Description	A potent γ-secretase inhibitor that has an IC ₅₀ value of 119 pM for reduction of Aβ levels in APP-transfected cell lines; dose dependently reduces Aβ(1-40) and Aβ(1-42) in the brain, CSF, and plasma of Tg2576 mice; reduces cortical Abeta(40) in young transgenic CRND8 mice with ED ₅₀ of 0.6 mg/kg, and produces significant thymus atrophy and intestinal goblet cell hyperplasia at higher doses (>3 mg/kg). Alzheimer's Disease Preclinical	
Pathway	: Wnt/Notch/Hedgehog	
Target	: γ-secretase	
Receptor	: NotchS3cleavage;γsecretase(cell-based);γsecretase(membrane-based)	
Solubility	: 10 mM in DMSO	
SMILES	: <chem>C[C@@H](C(N[C@@H]1C2=CC=CC=C2C3=CC=CC=C3N(C)C1=O)=O)NC([C@@H](C4=CC(F)=CC(F)=C4)O)=O</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Lanz TA, et al. J Pharmacol Exp Ther. 2004 Apr;309(1):49-55. | 2. Best JD, et al. J Pharmacol Exp Ther. 2005 May;313(2):902-8. | 3. Hyde LA, et al. J Pharmacol Exp Ther. 2006 Dec;319(3):1133-43.