
LY411575

产品编号: D50753

CAS: 209984-57-6

分子式: C₂₆H₂₃F₂N₃O₄

纯度: ≥98%

InChi: InChi=1S/C₂₆H₂₃F₂N₃O₄/c1-14(29-25(34)23(32)15-11-16(27)13-17(28)12-15)24(33)30-22-20-9-4-3-7-18(20)19-8-5-6-10-21(19)31(2)26(22)35/h3-14,22-23,32H,1-2H3,(H,29,34)(H,30,33)/t14-,22-,23-/m0/s1

InChi Key: ULSSJYNJIZWPSB-CVRXJBIPSA-N

Smiles: C[C@H](NC(=O)[C@@H](O)C1=CC(F)=CC(F)=C1)C(=O)N[C@@H]1C(=O)N(C)C2=CC=CC=C2C2=CC=CC=C21

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 100mM

保存条件: Store in dry, dark place for one year.

产品介绍: LY411575 is a highly potent, selective, and orally bioavailable inhibitor of gamma secretase with an IC₅₀ of ~0.1 nM for APP23 and APP51/16 in primary neurons. It has been shown to promote goblet cell differentiation in mouse intestine. LY411575 has also been observed to promote neural differentiation of mouse embryonic stem (ES) cells. In recent studies, LY411575 increased hair cell number in organ of Corti explants. Systemic LY411575 administration increased hair cell number and promoted hearing recovery in a noise-damaged cochlea, but local LY411575 administration promoted hearing recovery through transdifferentiation of supporting cells into hair cells after noise-induced hearing loss in the mature cochlea.