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DAPT

产品编号: D50720

CAS: 208255-80-5

分子式: C23H26F2N2O4

纯度: ≥98%

InChi: InChI=1S/C23H26F2N2O4/c1-14(26-19(28)12-15-10-17(24)13-18(25)11-15)21(29)27-20(16-8-6-5-7-9-16)22(30)31-23(2,3)4/h5-11,13-14,20H,12H2,1-4H3,(H,26,28)(H,27,29)/t14-,20?/m0/s1

InChi Key: DWJXYEABWRJFSP-PVCZSOGJSA-N

Smiles: C[C@H](NC(=O)CC1C=C(F)C=C(F)C=1)C(=O)NC(C(=O)OC(C)(C)C)C1C=CC=CC=1

外观: 固体粉末

作用通路: Amyloid-β

溶解性: DMSO up to 100 mM

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

产品介绍: DAPT is a widely used γ-secretase inhibitor and serves as an inhibitor of Notch, a γ-secretase substrate. It can also cause a reduction in Aβ40 and Aβ42 levels in human primary neuronal cells (IC50 ~115 nM for total Aβ and ~200 nM for Aβ42) and in brain extracts, as well as in vivo. Since the Notch pathway is involved in development of many cell types, DAPT is used to modulate Notch activity in ESC/iPSC or adult stem cell differentiation studies.