

Product Name	: DAPT
Synonyms	: GSI-IX
Cat No.	: M13243
CAS Number	: 208255-80-5
Molecular Formula	: C ₂₃ H ₂₆ F ₂ N ₂ O ₄
Formula Weight	: 432.46
Chemical Name	: tert-butyl (S)-2-((S)-2-(2-(3,5-difluorophenyl)acetamido)propanamido)-2-phenylacetate
Description	: DAPT (GSI-IX) is a novel γ-secretase inhibitor, which inhibits Aβ production with IC ₅₀ of 20 nM in HEK 293 cells.
Pathway	: Neuroscience
Target	: Gamma-secretase
Receptor	: γ secretase(Aβ)
Solubility	: Ethanol: 50 mg/mL (115.61 mM); DMSO: 86 mg/mL (198.86 mM)
SMILES	: <chem>O=C(OC(C)(C)C)[C@H](C1=CC=CC=C1)NC([C@H](C)NC(CC=CC(F)=CC(F)=C2)=O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Dovey HF, et al. J Neurochem. 2001, 76(1), 173-18