

Product Name	: BMS-299897
Synonyms	: BMS 299897;BMS299897
Cat No.	: M13893
CAS Number	: 290315-45-6
Molecular Formula	: C ₂₄ H ₂₁ ClF ₃ NO ₄ S
Formula Weight	: 511.94
Chemical Name	: Benzenebutanoic acid, 2-[(1R)-1-[[[4-chlorophenyl)sulfonyl](2,5-difluorophenyl)amino]ethyl]-5-fluoro-
Description	: A potent γ-secretase inhibitor that preferentially inhibits cleavage of the APP CTF cleavage with IC ₅₀ of 7.1 nM; 15-fold lower IC ₅₀ value for Notch-1 cleavage (IC ₅₀ =105.9 nM) in vitro; alleviates Aβ ₁₋₄₂ seeding and short-term memory deficits in the Aβ ₂₅₋₃₅ mouse model of Alzheimer's disease. Alzheimer's Disease Discontinued
Pathway	: Wnt/Notch/Hedgehog
Target	: γ-secretase
Receptor	: γ-secretase
Solubility	: DMSO: ≥ 30 mg/mL
SMILES	: <chem>O=C(O)CCCC1=CC(F)=CC=C1[C@H](N(C2=CC(F)=CC=C2F)S(=O)(=O)C3=CC=C(Cl)C=C3)O)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Barten DM, et al. J Pharmacol Exp Ther. 2005 Feb;312(2):635-43. 2. Meunier J, et al. Eur J Pharmacol. 2013 Jan 5;698(1-3):193-9. 3. Goldstein ME, et al. J Pharmacol Exp Ther. 2007 Oct;323(1):102-8.

