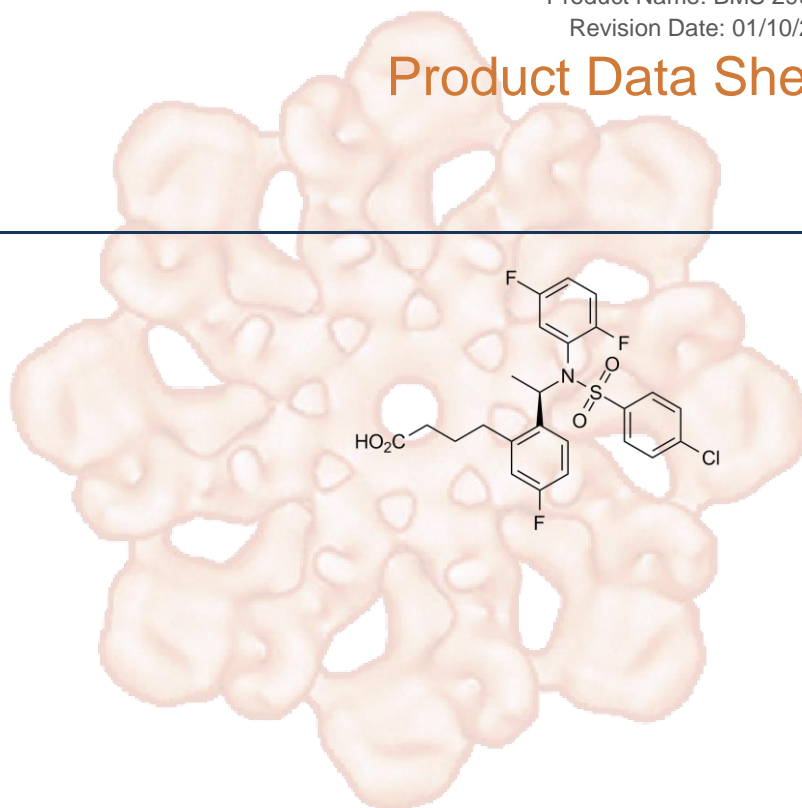


Product Data Sheet

BMS 299897

Cat. No.:	A4400
CAS No.:	290315-45-6
Formula:	C ₂₄ H ₂₁ ClF ₃ NO ₄ S
M.Wt:	511.94
Synonyms:	
Target:	Proteases
Pathway:	Gamma Secretase
Storage:	Store at -20°C



Solvent & Solubility

Soluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		1.9534 mL	9.7668 mL	19.5335 mL
	5 mM		0.3907 mL	1.9534 mL	3.9067 mL
	10 mM		0.1953 mL	0.9767 mL	1.9534 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

 γ -secretase inhibitor, potent and orally activeIC₅₀ & Target12 nM (γ -secretase)

In Vitro

Cell Viability Assay

Cell Line:	HEKwt culture
Preparation method:	The solubility of this compound in DMSO is > 10 mM. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several months.
Reacting conditions:	0.01 ~ 10000 nM
Applications:	When tested HEKwt culture with BMS-299897, the expression of A β -(1-40) in

culture supernatant had a robust rise due to γ -secretase inhibition.

Animal experiment

Animal models: APP-YAC mice

Dosage form: 1.5 ~ 150 mg/kg; p.o.

Applications: In APP-YAC mice, BMS 299897 dose-dependently reduced brain and plasma A β .

Other notes: Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

In Vivo

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Burton CR, Meredith JE, Barten DM, Goldstein ME, Krause CM, Kieras CJ, Sisk L, Iben LG, Polson C, Thompson MW, Lin XA, Corsa J, Fiedler T, Pierdomenico M, Cao Y, Roach AH, Cantone JL, Ford MJ, Drexler DM, Olson RE, Yang MG, Bergstrom CP, McElhone KE, Bronson JJ, Macor JE, Blat Y, Grafstrom RH, Stern AM, Seiffert DA, Zaczek R, Albright CF, Toyn JH. The amyloid-beta rise and gamma-secretase inhibitor potency depend on the level of substrate expression. *J Biol Chem.* 2008 Aug 22;283(34):22992-3003.

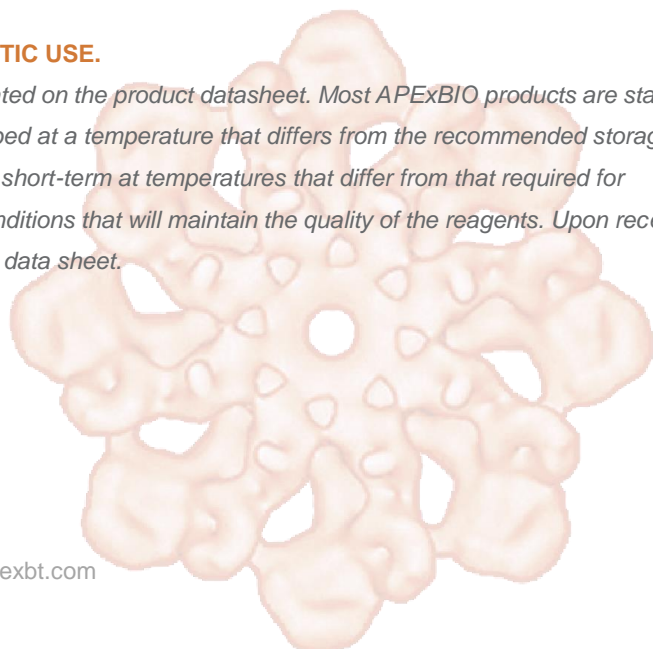
[2]. Anderson JJ, Holtz G, Baskin PP, Turner M, Rowe B, Wang B, Kounnas MZ, Lamb BT, Barten D, Felsenstein K, McDonald I, Srinivasan K, Munoz B, Wagner SL. Reductions in beta-amyloid concentrations in vivo by the gamma-secretase inhibitors BMS-289948 and BMS-299897. *Biochem Pharmacol.* 2005 Feb 15;69(4):689-98.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX^{BIO} products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.



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