

---

## BMS-708163 (Avagacestat)

产品编号: D50728

CAS: 1146699-66-2

分子式: C<sub>20</sub>H<sub>17</sub>ClF<sub>4</sub>N<sub>4</sub>O<sub>4</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>20</sub>H<sub>17</sub>ClF<sub>4</sub>N<sub>4</sub>O<sub>4</sub>S/c21-14-3-5-15(6-4-14)34(31,32)29(17(18(26)30)7-8-20(23,24)25)  
10-13-2-1-12(9-16(13)22)19-27-11-33-28-19/h1-6,9,11,17H,7-8,10H<sub>2</sub>, (H<sub>2</sub>,26,30)/t17-/m1/s1

InChi Key: XEAOPVUAMONVLA-QGZVFWFLSA-N

Smiles: NC(=O)[C@@H](CCC(F)(F)F)N(CC1C=CC(=CC=1F)C1=NOC=N1)S(=O)(=O)C1C=CC(Cl)=CC=1

外观: 固体粉末

作用通路: Notch

溶解性: DMSO up to 100 mM

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

产品介绍: BMS-708163 (Avagacestat) is a potent, selective and orally bioavailable  $\gamma$ -secretase inhibitor with an IC<sub>50</sub> of 0.3 nM for APP cleavage. It is 190-fold more selective for APP than Notch, having an IC<sub>50</sub> of 58 nM for Notch. Phase I clinical trial studies showed that in humans, BMS-708163 decreased CSF A $\beta$ <sub>40</sub> and A $\beta$ <sub>42</sub> approximately 30% following daily dose of 100 mg after 28 days and by 60% at daily dose of 150 mg.