



Data Sheet

Research Use Only

Compound Name

LY411575

Catalog Number

SM25

Activity

LY411575 is a potent gamma secretase inhibitor. It is able to block Notch activation and reduces A beta/42 post treatment (acute or chronic).

Purity

>98%

Formula

$C_{26}H_{23}F_2N_3O_4$

Solubility

DMSO

Alternative Names

LY-411575, LY 411575, LSN-411575, N-2((2S)-2-(3,5-difluorophenyl)-2-hydroxyethanoyl)-N1-((7S)-5-methyl-6-oxo-6,7-dihydro-5H-dibenzo[b,d]azepin-7-yl)-l-alaninamide

Effect

Notch signaling is a pathway known to regulate both differentiation and proliferation of cells in diverse adult tissues. LY411575 has been shown to promote goblet cell differentiation in mice intestine. It has also been observed to promote neural differentiation of mouse embryonic stem cells (ESC).

CAS

209984-57-6

Molecular Weight

479.48

Stability

Stable at -20°C. Keep away from direct sunlight.

References

1. Curry, CL., et al. 2005. Oncogene. 24(42): 6333-6344. PMID: 15940249
2. Abranches, E., et al. 2009. PLoS One. 4(7): e6286. PMID: 19621087