

产品名称:

N-[(2R,4R,5S)-5-[[[(1,1-Dimethylethoxy)carbonyl]amino]-4-hydroxy-1-oxo-6-phenyl-2-(phenylmethyl)hexy

产品别名: **L-685458**

生物活性:					
Description	L-685458 is a potent inhibitor of Amyloid β-Protein precursor γ-secretase activity with IC50 of 17 nM, shows greater than 50-100-fold selectivity over other aspartyl proteases tested. IC50 value: 17 nM Target: γ-secretase in vitro: L-685458 is a Notch inhibitor. L-685458 blocks Notch activation in the two cell lines in terms of reduced cytoplasmic distribution and almost diminished nuclear labelling of Hes1 proteins. [2] L-685458 is a γ-secretase inhibitor. [3]				
	In Vitro: DMSO : 83.3 mg/mL (123.80 mM; Need ultrasonic and warming)				
Solvent&Solubility	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	1.4862 mL	7.4311 mL	14.8622 mL
		5 mM	0.2972 mL	1.4862 mL	2.9724 mL
		10 mM	0.1486 mL	0.7431 mL	1.4862 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液。一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。 储备液的保存方式和期限：-80℃，6 months; -20℃，1 month。-80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。				
References	[1]. Shearman MS, et al. L-685,458, an aspartyl protease transition state mimic, is a potent inhibitor of amyloid beta-protein precursor gamma-secretase activity. Biochemistry. 2000 Aug 1;39(30):8698-8704.				
	[2]. Zhang P, et al. Biological significance and therapeutic implication of resveratrol-inhibited Wnt, Notch and STAT3 signaling in cervical cancer cells. Genes Cancer. 2014 May;5(5-6):154-164.				
	[3]. Jeon JH, et al. Glucosamine-induced OGT activation mediates glucose production through cleaved Notch1 and FoxO1, which coordinately contributed to the regulation of maintenance of self-renewal in mouse embryonic stem cells. Stem Cells Dev. 2014 Sep 1;23(17):2067-2079.				