Product Data Sheet

Cas No.:	1423821-88-8	Cat. No:	PL05946
Product Name:	Tat-beclin 1		
Product synonym:	-		
Chemical name:	Tat-beclin 1		
MF:	-	FW:	-
Purity:	≥99%	Batch No.:	-
Storage:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	-		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Tat-beclin 1 是一种自噬蛋白区域 (beclin 1) 衍生的肽，是自噬 (autophagy) 的有效诱导剂，并与自噬的负调控因子 GAPR-1 (GLIPR2) 相互作用。Tat-beclin 1 减少了体外聚谷氨酰胺扩增蛋白聚集物的积累和多种病原体(包括 HIV-1) 的复制，并降低了感染基孔肯雅病 (CHIKV) 或西尼罗河病毒 (WNV) 的小鼠的死亡率。

生物活性	Tat-beclin 1, a peptide derived from a region of the autophagy protein (beclin 1), is a potent inducer of autophagy and interacts with negative regulator of autophagy, GAPR-1 (GLIPR2). Tat-beclin 1 decreases the accumulation of polyglutamine expansion protein aggregates and the replication of several pathogens (including HIV-1) in vitro, and reduces mortality in mice infected with chikungunya (CHIKV) or West Nile virus (WNV).
IC50 & Target[1][2]	HIV-1
体外研究(In Vitro)	Tat-beclin 1 (10, 30, 50 μM; 24 hours) induces autophagy and results in a dose-dependent decrease in amounts of p62, a selective autophagy substrate, and a dose-dependent conversion of the non-lipidated form of LC3, LC3-I, to the lipidated, autophagosome-associated form of LC3, LC3-II, in multiple cell lines and primary murine embryonic fibroblasts (MEFs). Tat-beclin 1 (10 μM; 2-4 hours post-infection) decreases the intracellular survival of L. monocytogenes in primary murine bone-marrow-derived macrophages (BMDMs). has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Tat-beclin 1 (15 mg/kg; i.p.; daily; beginning 1 day post-infection for 20 days) can induce autophagy in peripheral tissues in adult mice as well as in the central nervous system of neonatal mice (6-week-old GFP-LC3 mice). has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Sealed storage, away from moisturePowder -80°C 2 years；-20°C 1 year
溶解度数据	In Vitro: H_2O : 25 mg/mL (6.68 mM; Need ultrasonic)配制储备液