

Product Data Sheet

Cas No.:		Cat. No:	PL11164
Product Name:	AMY-101 acetate		
Product synonym:	-		
Chemical name:	AMY-101 acetate		
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

AMY-101 acetate (Cp40 acetate) 是补体 C3 的肽类抑制剂 (KD = 0.5 nM)，可抑制非人类灵长类动物自然发生的牙周炎。AMY-101 acetate (Cp40 acetate) 在 COVID-19 重症肺炎合并全身超炎症模型中具有良好的抗炎活性。

生物活性	AMY-101 acetate (Cp40 acetate), a peptidic inhibitor of the central complement component C3 (K D = 0.5 nM), inhibits naturally occurring periodontitis in non-human primates (NHPs). AMY-101 acetate (Cp40 acetate) exhibits a favorable anti-inflammatory activity in models with COVID-19 severe pneumonia with systemic hyper inflammation.
IC50 & Target[1][2]	KD: 0.5 nM (C3).
体内研究(In Vivo)	AMY-101 can improve the periodontal condition of NHPs with natural chronic periodontitis. AMY-101 can induce a long-lasting anti-inflammatory effect. AMY-101 (4 mg/kg bodyweight, subcutaneous injection. once per 24 hr for a total of 28 days) causes a significant and long-lasting reduction in PPD, an index that measures tissue destruction. AMY-101 (Cp40, 1 mg/kg, sc, injection every 12 h, daily, 7 or 14 days) attenuates fibrosis and infiltration of inflammatory cells in UUO-induced renal fibrosis. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Sealed storage, away from moisture and lightPowder -80°C 2 years; -20°C 1 year
溶解度数据	In Vitro: DMSO : 100 mg/mL (54.08 mM; Need ultrasonic)H ₂ O : 50 mg/mL (27.04 mM; Need ultrasonic)配制储备液