

Product Data Sheet

Cas No.:		Cat. No:	PL05873
Product Name:	ACTH (1-17) (TFA)		
Product synonym:	-		
Chemical name:	ACTH (1-17) (TFA)		
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

ACTH (1-17) TFA 是促肾上腺皮质激素类似物，是一种有效的人黑皮素受体 (human melanocortin 1 (MC1) receptor) 激动剂，Ki 值为 0.21 nM。

生物活性	ACTH (1-17) TFA, an adrenocorticotropin analogue, is a potent human melanocortin 1 (MC1) receptor agonist with a Ki of 0.21 nM.
IC50 & Target[1][2]	MC1R
体外研究(In Vitro)	ACTH (1-17) TFA is a potent agonist at the hMC1R. ACTH (1-17) shows high affinity for the hMC1R with a Ki value of 0.21±0.03 nM which is slightly higher than that of 0.13±0.005 nM for alpha-MSH. ACTH (1-17) induces a slight and not significant increase in growth hormone secretion even when micromolar concentrations of the peptide are employed in rat pituitary cultures. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Inhibition of DNA labeling is noted when the ACTH (1-17) is administered at 2 hr after the beginning of the daily dark span when nocturnal animals become active. When administered at this circadian stage, the larger dose in particular is associated with an inhibition of DNA labeling lasting for 24 hr. The inhibitory effect is much shorter when the same dose is injected 4 hr earlier. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Sealed storage, away from moisture and light Powder -80°C 2 years; -20°C 1 year
溶解度数据	In Vitro: H ₂ O : 100 mg/mL (45.30 mM; Need ultrasonic) 配制储备液