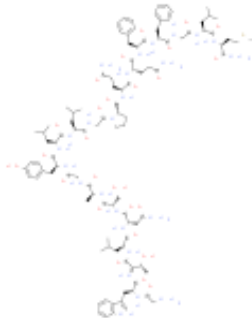


Product Data Sheet

Cas No.:	138579-66-5	Cat. No:	PL07759
Product Name:	Galantide		
Product synonym:	甘丙肽		
Chemical name:	Galantide		
MF:	C104H151N25O26S	FW:	2199.52864000001
Purity:	-	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	[GWTLSAGYLLGPQQFFGLM-NH2]		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Galantide 是一种特殊的甘丙肽受体 (galanin receptor) 拮抗剂, 是一种由甘丙肽和 P 物质片段组成的肽段, 在大鼠下丘脑可识别两类甘丙肽结合位点 (K_D 分别小于 0.1 nM 和 ~6 nM)。Galantide 剂量依赖性 ($IC_{50}=1.0$ nM) 拮抗甘丙肽介导的葡萄糖诱导的小鼠胰岛胰岛素分泌抑制。Galantide 似乎与单一的 SP 受体群结合 ($K_D \sim 40$ nM)。

生物活性	Galantide, a non-specific galanin receptor antagonist, is a peptide consisting of fragments of galanin and substance P. Galantide recognizes two classes of galanin binding sites ($K_D < 0.1$ nM and ~6 nM) in the rat hypothalamus. Galantide dose dependently ($IC_{50} = 1.0$ nM) antagonizes the galanin-mediated inhibition of the glucose-induced insulin secretion from mouse pancreatic islets. Galantide appears to bind to a single population of SP receptors ($K_D \sim 40$ nM).
体外研究(In Vitro)	Galantide do not activate the K conductance but produces a concentration-dependent antagonism ($IC_{50}=4$ nM) of the galanin-induced increase in K conductance. Galantide acts like galanin and inhibits the voltage-dependent Ba^{2+} current (IBa). The inhibition of IBa also is concentration dependent ($IC_{50}=16$ nM) and the maximum inhibition produced by galantide is approximately 40%. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	Intracerebroventricular injection of galanin (5 micrograms/rat) inhibited sexual behavior in experienced male rats--without producing any other locomotor or behavioral deficit-, injection of the galanin antagonist, galantide, by the same route (1 or 2 micrograms/rat) stimulated sexual behavior (improving arousal, motivation and performance indexes) and antagonized the effect of galanin. Galantide ameliorates mild acute pancreatitis (AP). Galantide significantly reduces AP-induced hyperenzymemia by 41–49%. Galantide has been found to improve social memory in socialrecognition test when i.c.v. administered at doses varying from 6-6000 nM. 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