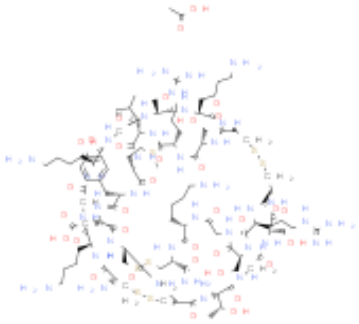
Product Data Sheet

Cas No.:	914454-03-8	Cat. No:	PL05747
Product Name:	Ziconotide acetate		
Product synonym:	醋酸齐考诺肽		
Chemical name:	Ziconotide acetate		
MF:	C104H176N36O34S7	FW:	2699.18605232239
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	C(=O)(O)C.C(C1C=CC(O)=CC=1)[C@@H]1NC(=O)[C@H](CCSC)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CO)NC(=O)[C@H]2NC([C@@H](NC([C@@H](NC(CNC([C@@H](NC(CNC([C@@H](NC([C@H](CSSC[C@H]3C(N[C@H](C(NCC(N[C@H](C(N[C@H](C(N[C@H](C(N[C@H](C(NCC(N[C@H](C(N[C@@H](CSSCC(C(N3)=O)NC(=O)[C@H](CC(=O)O)NC1=O)C(=O)N)=O)CCCCN)=O)=O)CO)=O)CCCNC(N)=N)=O)CSSC2)=O)CO)=O)=O)[C@H](O)C)=O)N)=O)CCCCN)=O)=O)CCCCN)=O)=O)C)=O)CCCCN)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Ziconotide acetate (SNX-111 acetate) 是一种肽，是一种有效且选择性的 N 型钙通道 (N-type calcium channels) 拮抗剂阻断剂。Ziconotide acetate 减少突触传递，并可用于慢性疼痛研究。

生物活性	Ziconotide acetate (SNX-111 acetate), a peptide, is a potent and selective block of N-type calcium channels antagonist. Ziconotide acetate reduces synaptic transmission, and can be used for chronic pain research.
IC50 & Target[1][2]	N-type calcium channel

体外研究(In Vitro)	Most native cells express a variety of different calcium channels and as a result, Ziconotide acetate only partially reduces high-voltage-activated calcium currents in differentiated human neuroblastoma IMR32 cells, rat superior cervical ganglion neurons, and rat hippocampal neurons. Ziconotide acetate also reduces calcium currents that result from expression of the α1B subunit in HEK cells, tsa-201 cells, and Xenopus laevis oocytes. Ziconotide acetate delivers its antinociceptive efficacy by reducing the release of pronociceptive neurotransmitters in the dorsal horn of the spinal cord, thereby inhibiting pain signal transmission. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Ziconotide (i.t.; 25-100 pmol/site; 5 μL; on the 4 th, 10 th, 15 th, 20 th, and 24 th days) acetate reduces the levels of IL-1β and IL-23 in the CNS, as well as IL-17 production in the spleen, 25 days after MOG35-55-elicited EAE, in the mouse model of experimental autoimmune encephalomyelitis (EAE). 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, under nitrogenPowder -80°C 2 years； -20°C 1 ye
溶解度数据	In Vitro: H_2O : 100 mg/mL (Need ultrasonic)DMSO : 25 mg/mL (Need ultrasonic)In Vivo: