

Ziconotide Acetate (107452-89-1 free base)

Chemical Properties

CAS No.:	914451-03-8	
Formula:	C102H172N36O32S7	CKGKGAKCSRLMYDCCTGSCRS
Molecular Weight:	2639.2	GKC-NH2 (Disulfide bridge:Cys1-Cys16; Cys8-Cys20;Cys15-Cys25)(acetate salt)
Appearance:	N/A	
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).	

Biological Description

Description	Ziconotide is an analgesic agent and has been used to treat neuropathic and non-neuropathic pain. Ziconotide acts by binding to N-type calcium channels situated on the terminal part of primary afferent neurons of the nociceptive pathway therefore reducing synaptic transmission with potent antinociceptive effects.
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.379 mL	1.895 mL	3.789 mL
5 mM	0.076 mL	0.379 mL	0.758 mL
10 mM	0.038 mL	0.189 mL	0.379 mL
50 mM	0.008 mL	0.038 mL	0.076 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Brinzeu A, Berthiller J, Caillet JB, Staquet H, Mertens P. Ziconotide for spinal cord injury-related pain. Eur J Pain. 2019;23(9):1688-1700. doi:10.1002/ejp.1445

Inhibitors · Natural Compounds · Compound Libraries

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