

Ziconotide Acetate (107452-89-1 free base)

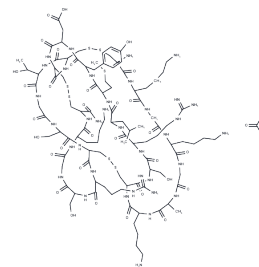
Chemical Properties

CAS No. : 914454-03-8

Formula: C102H172N36O32S7.xC2H4O2

Molecular Weight:

Storage: Store at low temperature, Keep away from moisture,
Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ziconotide Acetate (107452-89-1 free base) (Prialt) is an analgesic agent and has been used to treat neuropathic and non-neuropathic pain. Ziconotide Acetate (107452-89-1 free base) 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.
Targets(IC50)	Calcium Channel

Reference

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

Dong Y, Gao Y, Xu S, et al. Closed-state inactivation and pore-blocker modulation mechanisms of human CaV2. 2. Cell Reports. 2021, 37(5): 109931.

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