



LKT Laboratories, Inc.

Ziconotide

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Product Information

Product ID Z324098

CAS No. 107452-89-1

Chemical Name

Synonym ω -Conotoxin MVIIA, SNX-111

Formula $C_{102}H_{172}N_{36}O_{32}S_7$

Formula Wt. 2639.16

Melting Point

Purity $\geq 95\%$

Solubility Soluble in 1% acetic acid (1 mg/mL), water, PBS.

Cys-Lys-Gly-Lys-Gly-Ala-Lys-
Cys-Ser-Arg-Leu-Met-Tyr-Asp-
Cys-Cys-Thr-Gly-Ser-Cys-Arg-
Ser-Gly-Lys-Cys-NH₂
(Disulfide, Cys1-Cys16, Cys20, Cys15-Cys25)

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
Z324098	100 μ g	\$199.80
Z324098	0.5 mg	\$766.80

Store Temp -20°C

Ship Temp Ambient

Description Ziconotide in an ω -conopeptide originally isolated from the venom of a marine snail. Ziconotide has been shown to prevent neuronal damage resulting from cerebral ischemia in Fischer-344 rats. Furthermore, ziconotide is a selective N-type calcium channel blocker, non-opioid analgesic.

References Valentino K, Newcomb R, Badbois T, et al. A selective N-type calcium channel antagonist protects against neuronal loss after global cerebral ischemia. *Proc Natl Acad Sci USA*. 1993 Aug 15;90(16):7894-7897. PMID: 8102803.

Pringle AK, Benham CD, Sim L, et al. Selective N-type calcium channel antagonist omega conotoxin MVIIA is neuroprotective against hypoxic neurodegeneration in organotypic hippocampal-slice cultures. *Stroke*. 1996 Nov;27(11):2124-2130. PMID: 8898826.

Berman RF, Verweij BH, Muizelaar JP. Neurobehavioral protection by the neuronal calcium channel blocker ziconotide in a model of traumatic diffuse brain injury in rats. *J Neurosurg*. 2000 Nov;93(5):821-828. PMID: 11059664.

Pope JE, Deer TR, Bruel BM, et al. Clinical uses of intrathecal therapy and its placement in the pain care algorithm. *Pain Pract*. 2016 Feb 23. doi:10.1111/papr.12438. PMID: 26914961.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.