

Conantokin-T

Cat. No.:	HY-P1287
CAS No.:	127476-26-0
Molecular Formula:	C ₁₁₀ H ₁₇₅ N ₃₁ O ₄₅ S
Molecular Weight:	2683.81
Sequence Shortening:	GE-[Gla]-[Gla]-YQKML-[Gla]-NLR-[Gla]-AEVKKNA-NH2
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Conantokin-T is a γ-carboxyglutamate-containing, N-methyl-D-aspartate (NMDA) antagonist peptidewith an IC ₅₀ value of 2 μM. Conantokin-T inhibits NMDA receptor-mediated calcium influx in central nervous system neurons. Conantokin-T can be purified from the venom of the fish-hunting cone snail, Conus tulipa ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2 μM (NMDA) ^[1]
In Vitro	Conantokin-T produces a partial antagonism of NMDA receptor function with an IC ₅₀ value of 2 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Conantokin-T induces sleep-like symptoms in young mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. J A Haack, et al. Conantokin-T. A gamma-carboxyglutamate containing peptide with N-methyl-d-aspartate antagonist activity. J Biol Chem. 1990 Apr 15;265(11):6025-9.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA