

μ-Conotoxin BullIA

Cat. No.:	HY-P5864
Molecular Formula:	C ₁₀₆ H ₁₇₂ N ₄₄ O ₃₁ S ₆
Molecular Weight:	2751.17
Sequence:	Val-Thr-Asp-Arg-Cys-Cys-Lys-Gly-Lys-Arg-Glu-Cys-Gly-Arg-Trp-Cys-Arg-Asp-His-Ser-Arg-Cys-Cys-NH ₂ (Disulfide bridge:Cys5-Cys16, Cys6-Cys22, and Cys12-Cys23)
Sequence Shortening:	VTDRCKGKRECGRWCRDHSRCC-NH ₂ (Disulfide bridge:Cys5-Cys16, Cys6-Cys22, and Cys12-Cys23)
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

μ-Conotoxin BullIA (Mu-Conotoxin BullIA) is a voltage-gated sodium channel (VGSC) blocker. μ-Conotoxin BullIA is a toxic peptide that can be obtained from the venom of Cone snails. μ-Conotoxin BullIA can be used in the study of neurological diseases^[1].

REFERENCES

[1]. Holford M, et al. Pruning nature: Biodiversity-derived discovery of novel sodium channel blocking conotoxins from *Conus bullatus*. *Toxicon*. 2009 Jan;53(1):90-8.

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

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