

α-Conotoxin RgIA

Cat. No.:	HY-P5845
CAS No.:	876728-23-3
Molecular Formula:	C ₅₉ H ₉₅ N ₂₅ O ₁₈ S ₄
Molecular Weight:	1570.8
Sequence:	Gly-Cys-Cys-Ser-Asp-Pro-Arg-Cys-Arg-Tyr-Arg-Cys-Arg (Disulfide bridge:Cys2-Cys8;Cys3-Cys12)
Sequence Shortening:	GCCSDPRCRYRCR (Disulfide bridge:Cys2-Cys8;Cys3-Cys12)
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

α-Conotoxin RgIA (α-RgIA) is a specific α9α10 nAChR antagonist. α-Conotoxin RgIA can be obtained from *Conus regius* venom. α-Conotoxin RgIA can be used in the study of neurological diseases^[1].

REFERENCES

[1]. Ellison M, et al. Alpha-RgIA: a novel conotoxin that specifically and potently blocks the alpha9alpha10 nAChR. *Biochemistry*. 2006 Feb 7;45(5):1511-7.

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

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