

α -Conotoxin GIC

Cat. No.:	HY-P5847
CAS No.:	757236-92-3
Molecular Formula:	C ₆₁ H ₉₂ N ₂₄ O ₂₀ S ₄
Molecular Weight:	1609.79
Sequence:	Gly-Cys-Cys-Ser-His-Pro-Ala-Cys-Ala-Gly-Asn-Asn-Gln-His-Ile-Cys-NH ₂ (Disulfide bridge:Cys2-Cys8;Cys3-Cys16)
Sequence Shortening:	GCCSHPACAGNNQHIC-NH ₂ (Disulfide bridge:Cys2-Cys8;Cys3-Cys16)
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 GIC is a potent and selective α 3 β 2 nicotinic antagonist with an IC ₅₀ of 1.1 nM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.1 nM (α 3 β 2), 309 nM (α 4 β 2), 755 nM (α 3 β 4), >100,000 nM (α 1 β 1 δ ?) ^[1]

REFERENCES

[1]. McIntosh JM, et al. Alpha-conotoxin GIC from *Conus geographus*, a novel peptide antagonist of nicotinic acetylcholine receptors. *J Biol Chem.* 2002 Sep 13;277(37):33610-5.

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

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