

Agitoxin-2

Cat. No.:	HY-P1282
CAS No.:	168147-41-9
Molecular Formula:	C ₁₆₉ H ₂₇₈ N ₅₄ O ₄₈ S ₈
Molecular Weight:	4090.87
Sequence Shortening:	GVPINVSGTSPQCIKPKDAGMRFKCMNRKCHCTPK (Disulfide bridge:Cys8-Cys28;Cys14-Cys33;Cys18-Cys35)
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Agitoxin-2 is a K⁺ channel inhibitor, with IC₅₀ values of 201 pM and 144 pM for mK_v1.3 and mK_v1.1, respectively^{[1][2]}.

REFERENCES

[1]. M L Garcia, et al. Purification and characterization of three inhibitors of voltage-dependent K⁺ channels from *Leiurus quinquestriatus* var. *hebraeus* venom. *Biochemistry*. 1994 Jun 7;33(22):6834-9.

[2]. Raveendra Anangi, et al. Recombinant expression of margatoxin and agitoxin-2 in *Pichia pastoris*: an efficient method for production of KV1.3 channel blockers.

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

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