

Agelenin

Cat. No.:	HY-P3655
CAS No.:	142582-60-3
Molecular Formula:	C ₁₆₀ H ₂₅₄ N ₅₂ O ₄₅ S ₆
Molecular Weight:	3815.75
Sequence Shortening:	GGCLPHNRFNALSGPRCCSGLKCKELSIWDSRCL-NH2 (Disulfide bridge:Cys3-Cys19;Cys10-Cys24;Cys18-Cys34)
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Agelenin is a polypeptide composed of 35 amino acids. Agelenin could be isolated from the Agelenidae spider *Agelena opulenta*. Agelenin has structural similarity to insect-specific calcium channel inhibitor^[1].

REFERENCES

[1]. Yamaji N, et, al. Solution structure of agelenin, an insecticidal peptide isolated from the spider *Agelena opulenta*, and its structural similarities to insect-specific calcium channel inhibitors. *FEBS Lett.* 2007 Aug 7;581(20):3789-94.

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

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