

Aeschna defensin

Cat. No.:	HY-P5630
Molecular Formula:	C ₁₇₃ H ₂₆₇ N ₅₅ O ₅₂ S ₇
Molecular Weight:	4173.76
Sequence:	Gly-Phe-Gly-Cys-Pro-Leu-Asp-Gln-Met-Gln-Cys-His-Arg-His-Cys-Gln-Thr-Ile-Thr-Gly-Arg-Ser-Gly-Gly-Tyr-Cys-Ser-Gly-Pro-Leu-Lys-Leu-Thr-Cys-Thr-Cys-Tyr-Arg (Disulfide bridge:C4-C26; C11-C34; C15-C36)
Sequence Shortening:	GFGPLDQMCHRHCQTITGRSGGYCSGPLKLTCTCYR (Disulfide bridge:C4-C26; C11-C34; C15-C36)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Aeschna defensin is an antimicrobial peptide derived from hemolymph of dragonfly aquatic larvae. Aeschna defensin has strong activity against gram-positive bacteria^[1].

REFERENCES

[1]. Bulet P, et al. A novel insect defensin mediates the inducible antibacterial activity in larvae of the dragonfly *Aeschna cyanea* (Paleoptera, Odonata). *Eur J Biochem.* 1992 Nov 1;209(3):977-84.

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

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