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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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AtPep1

Cat. No.:	HY-P10400
CAS No.:	902781-11-7
Molecular Formula:	C ₁₀₄ H ₁₈₃ N ₃₉ O ₃₂
Molecular Weight:	2491.81
Sequence:	Ala-Thr-Lys-Val-Lys-Ala-Lys-Gln-Arg-Gly-Lys-Glu-Lys-Val-Ser-Ser-Gly-Arg-Pro-Gly-Gln-His-Asn
Sequence Shortening:	ATKVKAKQRGKEKVSSGRPGQHN
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

AtPep1 is a plant elicitor peptide. AtPep1 activates transcription of the defensive gene defensin (PDF1.2) and activates the synthesis of H₂O₂, which are components of the innate immune response against pathogens. AtPep1 can be isolated from extracts of Arabidopsis leaves^{[1][2]}.

REFERENCES

[1]. Huffaker A, Pearce G, Ryan CA. An endogenous peptide signal in Arabidopsis activates components of the innate immune response. Proc Natl Acad Sci U S A. 2006 Jun 27;103(26):10098-103.

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

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