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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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AIP-II

Cat. No.:	HY-P10486
CAS No.:	200010-31-7
Molecular Formula:	C ₃₈ H ₅₈ N ₁₀ O ₁₂ S
Molecular Weight:	878.99
Sequence:	Gly-Val-Asn-Ala-Cys-Ser-Ser-Leu-Phe (sulfide bridge: Cys5-Phe9)
Sequence Shortening:	GVNACSSLF (sulfide bridge: Cys5-Phe9)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

AIP-II is a macrocyclic peptide signaling molecule used for quorum sensing, which can be produced by *Staphylococcus aureus*. AIP-II binds to AgrC-II receptor, regulates the virulence gene expression in *Staphylococcus aureus*. AIP-II is an antagonist for AgrC-I receptor^[1].

REFERENCES

[1]. Tal-Gan Y, et al., Structural characterization of native autoinducing peptides and abiotic analogues reveals key features essential for activation and inhibition of an AgrC quorum sensing receptor in *Staphylococcus aureus*. *J Am Chem Soc.* 2013 Dec 11;135(49):18436-44.

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

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