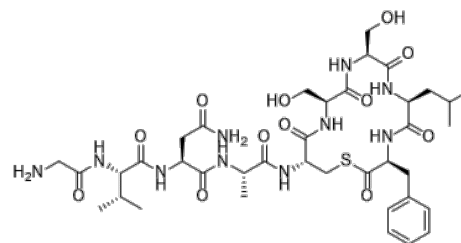


Product Name : AIP-II
Cat. No. : PC-26865
CAS No. : 200010-31-7
Molecular Formula : C₃₈H₅₈N₁₀O₁₂S
Molecular Weight : 878.99
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

AIP-II is a peptidomimetic inhibitor of staphylococcus aureus AgrC quorum sensing receptors, inhibits AgrC-III in methicillin-resistant type III Staphylococcus aureus strain AH1747 with IC₅₀ of 0.532 nM, binds to the AgrC-II receptor and regulates virulence gene expression in Staphylococcus aureus.

References

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Olson ME, et al. J Bacteriol. 2014 Oct;196(19):3482-93.
Brown MM, et al. Antimicrob Agents Chemother. 2020 May 21;64(6):e00172-20.
Vasquez JK, et al. Chembiochem. 2017 Feb 16;18(4):413-423.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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