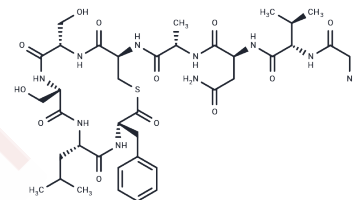


## AIP-II

## Chemical Properties

CAS No. :	200010-31-7
Formula:	C <sub>38</sub> H <sub>58</sub> N <sub>10</sub> O <sub>12</sub> S
Molecular Weight:	878.99
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	AIP-II is a macrocyclic peptide signaling molecule produced by <i>Staphylococcus aureus</i> for quorum sensing. It binds to the AgrC-II receptor, regulating the expression of virulence genes within <i>Staphylococcus aureus</i> . Additionally, AIP-II acts as an antagonist to the AgrC-I receptor.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1377 mL	5.6883 mL	11.3767 mL
5 mM	0.2275 mL	1.1377 mL	2.2753 mL
10 mM	0.1138 mL	0.5688 mL	1.1377 mL
50 mM	0.0228 mL	0.1138 mL	0.2275 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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