

## SYNV-cyclo(CGIFY)

<b>Cat. No.:</b>	HY-P4820
<b>Molecular Formula:</b>	C <sub>46</sub> H <sub>58</sub> N <sub>10</sub> O <sub>13</sub> S
<b>Molecular Weight:</b>	991.08
<b>Sequence:</b>	Ser-Tyr-Asn-Val-cyclo(Cys-Gly-Gly-Tyr-Phe)
<b>Sequence Shortening:</b>	SYNV-cyclo(CGIFY)
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

SYNV-cyclo(CGIFY) is a Staphylococcus hominis (S. hominis) C5 autoinducing peptide. SYNV-cyclo(CGIFY) inhibits S. aureus activity. SYNV-cyclo(CGIFY) has the potential for the research of S. aureus-mediated epithelial damage and inflammation<sup>[1]</sup>.

### REFERENCES

[1]. Williams MR, et al. Quorum sensing between bacterial species on the skin protects against epidermal injury in atopic dermatitis. Sci Transl Med. 2019 May 1;11(490):eaat8329.

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

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