

## Citrullinated LL-37 5cit

<b>Cat. No.:</b>	HY-P5838
<b>Molecular Formula:</b>	C <sub>199</sub> H <sub>324</sub> N <sub>52</sub> O <sub>56</sub>
<b>Molecular Weight:</b>	4341.02
<b>Sequence:</b>	Leu-Leu-Gly-Asp-Phe-Phe-{Cit}-Lys-Ser-Lys-Glu-Lys-Ile-Gly-Lys-Glu-Phe-Lys-{Cit}-Ile-V al-Gln-{Cit}-Ile-Lys-Asp-Phe-Leu-{Cit}-Asn-Leu-Val-Pro-{Cit}-Thr-Glu-Ser
<b>Sequence Shortening:</b>	LLGDFF-{Cit}-KSKEKIGKEFK-{Cit}-IVQ-{Cit}-IKDFL-{Cit}-NLVP-{Cit}-TES
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Citrullinated LL-37 5cit is a citrullinated LL-37 (HY-P1222) peptide. The antiviral and antibacterial effects of Citrullinated LL-37 5cit are significantly reduced compared to native LL-37. Citrullinated LL-37 5cit is unable to reduce LPS-mediated release of TNF- $\alpha$  due to a lack of LPS-binding capacity<sup>[1]</sup>.

### REFERENCES

[1]. Casanova V, et al. Citrullination Alters the Antiviral and Immunomodulatory Activities of the Human Cathelicidin LL-37 During Rhinovirus Infection. *Front Immunol.* 2020 Feb 4;11:85.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA