

## Citrullinated LL-37 2cit

Cat. No.:	HY-P5837
Molecular Formula:	C <sub>205</sub> H <sub>338</sub> N <sub>58</sub> O <sub>55</sub>
Molecular Weight:	4495.23
Sequence:	Leu-Leu-Gly-Asp-Phe-Phe-{Cit}-Lys-Ser-Lys-Glu-Lys-Ile-Gly-Lys-Glu-Phe-Lys-{Cit}-Ile-V al-Gln-Arg-Ile-Lys-Asp-Phe-Leu-Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser
Sequence Shortening:	LLGDFF-{Cit}-KSKEKIGKEFK-{Cit}-IVQRIKDFLRNLVPRTES
Target:	Interleukin Related; Enterovirus
Pathway:	Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Citrullinated LL-37 2cit is a citrullinated LL-37 (HY-P1222) peptide. Citrullinated LL-37 2cit reduces LL-37 activity against HRV at 10 µg/mL and reduces the antibacterial effect of LL-37. Citrullinated LL-37 2cit causes a reduction in the levels of IL-8, CCL5, and IL-6 mRNA induced by RV1B. Citrullinated LL-37 2cit shows a moderate loss in the ability to reduce HRV-induced CCL5 secretion <sup>[1]</sup> .
IC <sub>50</sub> & Target	Human rhinovirus <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.**

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