Citrullinated LL-37 1cit

Cat. No.:	HY-P5836
Molecular Formula:	C ₂₀₅ H ₃₃₉ N ₅₉ O ₅₄
Molecular Weight:	4494.25
Sequence:	Leu-Leu-Gly-Asp-Phe-Phe-{Cit}-Lys-Ser-Lys-Glu-Lys-Ile-Gly-Lys-Glu-Phe-Lys-Arg-Ile-Va l-Gln-Arg-Ile-Lys-Asp-Phe-Leu-Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser
Sequence Shortening:	LLGDFF-{Cit}-KSKEKIGKEFKRIVQRIKDFLRNLVPRTES
Target:	Interleukin Related; Bacterial; Enterovirus
Pathway:	Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY	
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Description	Citrullinated LL-37 1cit is a citrullinated LL-37 (HY-P1222) peptide. Citrullinated LL-37 1cit does not alter the antiviral effect of LL-37 toward human rhinovirus. Citrullinated LL-37 1cit shows antibacterial activity toward S. aureus. Citrullinated LL-37 1cit causes a reduction in the levels of IL-8, CCL5, and IL-6 mRNA induced by RV1B ^[1] .
IC ₅₀ & Target	Human rhinovirus, S. aureus ^[1]

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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Product Data Sheet

