

Citrullinated LL-37 3cit

Cat. No.:	HY-P5842
Molecular Formula:	C ₂₀₅ H ₃₃₇ N ₅₇ O ₅₆
Molecular Weight:	4496.22
Sequence:	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-Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser
Sequence Shortening:	LLGDFF-{Cit}-KSKEKIGKEFK-{Cit}-IVQ-{Cit}-IKDFLRNLPRTES
Target:	Bacterial; Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Citrullinated LL-37 3cit is a host defense peptide (HDP) with broad immunomodulatory and antimicrobial activities. Citrullinated LL-37 3cit exhibits direct antiviral effects against human rhinoviruses (HRV) ^[1] .
IC₅₀ & Target	HRV, Bacteria ^[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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