

Citrullinated LL-37 4cit

Cat. No.:	HY-P5843
Molecular Formula:	C ₂₀₅ H ₃₃₆ N ₅₆ O ₅₇
Molecular Weight:	4497.2
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-{Cit}-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser
Sequence Shortening:	LLGDFF-{Cit}-KSKEKIGKEFK-{Cit}-IVQ-{Cit}-IKDFL-{Cit}-NLVPRTES
Target:	Enterovirus
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 citrullinated LL-37 (HY-P1222) peptide. Citrullinated LL-37 3cit lacks all antiviral activity at 10 μg/mL and retains some activity against HRV at 30 μg/mL. Citrullinated LL-37 3cit reduces the immunomodulatory activity of LL-37. Citrullinated LL-37 3cit shows a moderate loss in the ability to reduce HRV-induced CCL5 secretion ^[1] .
IC ₅₀ & Target	Human rhinovirus ^[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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