

CKLF1-C27

Cat. No.:	HY-P3418
CAS No.:	891861-48-6
Molecular Formula:	C ₁₅₁ H ₂₄₃ N ₃₉ O ₃₇
Molecular Weight:	3196.78
Sequence Shortening:	ALIYRKLLFNPSGPGYQKKPVHEKKEVL
Target:	CCR; ERK
Pathway:	GPCR/G Protein; Immunology/Inflammation; MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	CKLF1-C27, a C-terminal peptide of CKLF1, binds to CCR4 receptor and activates ERK1/2 pathway. CKLF1-C27 can abrogate the effect of CKLF1 on cells by competing for CCR4 receptor. CKLF1-C27 shows great effect on promoting proliferation on HUVECs. CKLF1-C27 has the potential for psoriasis research ^[1] .
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IC ₅₀ & Target	CCR4	ERK1	ERK2
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REFERENCES

[1]. Yaqi Tan, et al. Chemokine-like factor 1-derived C-terminal peptides induce the proliferation of dermal microvascular endothelial cells in psoriasis. PLoS One. 2015 Apr 27;10(4):e0125073.

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

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