

## LS-BF1

Cat. No.:	HY-P3350
CAS No.:	2892148-58-0
Molecular Formula:	$C_{107}H_{166}N_{28}O_{15}$
Molecular Weight:	2084.64
Sequence Shortening:	VKRFFKKFFRKFKFV-NH <sub>2</sub> (Lys6-Lys10(E)-but-2-enyl cross-linked)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

LS-BF1 is a stable and low toxic cationic antimicrobial peptide. LS-BF1 displays broad spectrum of antibacterial activity, including the challenging ESKAPE pathogens, by cell membrane disruptive mechanism. LS-BF1 shows good in vivo efficacy for elimination of bacteria in a mouse infection model[1].

### REFERENCES

[1]. Hu Y, et al. Lysine Stapling Screening Provides Stable and Low Toxic Cationic Antimicrobial Peptides Combating Multidrug-Resistant Bacteria In Vitro and In Vivo. J Med Chem. 2022;65(1):579-591.

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

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