

IDR-1

Cat. No.:	HY-P2320
CAS No.:	940291-10-1
Molecular Formula:	C ₆₅ H ₁₁₈ N ₁₈ O ₁₅
Molecular Weight:	1391.74
Target:	Bacterial
Pathway:	Anti-infection
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

IDR-1 is an antimicrobial peptide that is active against Gram-positive and Gram-negative bacteria. IDR-1 counters infection by selective modulation of innate immunity without obvious toxicities. IDR-1 has anti-inflammatory and anti-infective properties, enhances the levels of monocyte chemokines, and attenuates pro-inflammatory cytokine release^{[1][2]}.

REFERENCES

- [1]. Monisha G Scott, et al. An Anti-Infective Peptide That Selectively Modulates the Innate Immune Response. *Nat Biotechnol.* 2007 Apr;25(4):465-72.
- [2]. Man Hou, et al. Antimicrobial Peptide LL-37 and IDR-1 Ameliorate MRSA Pneumonia in Vivo. *Cell Physiol Biochem.* 2013;32(3):614-23.

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

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