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DATASHEET

IDR 1002

Product overview

Name	IDR 1002
Cat No	HB8122
Biological description	Innate defence regulator peptide which enhances chemokine production and neutrophil and monocyte recruitment to protect against bacterial infections. Shows antimicrobial, immunomodulatory and anti-inflammatory properties.
Purity	>95%
Description	Innate defence regulator peptide

Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in aqueous buffer

Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use
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Chemical Data

Molecular Weight	1652.06
Molecular Formula	C ₇₉ H ₁₃₀ N ₂₆ O ₁₃
Sequence (one letter)	VQRWLIVWRIRK-NH ₂
Sequence (three letter)	H-Val-Gln-Arg-Trp-Leu-Ile-Val-Trp-Arg-Ile-Arg-Lys-NH ₂
CAS Number	1224095-25-3

References

Synthetic cationic peptide IDR-1002 provides protection against bacterial infections through chemokine induction and enhanced leukocyte recruitment

Nijnik A *et al* (2010) J Immunol 184(5)

PubMedID [20107187](#)

Synthetic host defense peptide IDR-1002 reduces inflammation in *Pseudomonas aeruginosa* lung infection

Wuerth KC *et al* (2017) PLoS One 12(11)

PubMedID [29107983](#)

Synthetic immunomodulatory peptide IDR-1002 enhances monocyte migration and adhesion on fibronectin

Madera L *et al* (2012) J Innate Immun 4(5-6)

PubMedID [22722749](#)

