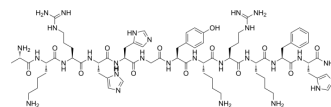


P-113

Cat. No.:	HY-P2148
CAS No.:	190673-58-6
Molecular Formula:	C ₇₁ H ₁₁₀ N ₂₈ O ₁₃
Molecular Weight:	1563.81
Sequence Shortening:	AKRHHGYKRKFH-NH2
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (63.95 mM); Need ultrasonic				
		Solvent Concentration	Mass		
	Preparing Stock Solutions	1 mM	1 mg	5 mg	10 mg
		5 mM	0.6395 mL	3.1973 mL	6.3946 mL
		10 mM	0.1279 mL	0.6395 mL	1.2789 mL
	10 mM	0.0639 mL	0.3197 mL	0.6395 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (63.95 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	P-113 is an antimicrobial peptide (AMP) derived from the human salivary protein histatin 5. P-113 is active against clinically important microorganisms such as <i>Pseudomonas</i> spp., <i>Staphylococcus</i> spp., and <i>C. albicans</i> ^[1] .
In Vitro	P-113 has a minimum inhibitory concentration (MIC) value of 3.13 µg/mL for against <i>C. albicans</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kuang-Ting Cheng, et al. The Interactions between the Antimicrobial Peptide P-113 and Living *Candida albicans* Cells Shed Light on Mechanisms of Antifungal Activity

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

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