

## Indolicidin acetate

<b>Cat. No.:</b>	HY-P0261A		
<b>Molecular Formula:</b>	C <sub>102</sub> H <sub>136</sub> N <sub>26</sub> O <sub>15</sub>		
<b>Molecular Weight:</b>	1966.34		
<b>Sequence Shortening:</b>	ILPWKWPWWPWR-NH2	ILPWKWPWWPWR-NH <sub>2</sub> (acetate)	
<b>Target:</b>	Bacterial		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	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

DMSO : 50 mg/mL (25.43 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration			
	1 mM	0.5086 mL	2.5428 mL	5.0856 mL
	5 mM	0.1017 mL	0.5086 mL	1.0171 mL
	10 mM	0.0509 mL	0.2543 mL	0.5086 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Indolicidin acetate is a potent antimicrobial peptide purified from the cytoplasmic granules of bovine neutrophils<sup>[1]</sup>.

### REFERENCES

- [1]. Falla TJ, et al. Mode of action of the antimicrobial peptide indolicidin. J Biol Chem. 1996;271(32):19298-19303.
- [2]. Selsted ME, et al. Indolicidin, a novel bactericidal tridecapeptide amide from neutrophils. J Biol Chem. 1992;267(7):4292-4295.

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

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