

## LL-37, human acetate

<b>Cat. No.:</b>	HY-P1222B	
<b>Molecular Formula:</b>	C <sub>207</sub> H <sub>344</sub> N <sub>60</sub> O <sub>55</sub>	
<b>Molecular Weight:</b>	4553.31	
<b>Sequence Shortening:</b>	LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES	LLGDFFRKSK EKIGKEFKRI VQRIKDFLRN LVPRTES (acetate salt)
<b>Target:</b>	Bacterial	
<b>Pathway:</b>	Anti-infection	
<b>Storage:</b>	Protect from light, stored under nitrogen	
	Powder	-80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)	

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (21.96 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.2196 mL	1.0981 mL	2.1962 mL
	5 mM	0.0439 mL	0.2196 mL	0.4392 mL
	10 mM	0.0220 mL	0.1098 mL	0.2196 mL

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

### BIOLOGICAL ACTIVITY

#### Description

LL-37, human acetate is a 37-residue, amphipathic, cathelicidin-derived antimicrobial peptide, which exhibits a broad spectrum of antimicrobial activity<sup>[1]</sup>. LL-37, human acetate could help protect the cornea from infection and modulates wound healing<sup>[2]</sup>.

### REFERENCES

- [1]. Dürr UH, et al. LL-37, the only human member of the cathelicidin family of antimicrobial peptides. *Biochim Biophys Acta*. 2006 Sep;1758(9):1408-25.
- [2]. Huang LC, et al. Multifunctional roles of human cathelicidin (LL-37) at the ocular surface. *Invest Ophthalmol Vis Sci*. 2006 Jun;47(6):2369-80.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA