

**Product Name** : Cecropin B  
**Cat. No.** : PC-47495  
**CAS No.** : 80451-05-4  
**Molecular Formula** : C<sub>176</sub>H<sub>302</sub>N<sub>52</sub>O<sub>41</sub>S  
**Molecular Weight** : 3834.67  
**Target** : Bacterial  
**Solubility** : H<sub>2</sub>O: 10 mM (38.3 mg/mL)

# Cecropin B

### Biological Activity

Cecropin B is an **antimicrobial** peptide with MICs (0.5 to 16 ug/ml) against Gram negative strain, also inhibit the expression of **CYP3A29**.

Cecropin B induces NF-κB activation playing a pivotal role in the suppression of CYP3A29 through disrupting the association of the PXR/retinoid X receptor alpha (RXR-α) complex with DNA sequences.

Cecropin B activates pig liver cells by interacting with TLRs 2 and 4, which modulated NF-κB-mediated signaling pathways

### References

Hu H, et al. **Mol Cells**. 2013 Feb;35(2):106-14.

Zhou X, et al. **Sci Rep**. 2016 Jun 14;6:27876.

Chen F, et al. **J Mol Microbiol Biotechnol**. 2015;25(4):284-91.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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