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Supporting Material

Structure and membrane interactions of the antibiotic peptide dermadistinctin K by multidimensional solution and oriented ^{15}N and ^{31}P solid-state NMR spectroscopy

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SUPPLEMENTARY INFORMATION

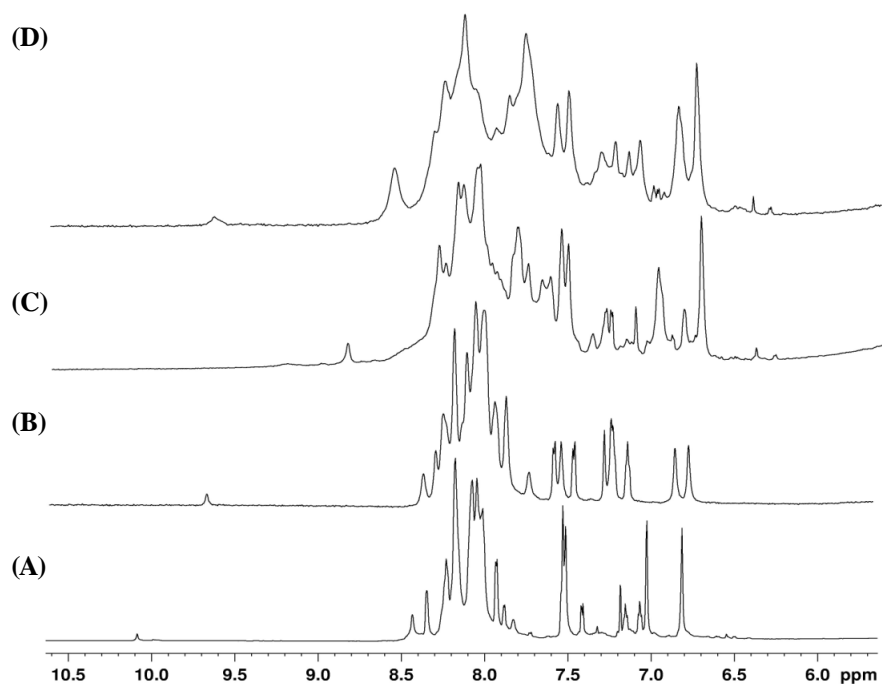


FIGURE S1. Amide and aromatic region of the ¹H one-dimensional NMR spectra of 800 μM DD K at 25 °C. (A) 20 mM sodium phosphate buffer at pH 7.0; (B) 50% TFE-d₂ in H₂O; (C) in the presence of 400 mM DPC-d₂₅ or of (D) 400 mM SDS-d₂₅. The NMR spectra were recorded on a Bruker AVANCE DRX spectrometer operating at a ¹H frequency of 800.04 MHz.

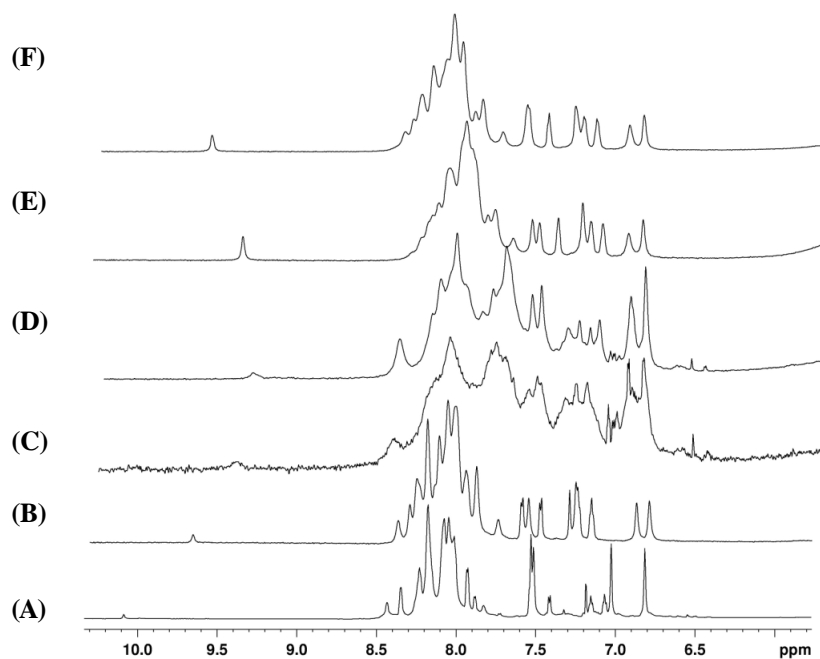


FIGURE S2. Amide and aromatic region of the ^1H one-dimensional NMR spectra of 2 mM DD K at 25 °C. (A) in 20 mM sodium phosphate buffer at pH 7.0; (B) in 50% TFE- d_2 in H_2O ; (C) in the presence of 30 mM SDS- d_{25} , (D) 60 mM SDS- d_{25} , (E) 100 mM SDS- d_{25} or (F) 400 mM SDS- d_{25} . The NMR spectra were recorded on a Bruker AVANCE DRX spectrometer operating at a ^1H frequency of 800.04 MHz.