

Supporting Information

# Mollicellins O-R, Four New Depsidones Isolated from the Endophytic Fungus *Chaetomium* sp. Eef-10

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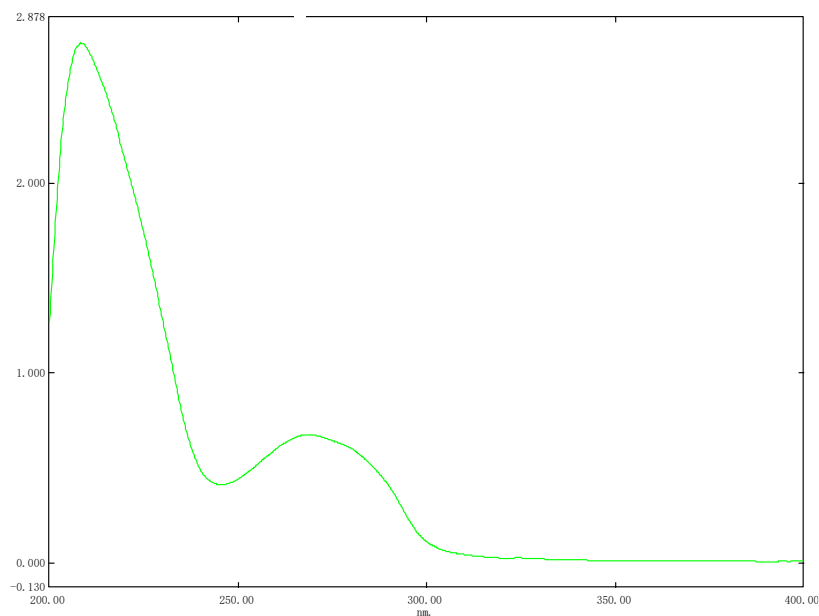


Figure S1.1 UV spectrum of mollicellin O (1)

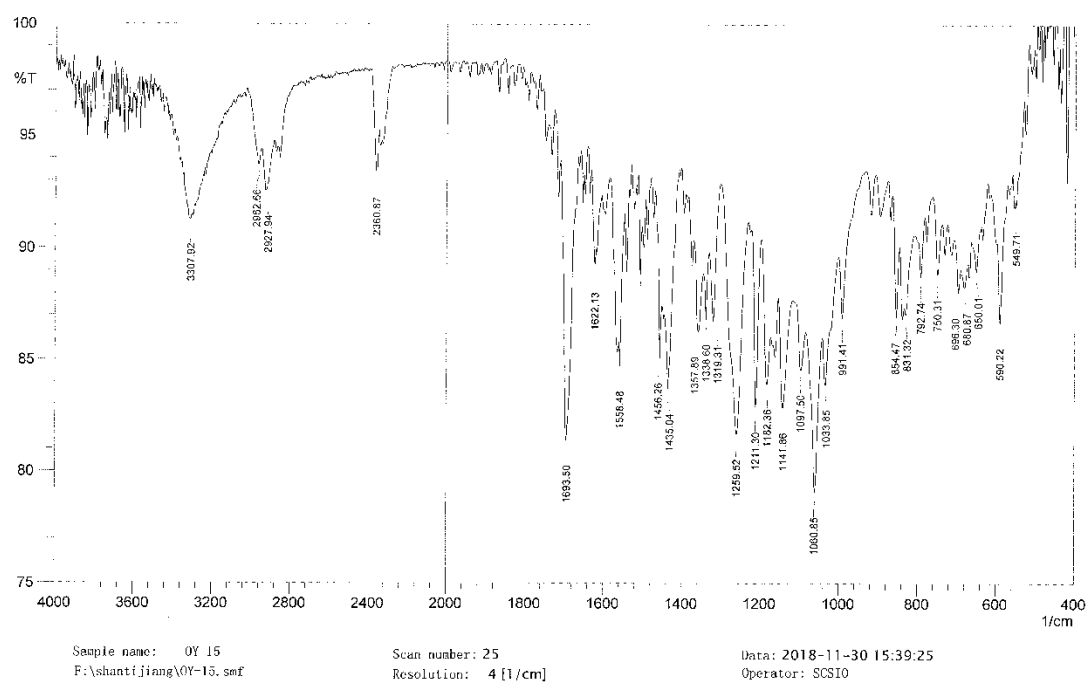


Figure S1.2 IR spectrum of mollicellin O (1)

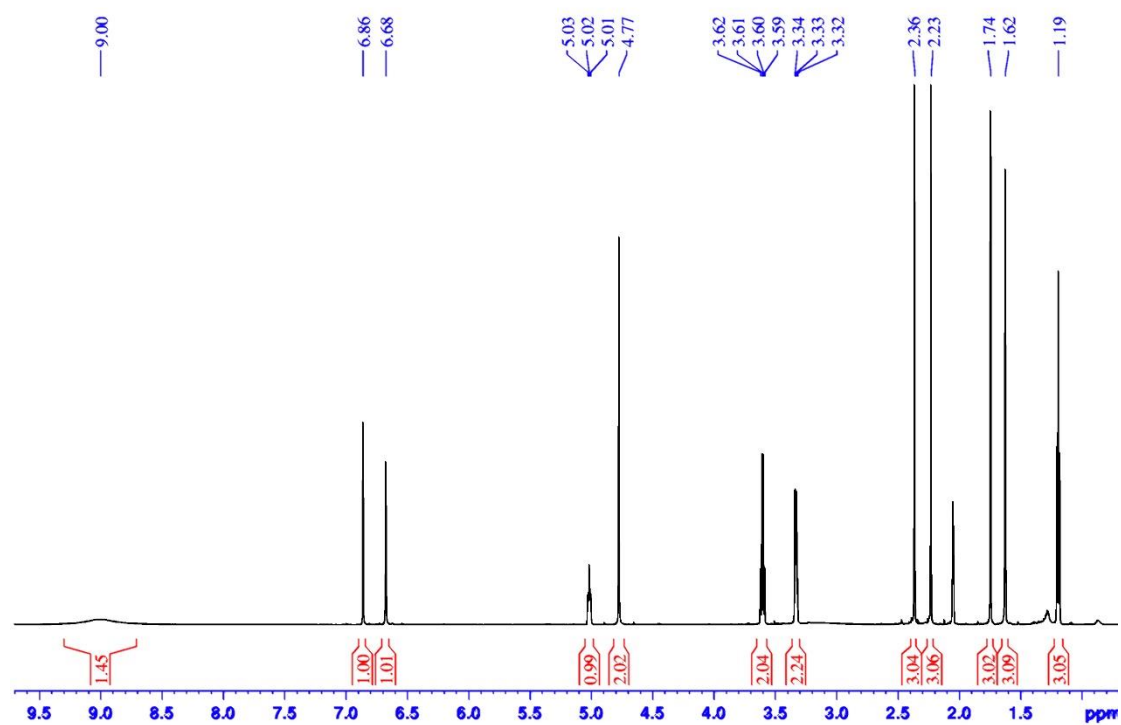


Figure S1.3 <sup>1</sup>H NMR spectrum of mollicellin O (1) (Acetone-*d*<sub>6</sub>, 600MHz)

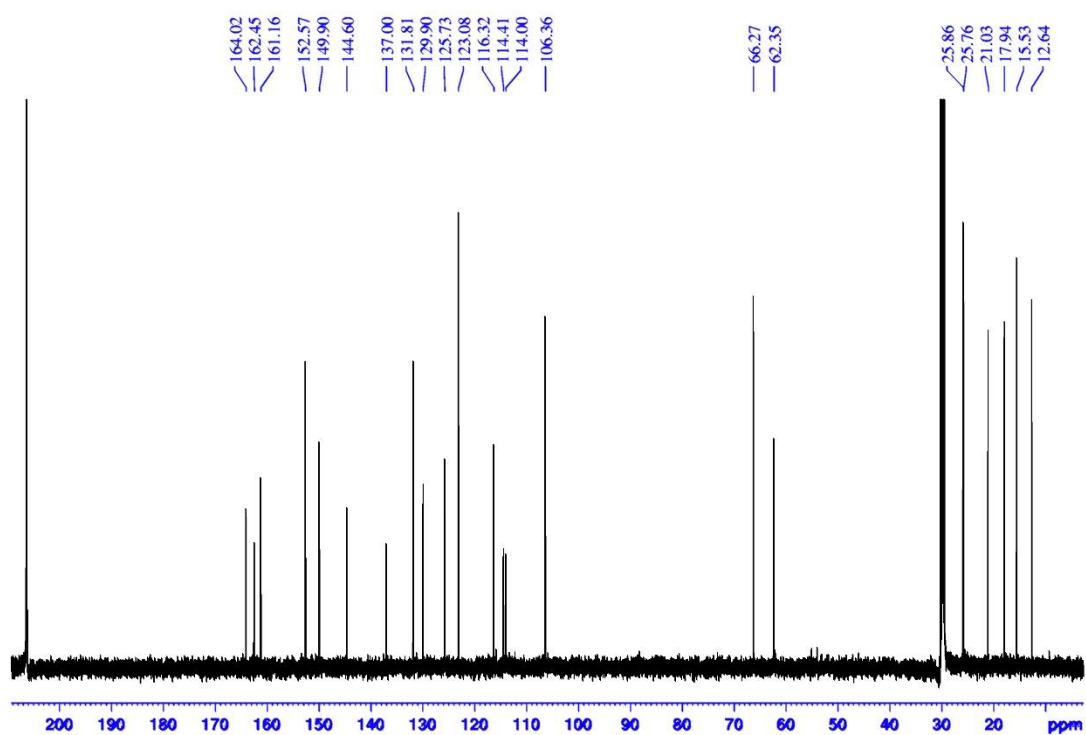


Figure S1.4 <sup>13</sup>C NMR spectrum of mollicellin O (1) (Acetone-*d*<sub>6</sub>, 150 MHz)

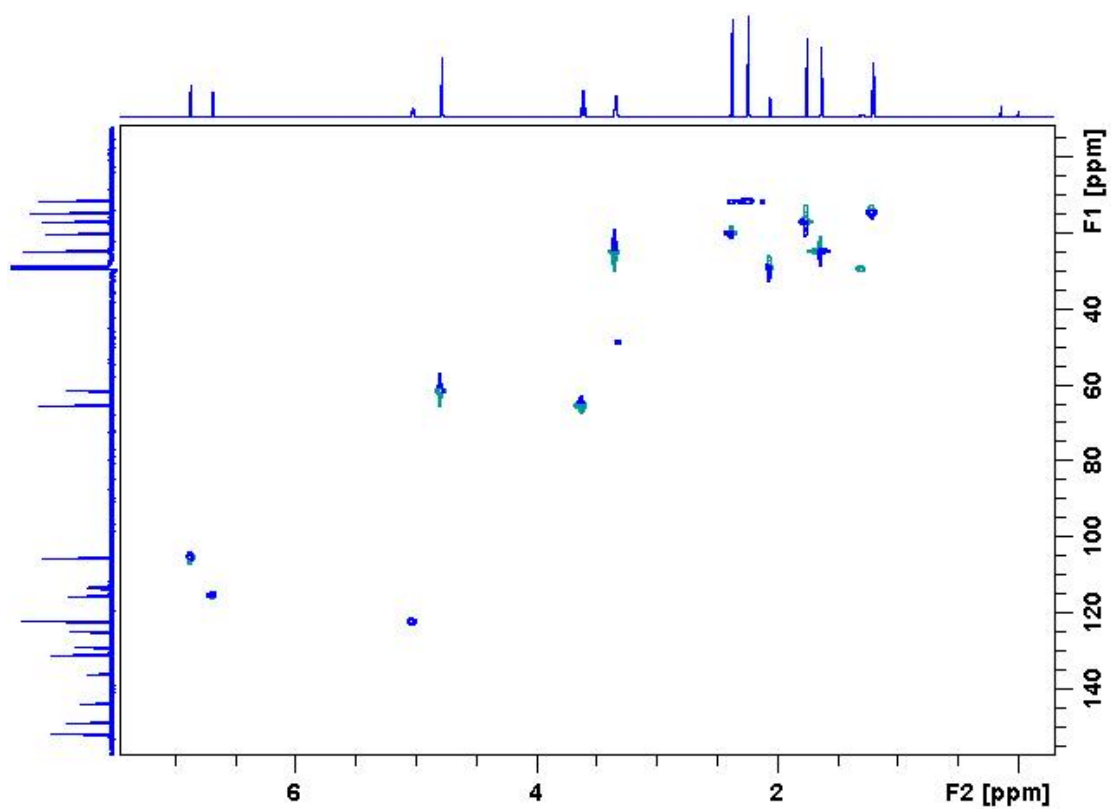


Figure S1.5 HSQC spectrum of mollicellin O (1) (Acetone- $d_6$ )

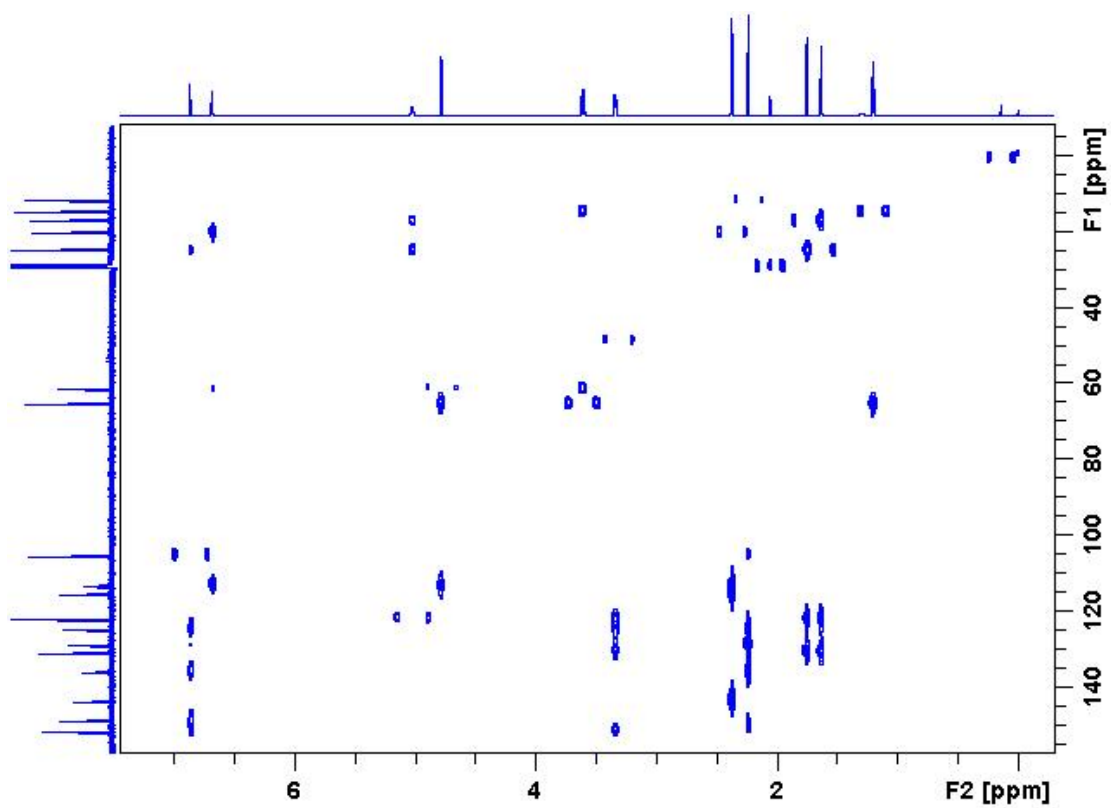


Figure S1.6 HMBC spectrum of mollicellin O (1) (Acetone- $d_6$ )

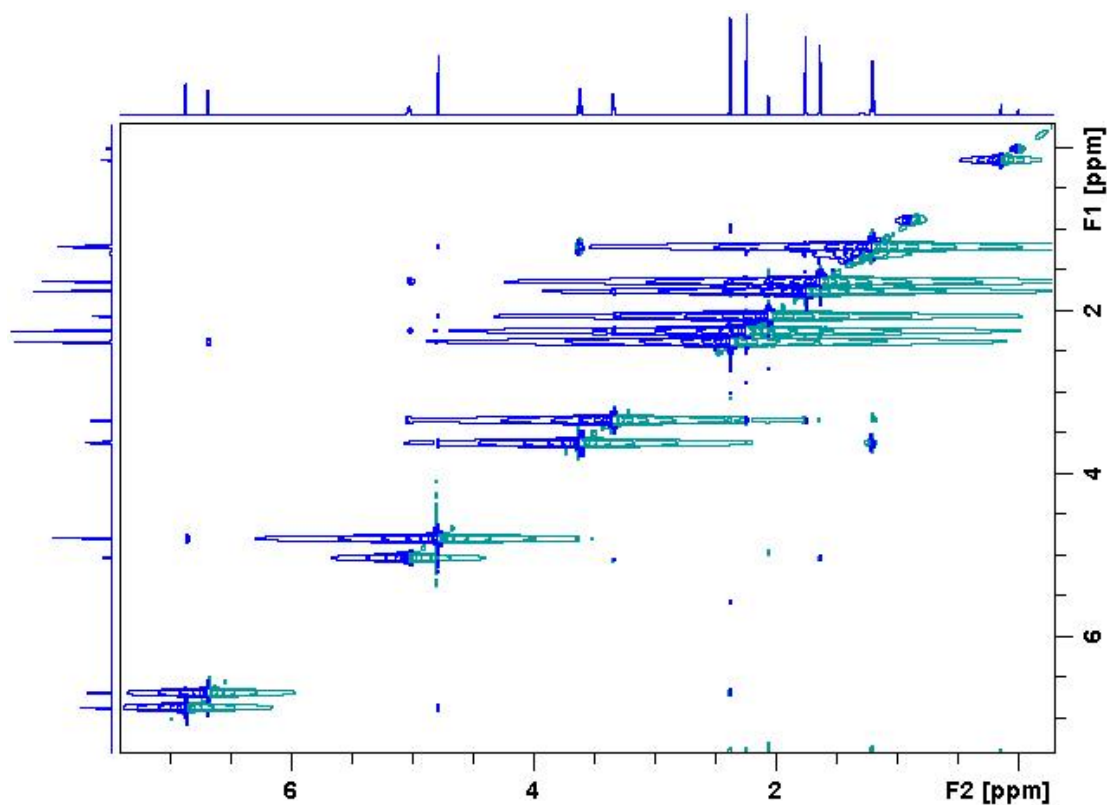


Figure S1.7 NOESY spectrum of mollicellin O (1) (Acetone- $d_6$ )

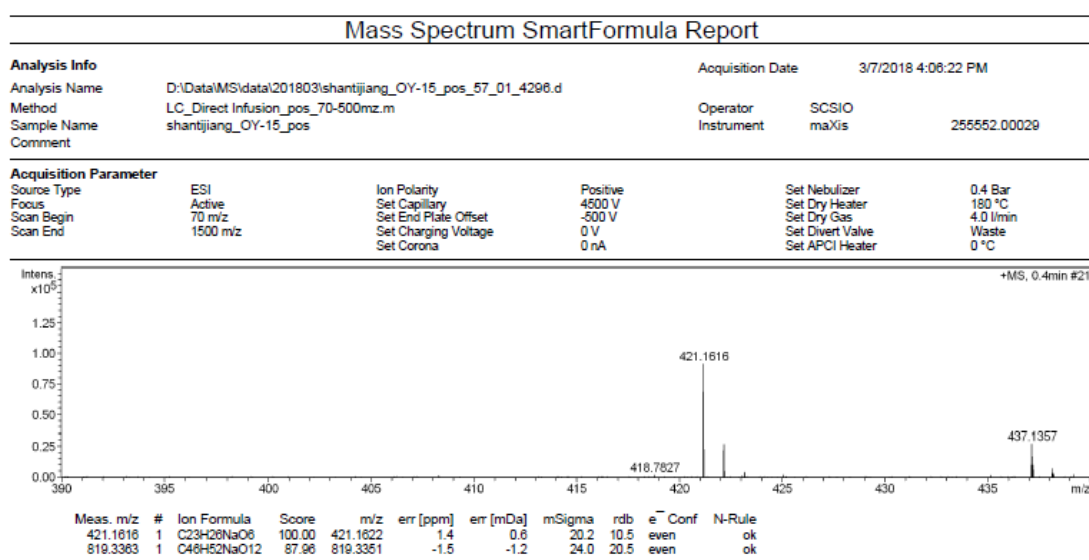


Figure S1.8 HR-ESI-MS spectrum of mollicellin O (1)

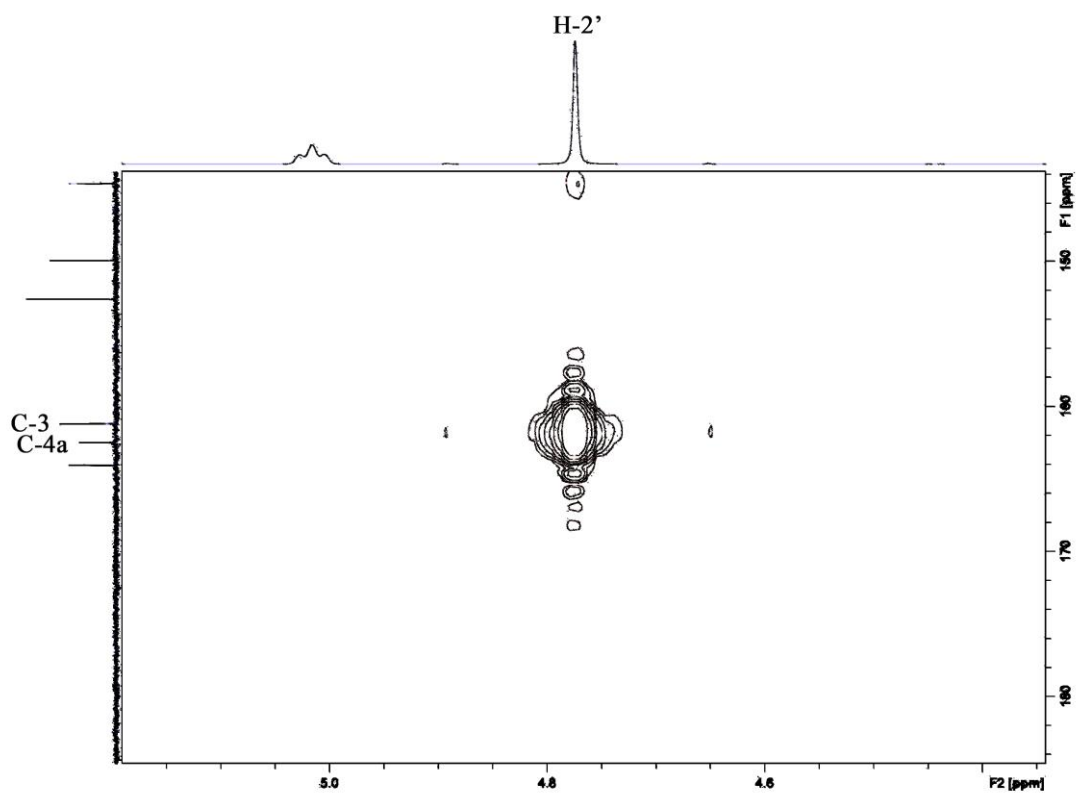


Figure S1.9 HMBC correlation of H-2' with C-4a and C-3 in mollicellin O (1)

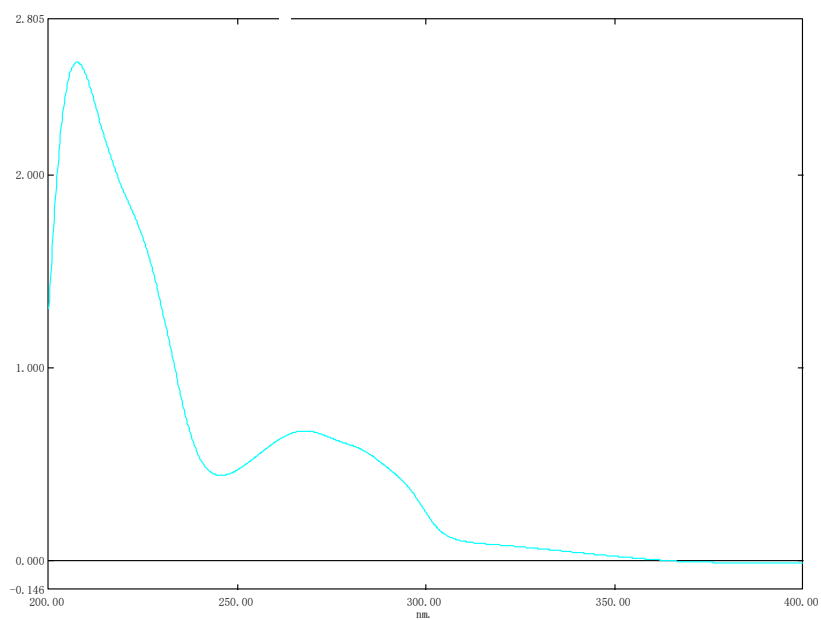


Figure S2.1 UV spectrum of mollicellin P (2)



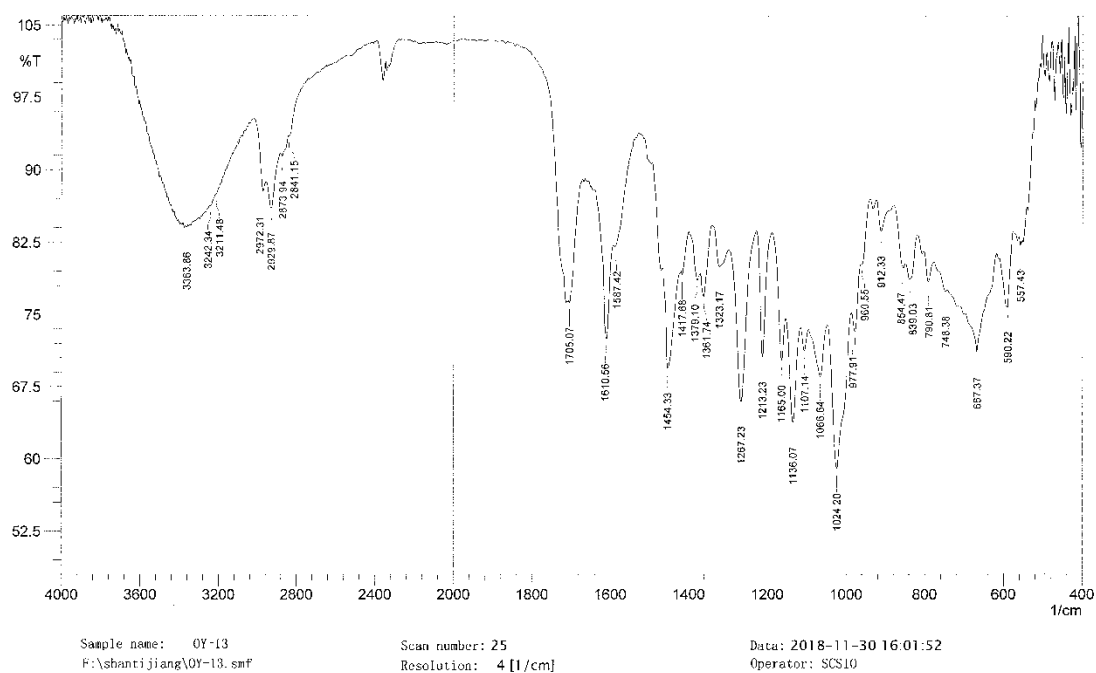
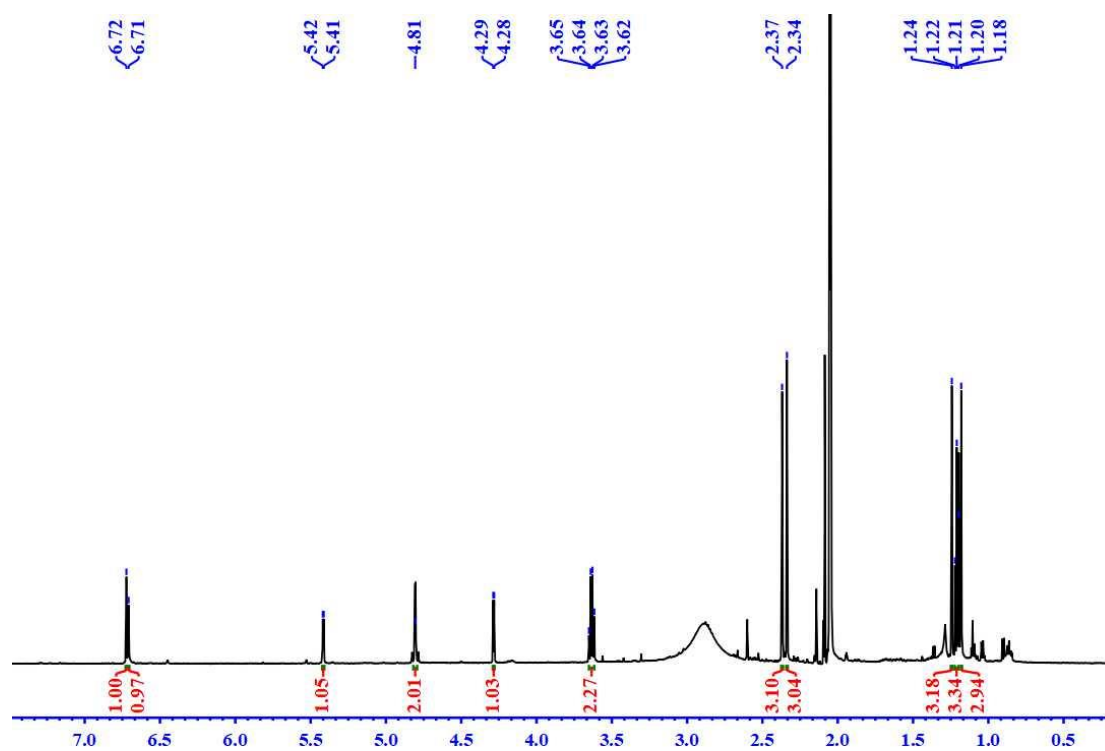


Figure S2.2 IR spectrum of mollicellin P (2)

Figure S2.3  $^1\text{H}$  NMR spectrum of mollicellin P (2) (Acetone- $d_6$ , 600MHz)

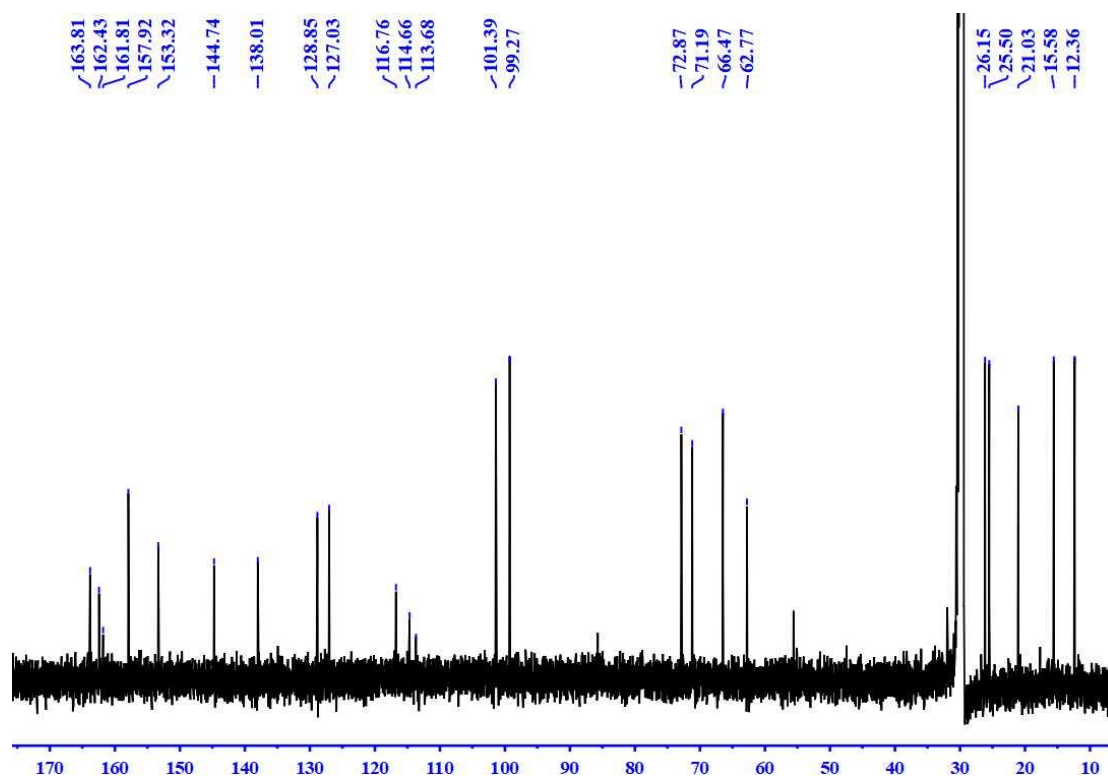


Figure S2.4  $^{13}\text{C}$  NMR spectrum of mollicellin P (2) (Acetone- $d_6$ , 150 MHz)

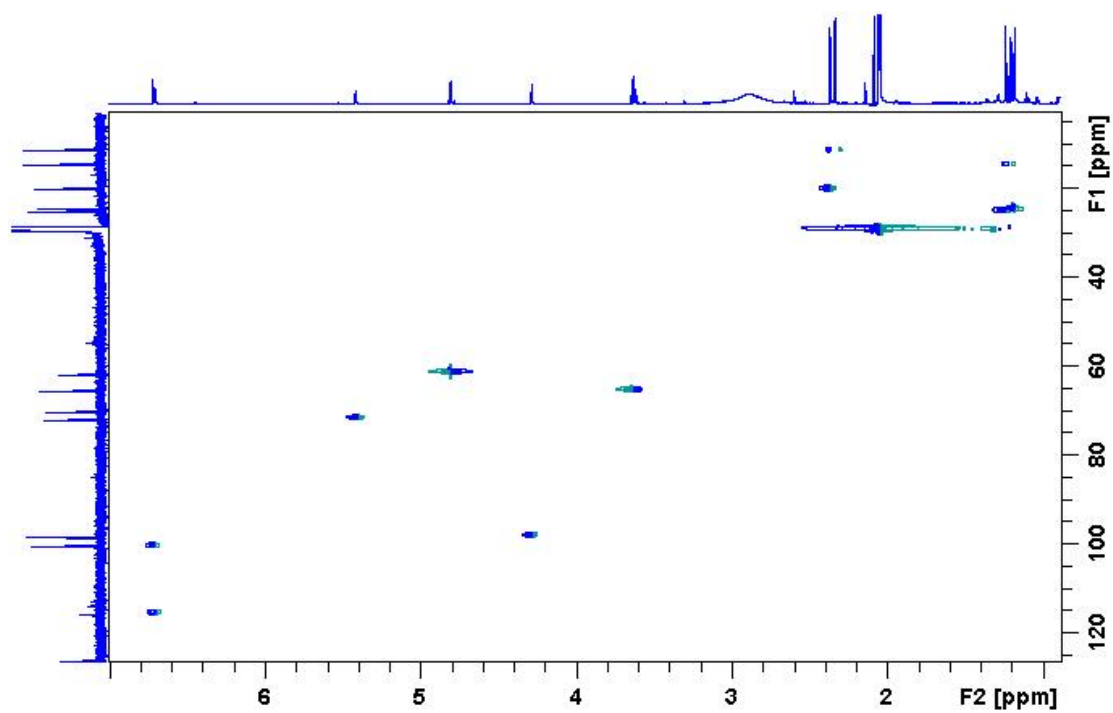


Figure S2.5 HSQC spectrum of mollicellin P (2) (Acetone- $d_6$ )

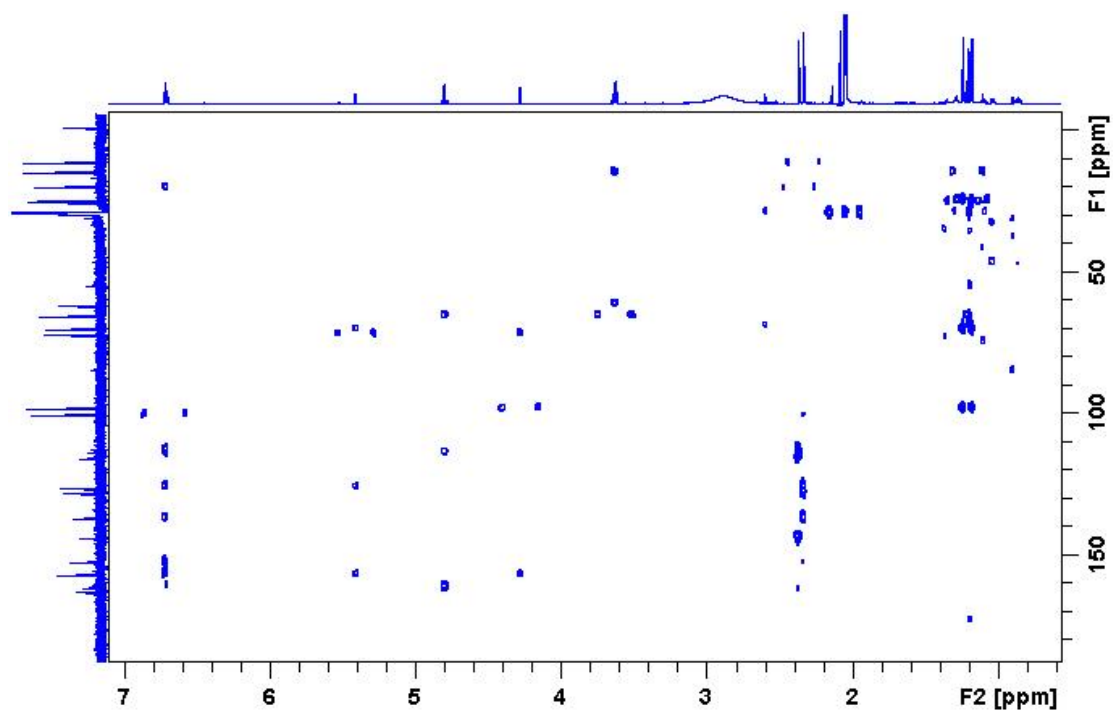


Figure S2.6 HMBC spectrum of mollicellin P (2) (Acetone-*d*<sub>6</sub>)

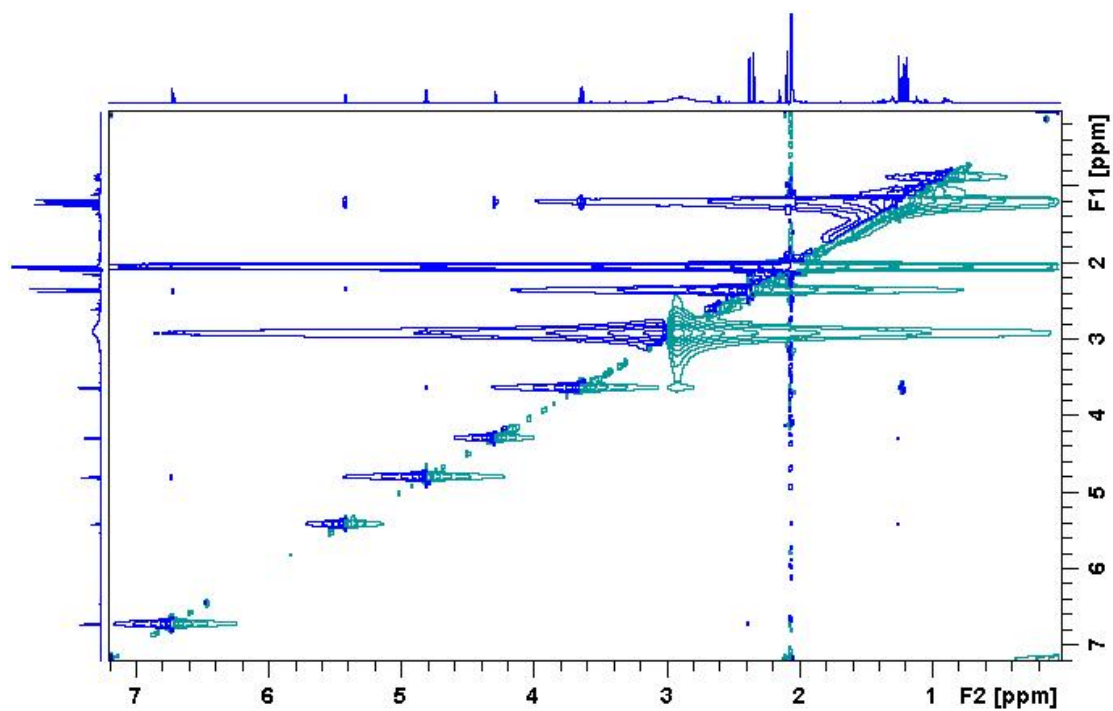


Figure S2.7 NOESY spectrum of mollicellin P (2) (Acetone-*d*<sub>6</sub>)

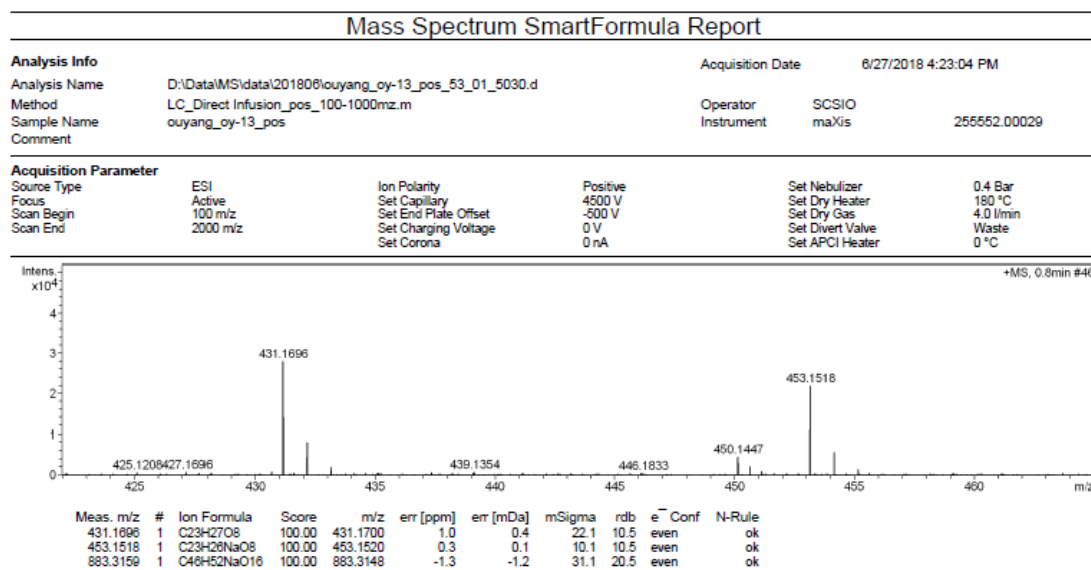


Figure S2.8 HR-ESI-MS spectrum of mollicellin P (2)

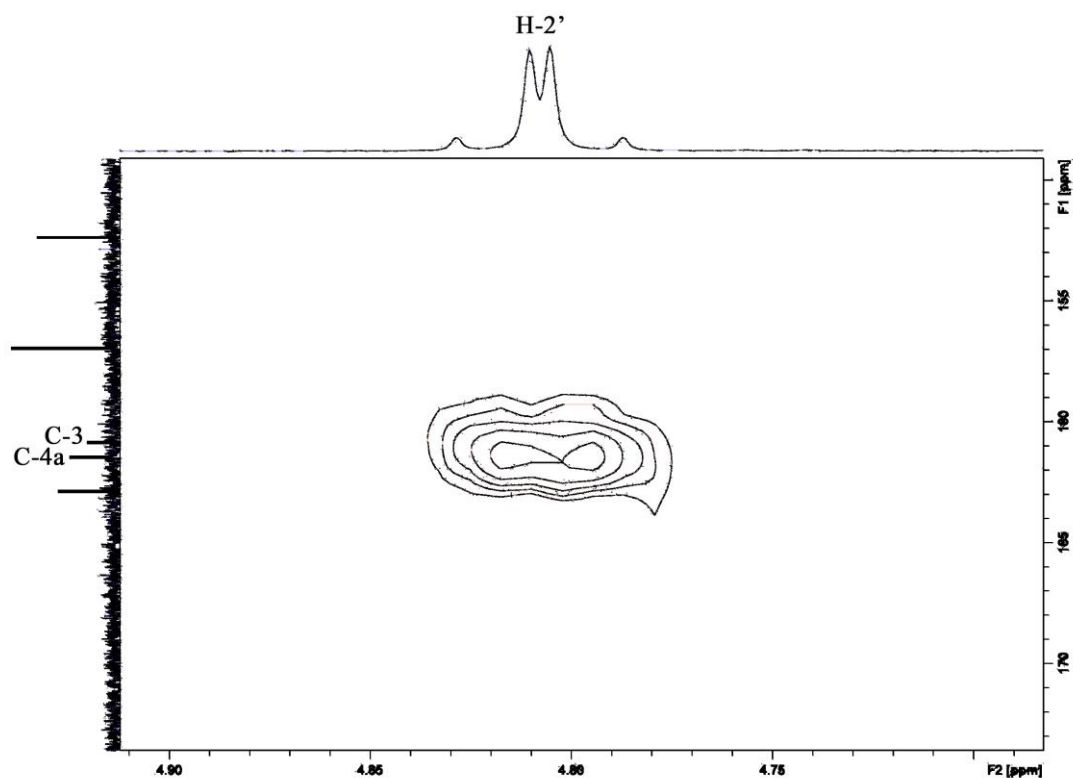


Figure S2.9 HMBC correlation of H-2' with C-4a and C-3 in mollicellin P (2)

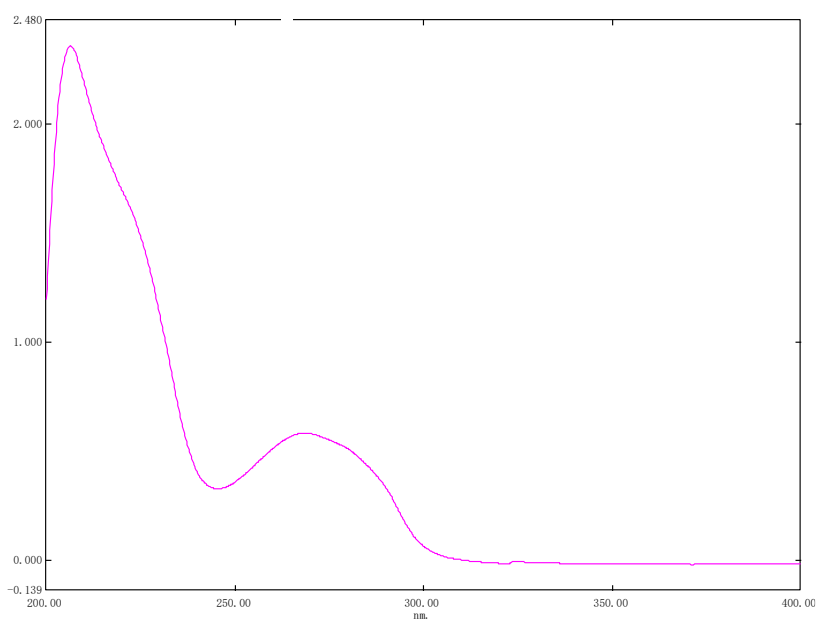


Figure S3.1 UV spectrum of mollicellin Q (3)

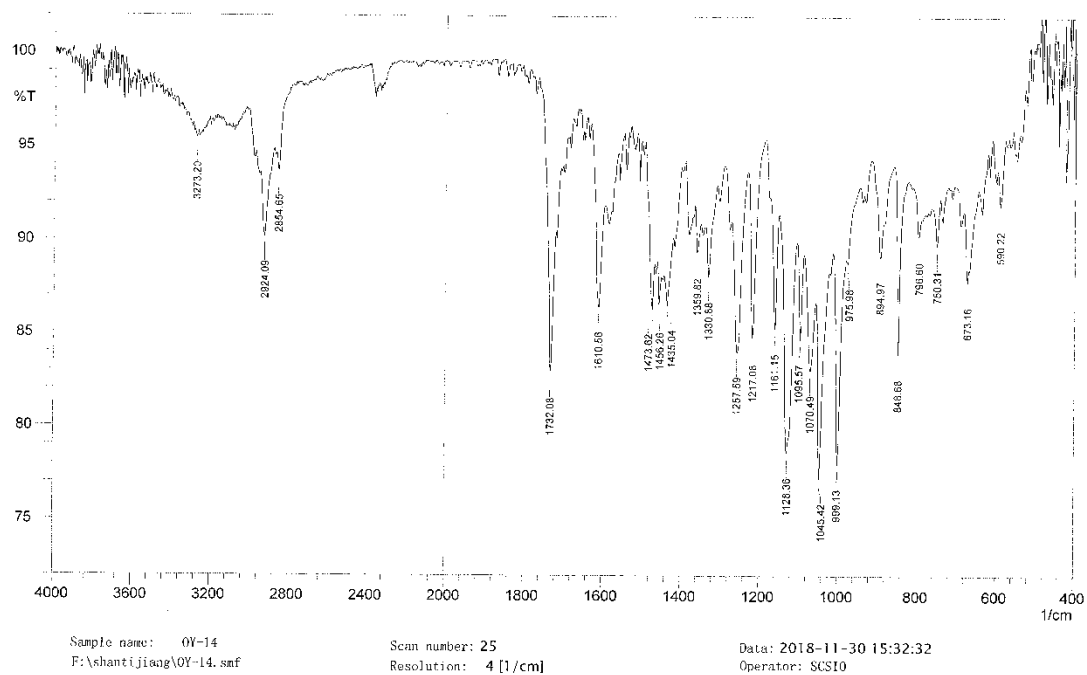


Figure S3.2 IR spectrum of mollicellin Q (3)

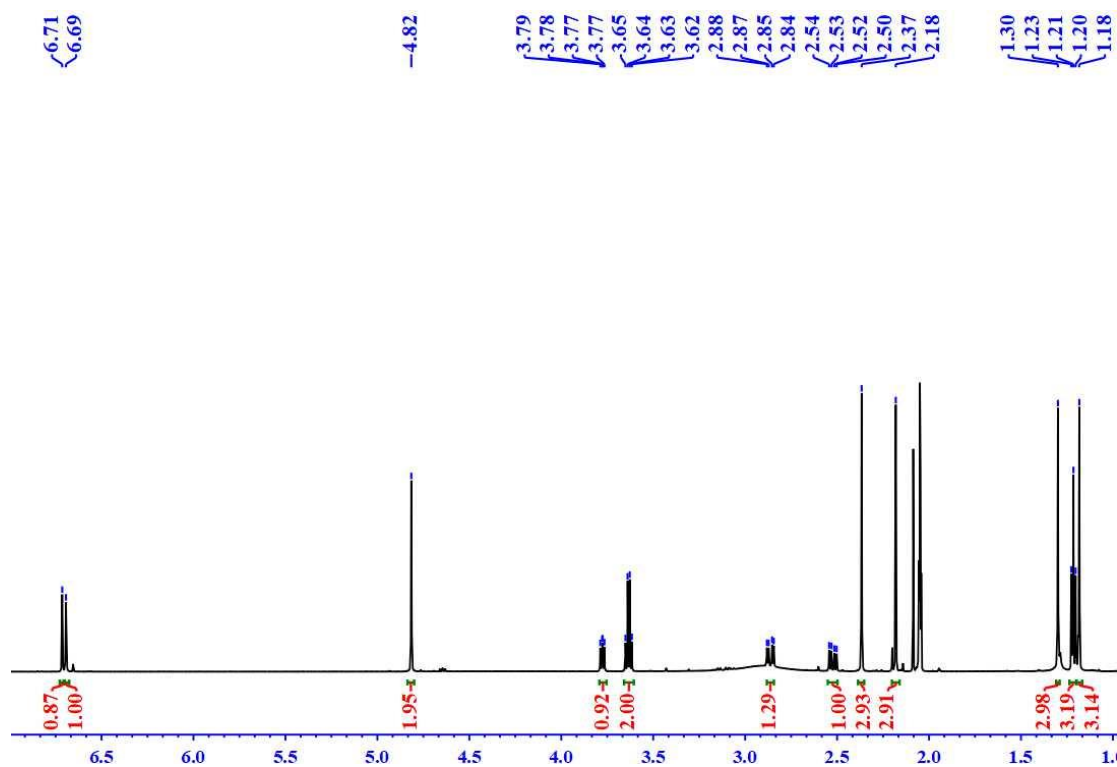


Figure S3.3  $^1\text{H}$  NMR spectrum of mollicellin Q (3) (Acetone- $d_6$ , 600MHz)

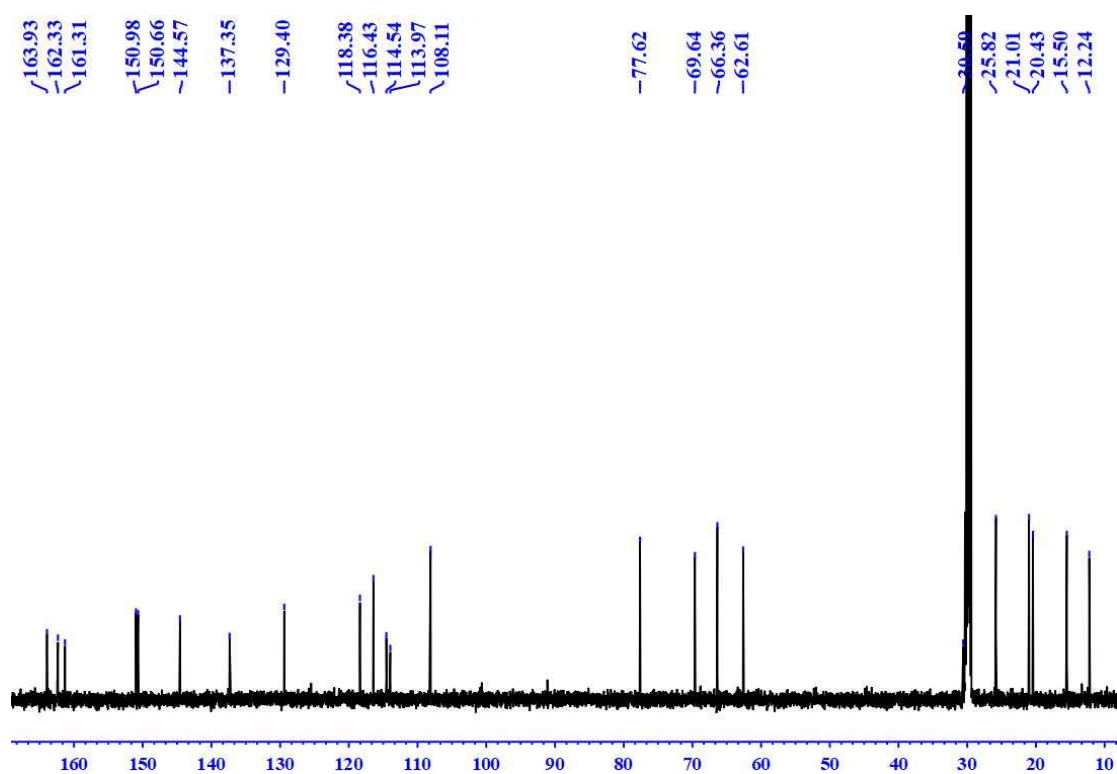


Figure S3.4  $^{13}\text{C}$  NMR spectrum of mollicellin Q (3) (Acetone- $d_6$ , 150 MHz)

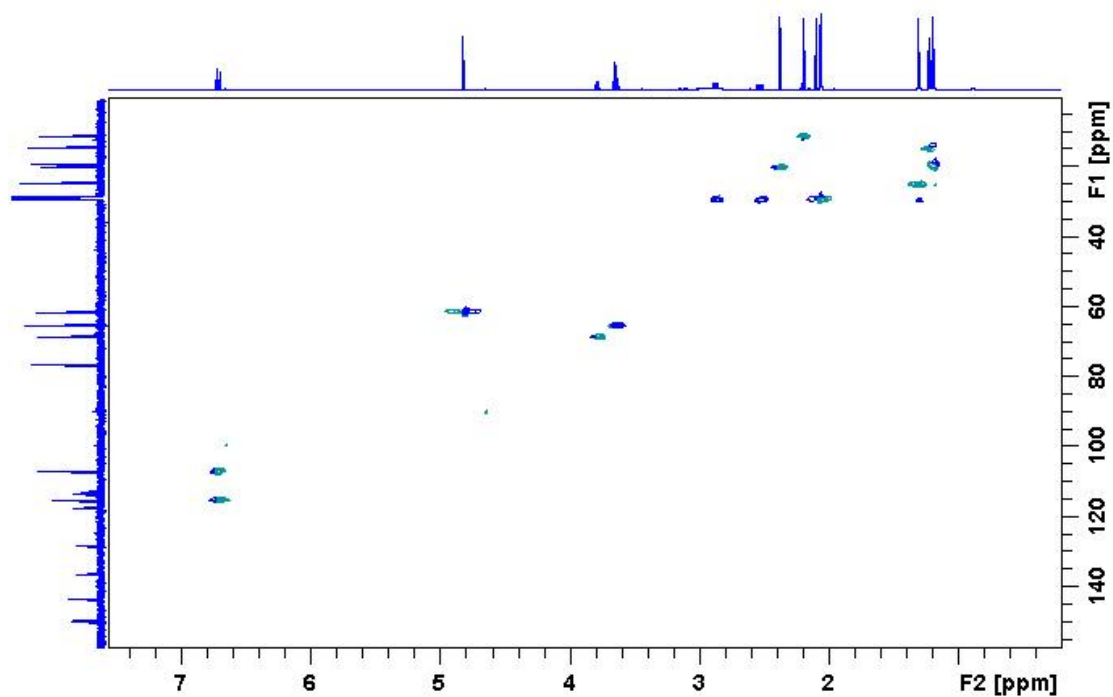


Figure S3.5 HSQC spectrum of mollicellin Q (3) (Acetone- $d_6$ )

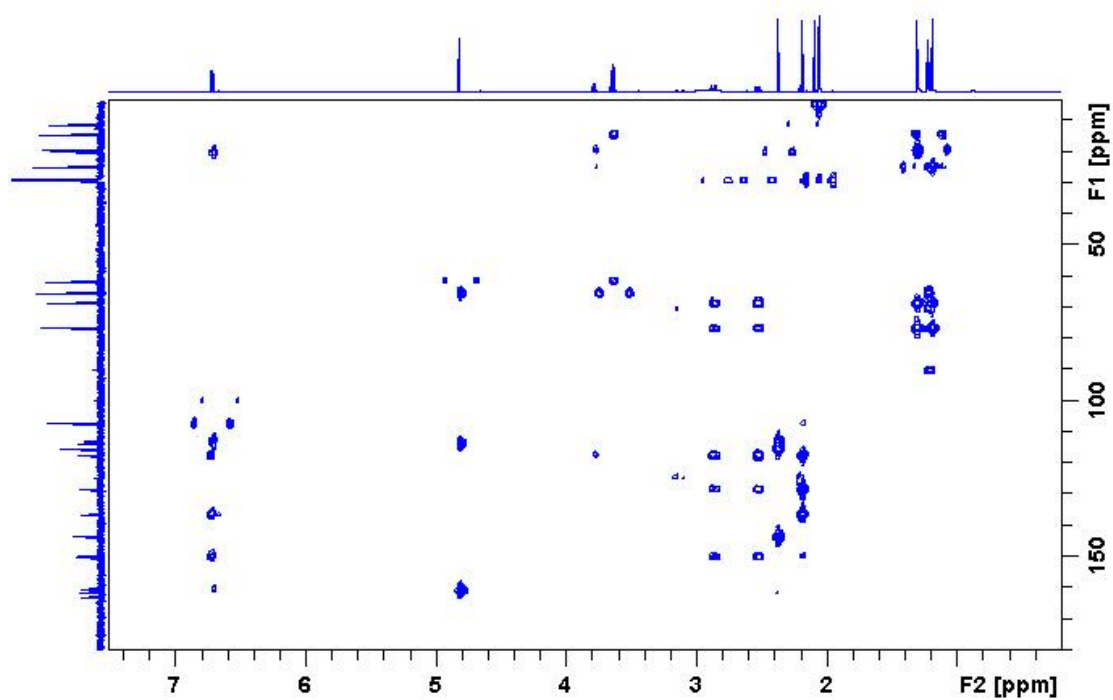


Figure S3.6 HMBC spectrum of mollicellin Q (3) (Acetone- $d_6$ )

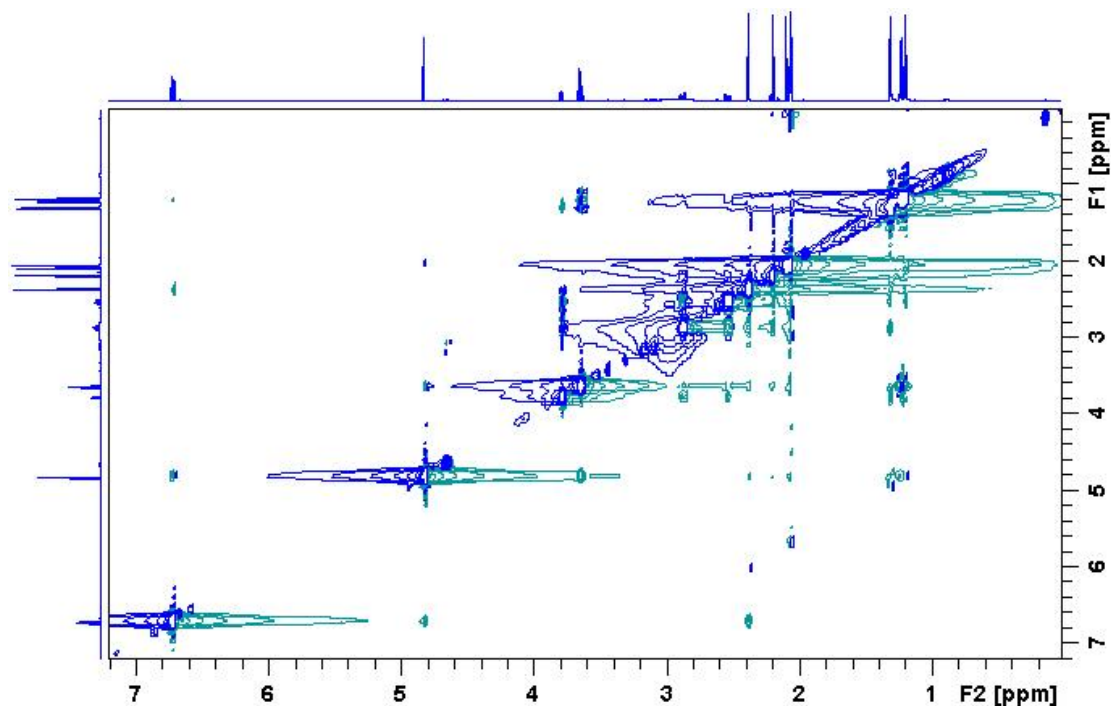


Figure S3.7 NOESY spectrum of mollicellin Q (3) (Acetone- $d_6$ )

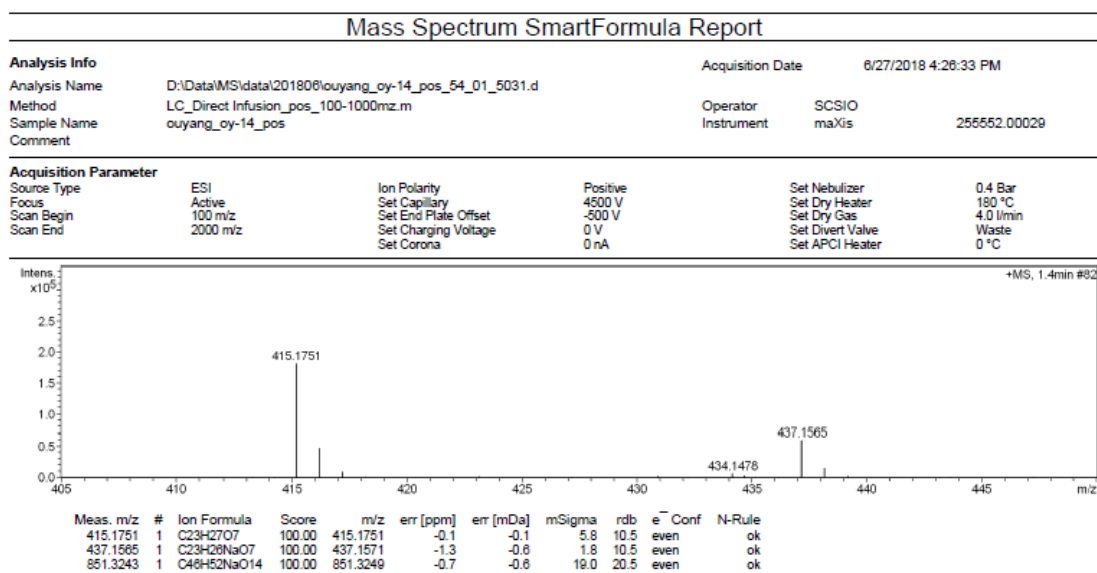


Figure S3.8 HR-ESI-MS spectrum of mollicellin Q (3)



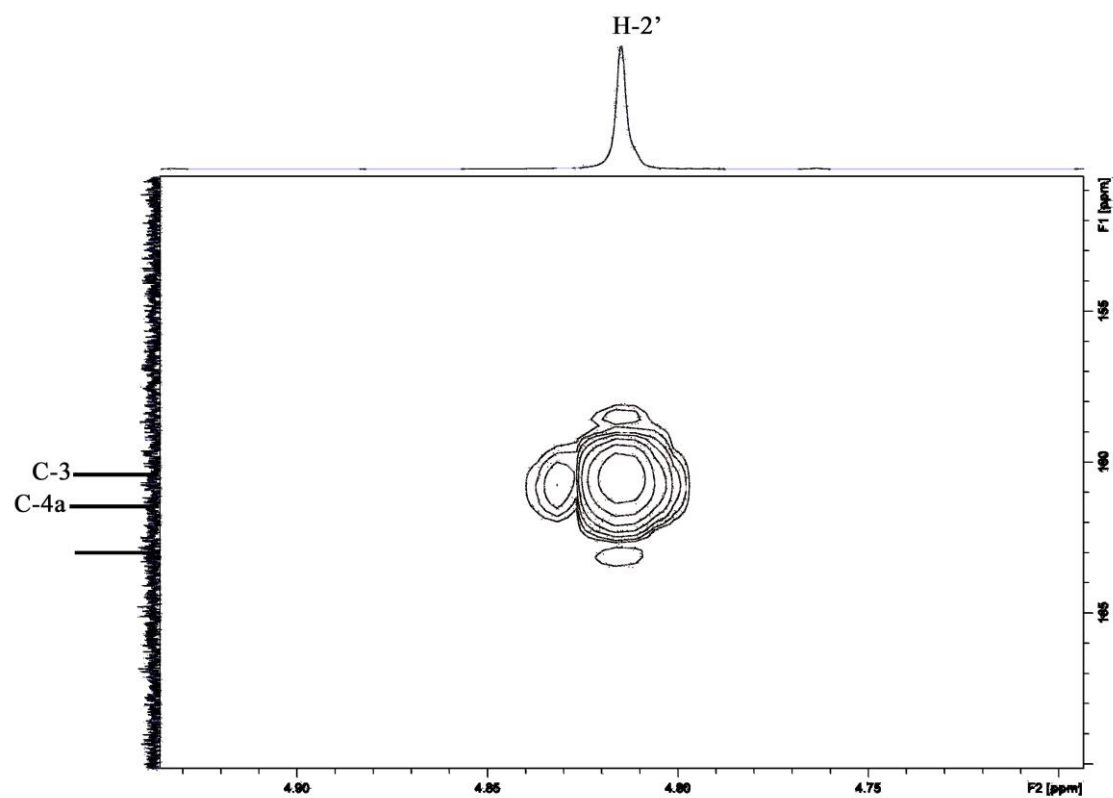


Figure S3.9 HMBC correlation of H-2' with C-4a and C-3 in mollicellin Q (3)

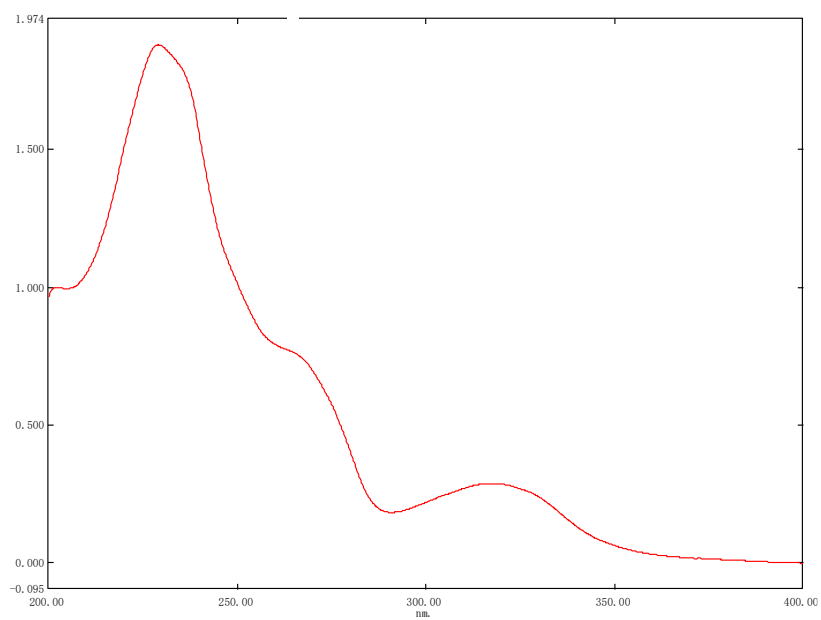


Figure S4.1 UV spectrum of mollicellin R (4)

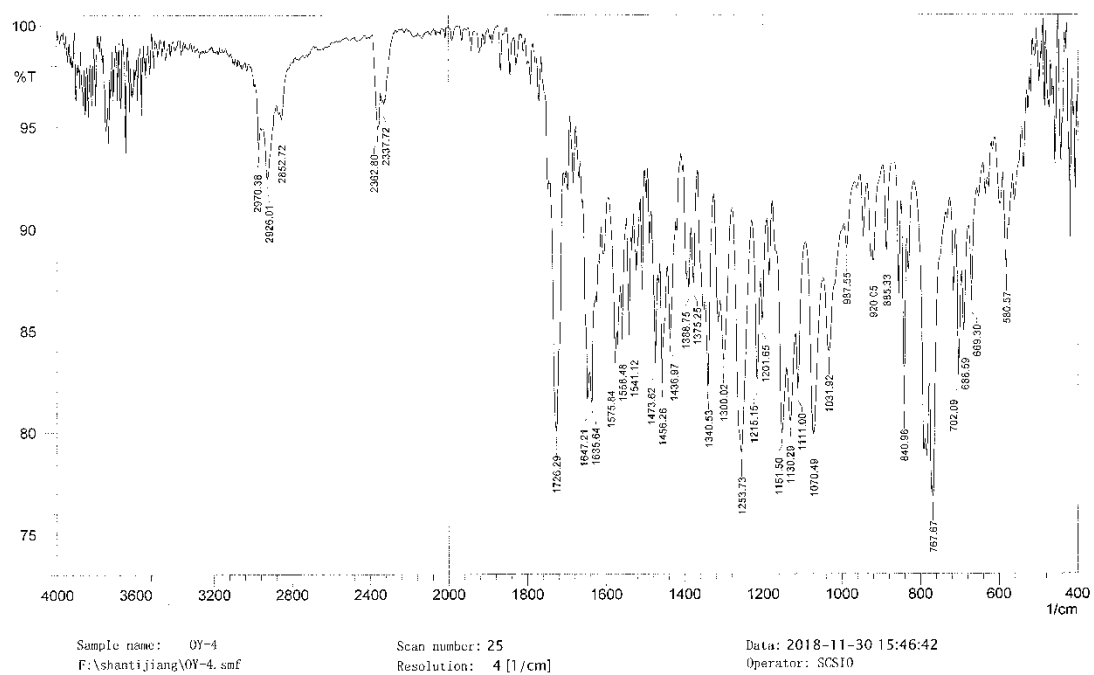
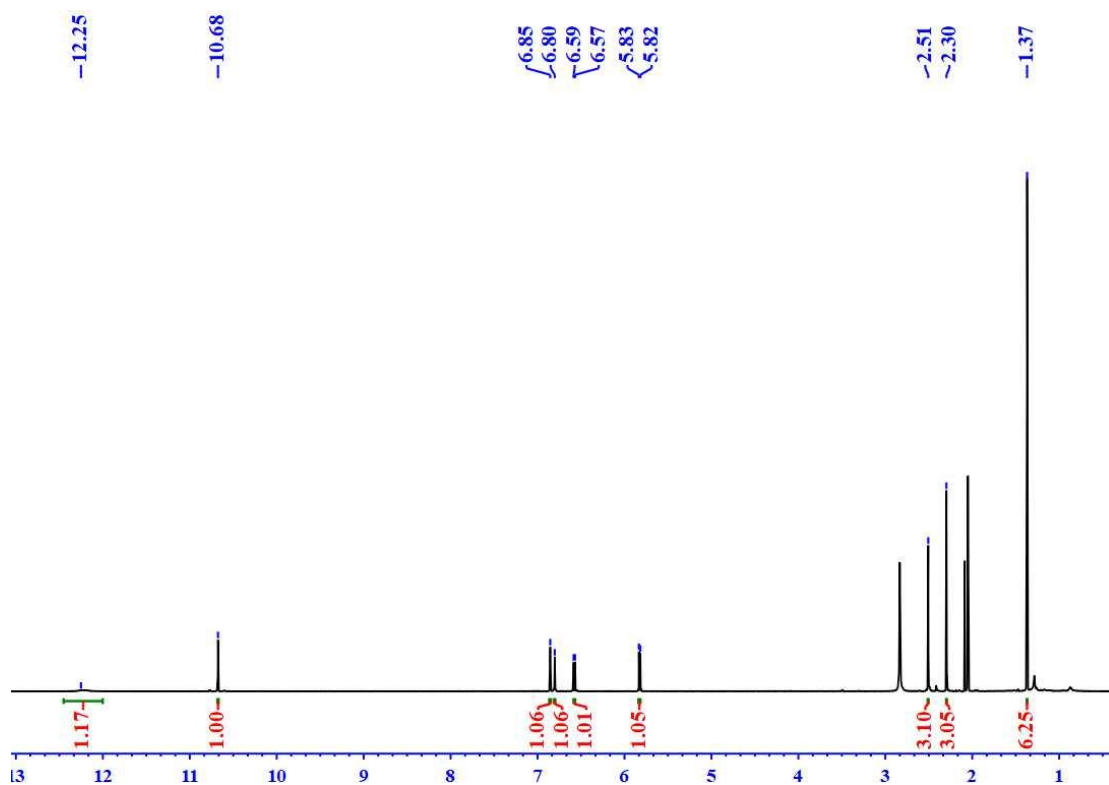


Figure S4.2 IR spectrum of mollicellin R (4)

Figure S4.3  $^1\text{H}$  NMR spectrum of mollicellin R (4) (Acetone- $d_6$ , 600MHz)

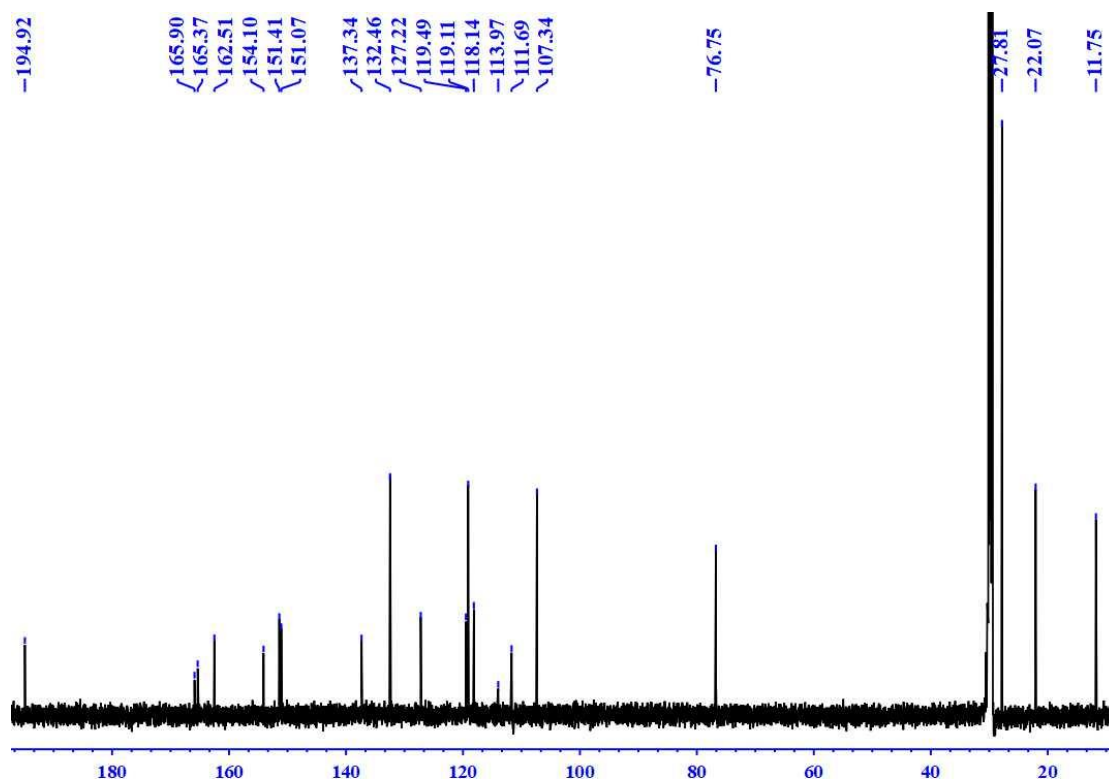


Figure S4.4  $^{13}\text{C}$  NMR spectrum of mollicellin R (4) (Acetone- $d_6$ , 150 MHz)

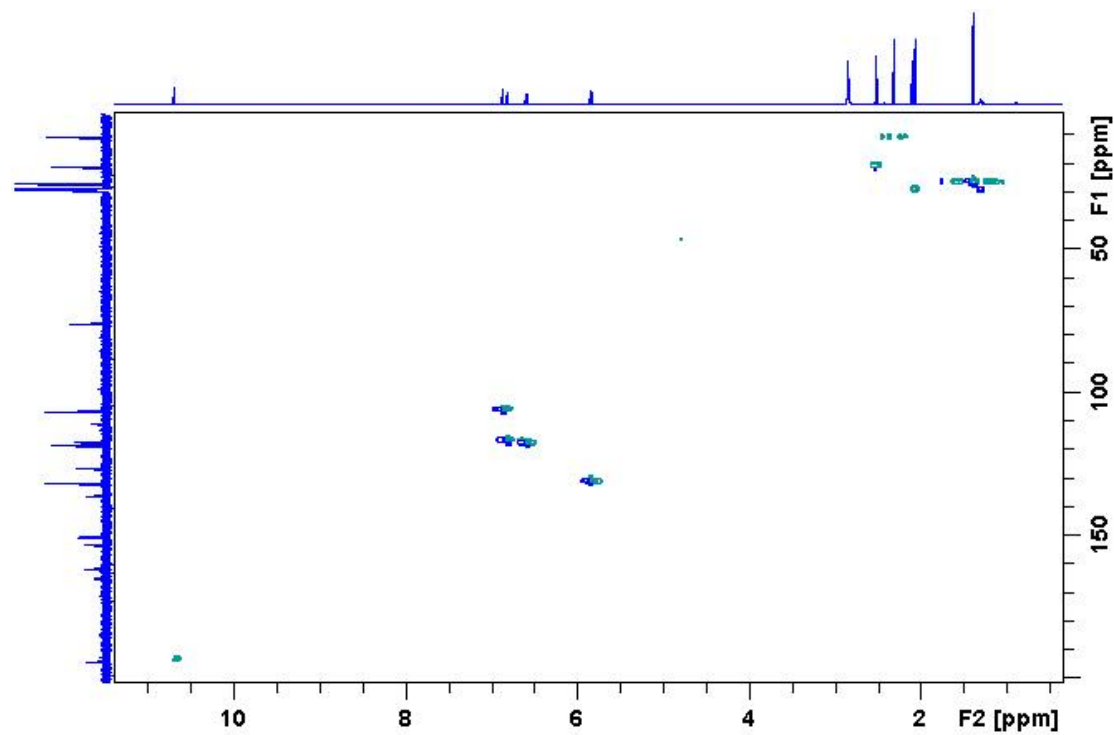


Figure S4.5 HSQC spectrum of mollicellin R (4) (Acetone- $d_6$ )

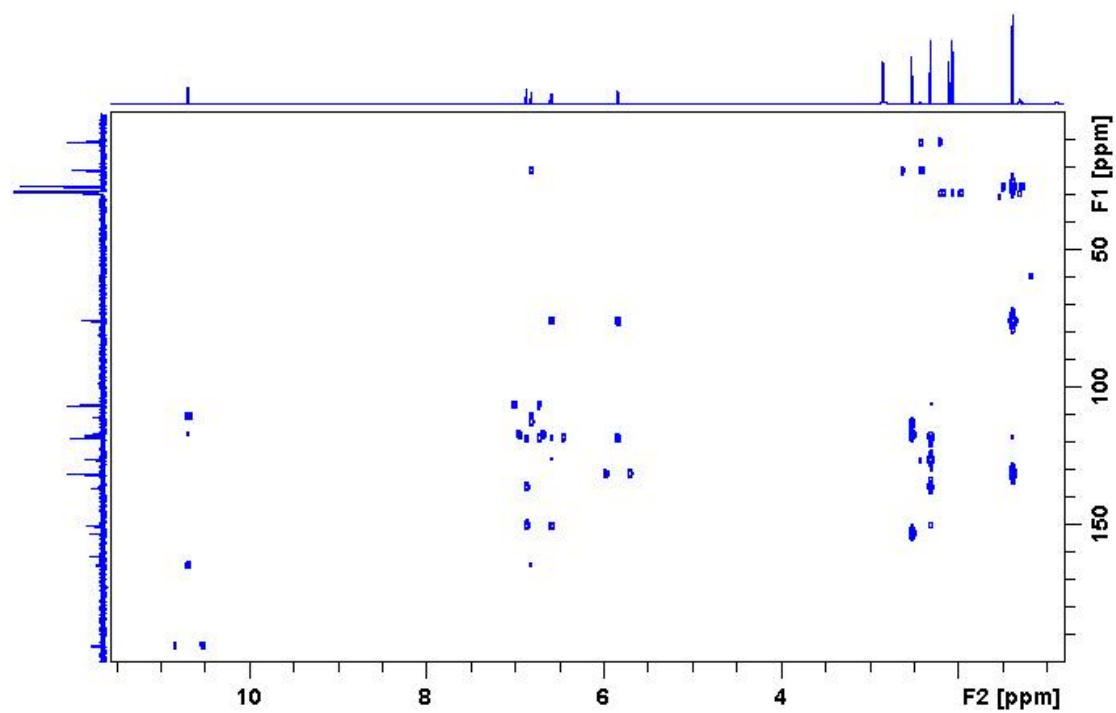


Figure S4.6 HMBC spectrum of mollicellin R (4) (Acetone- $d_6$ )

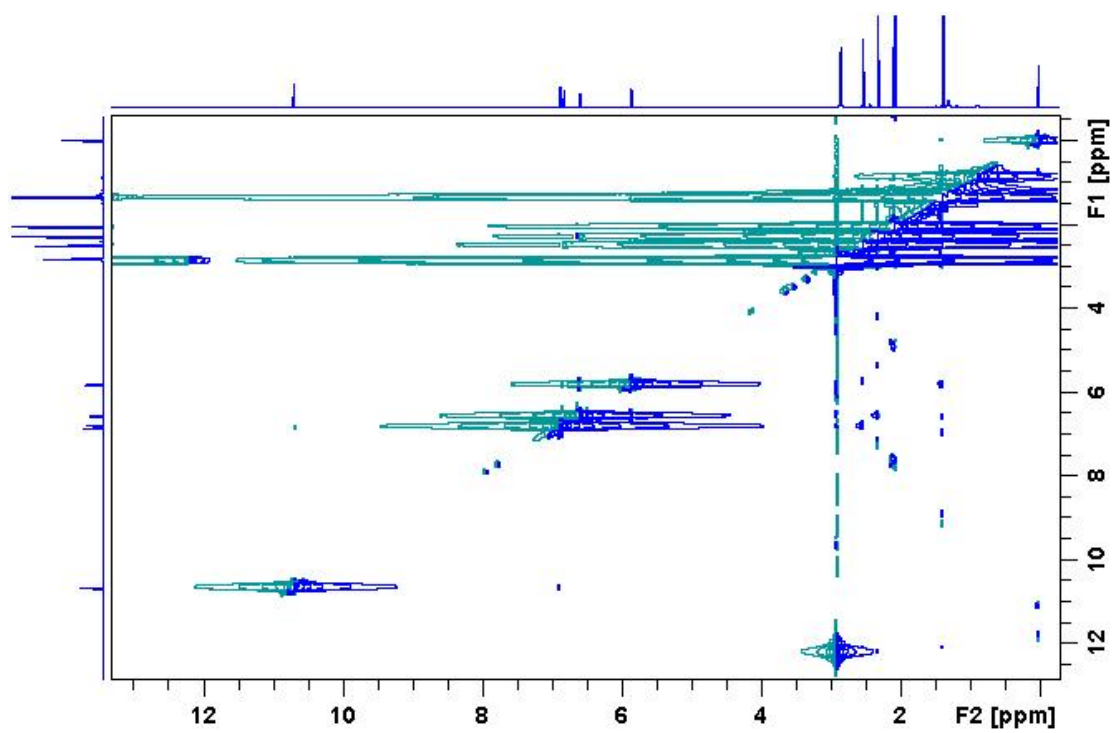


Figure S4.7 NOESY spectrum of mollicellin R (4) (Acetone- $d_6$ )

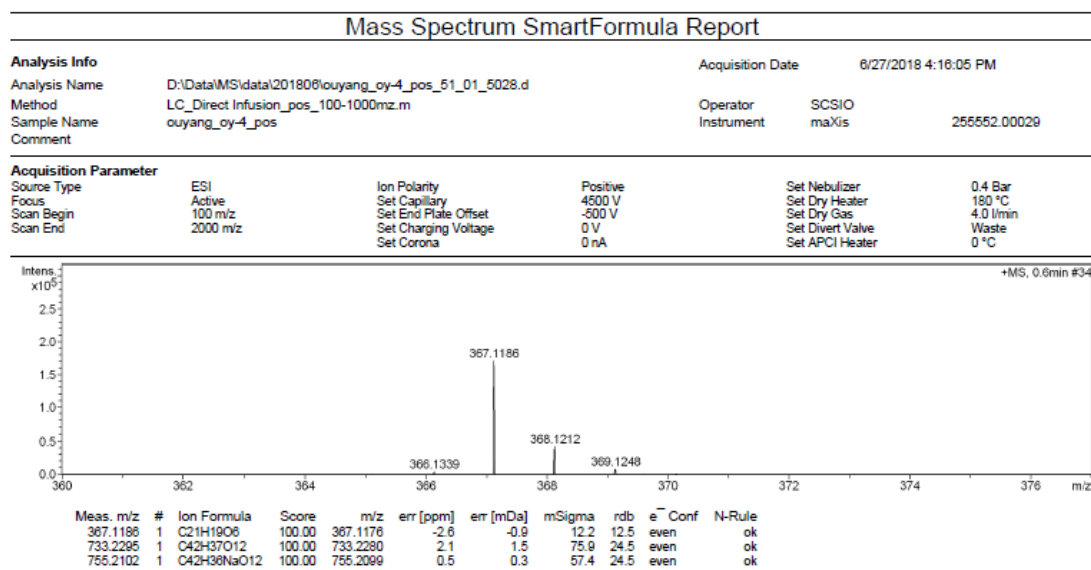


Figure S4.8 HR-ESI-MS spectrum of mollicellin R (4)

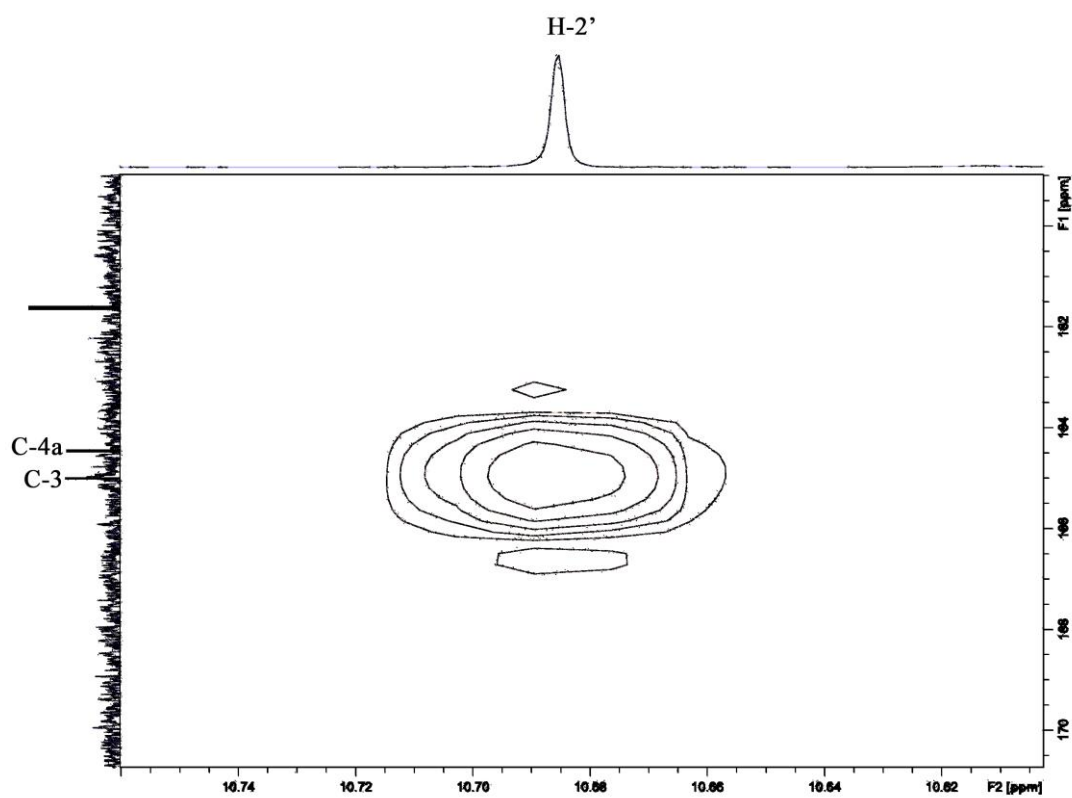


Figure S4.9 HMBC correlation of H-2' with C-4a and C-3 in mollicellin R (4)

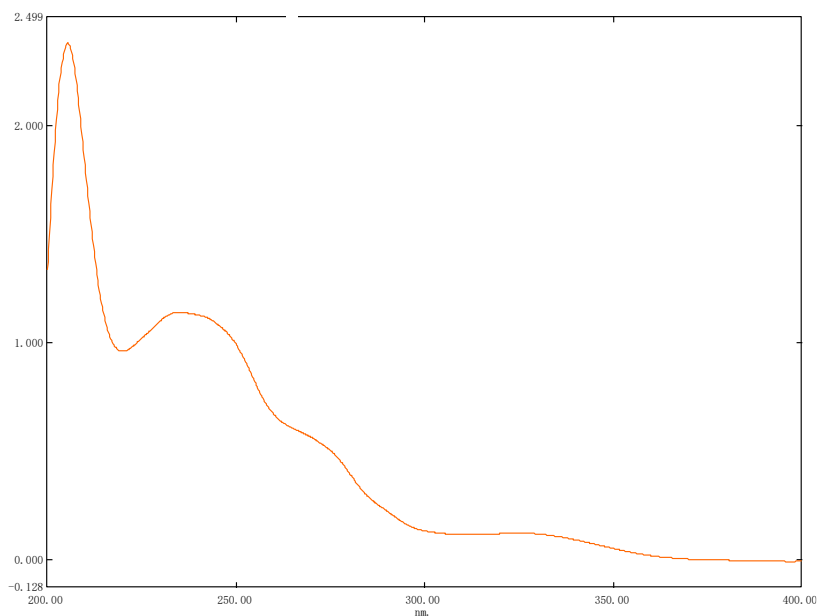


Figure S5.1 UV spectrum of mollicellin G (5)

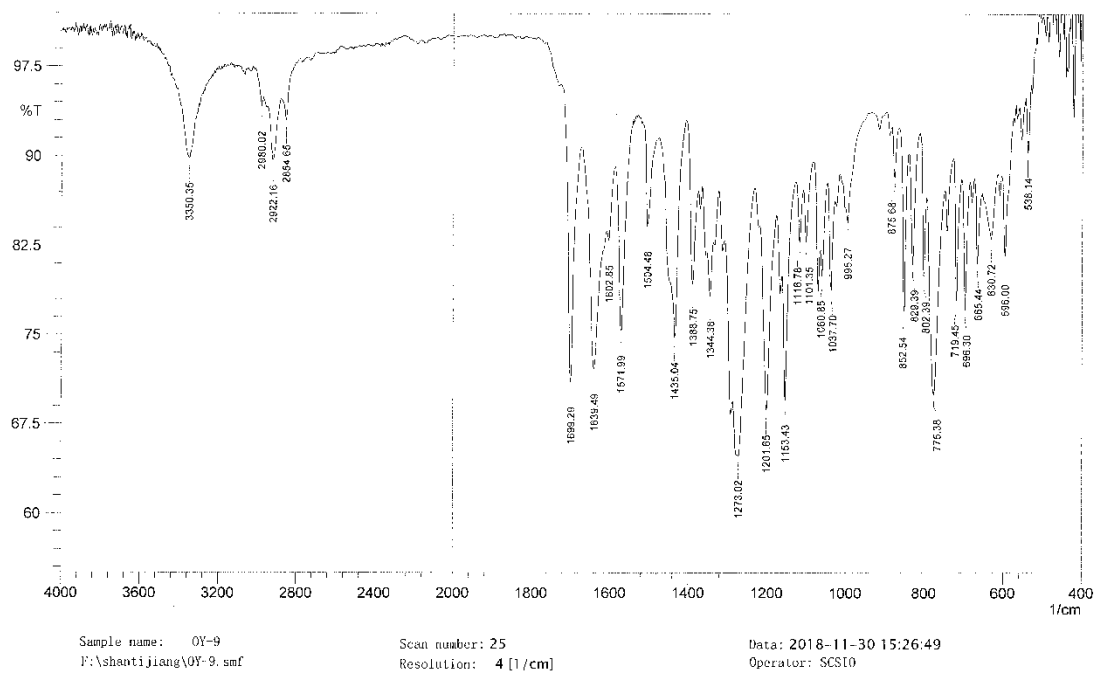


Figure S5.2 IR spectrum of mollicellin G (5)

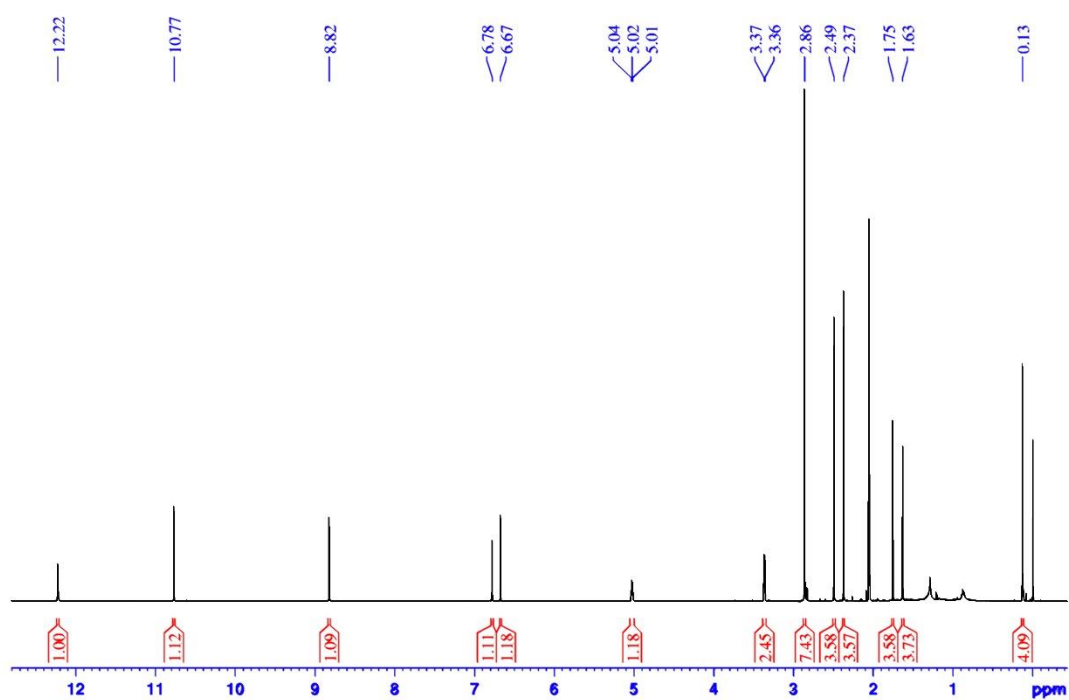


Figure S5.3  $^1\text{H}$  NMR spectrum of mollicellin G (5) (Acetone- $d_6$ , 600MHz)

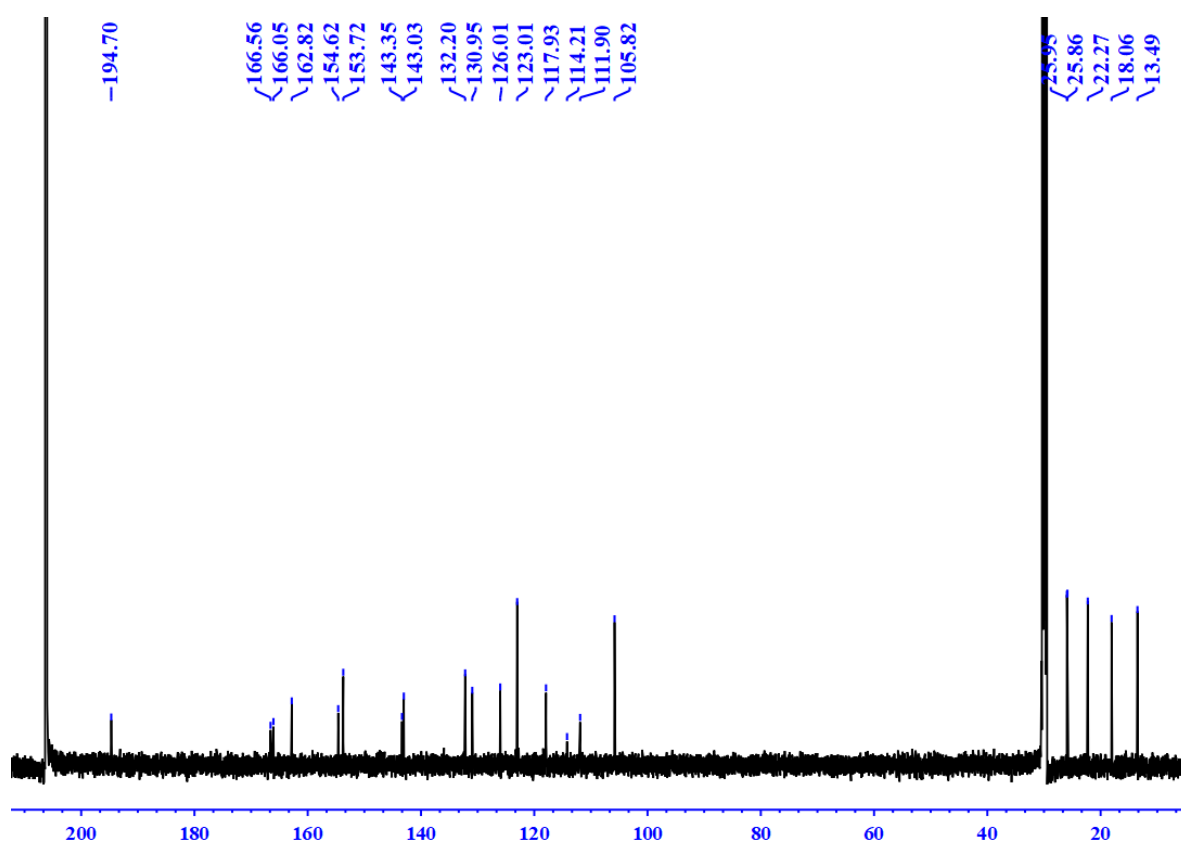
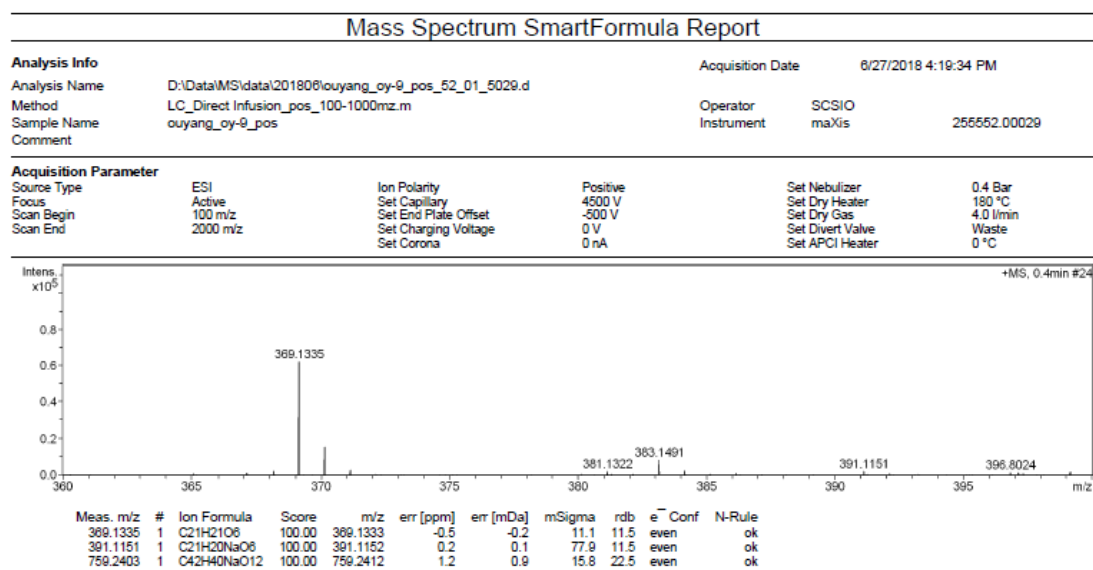
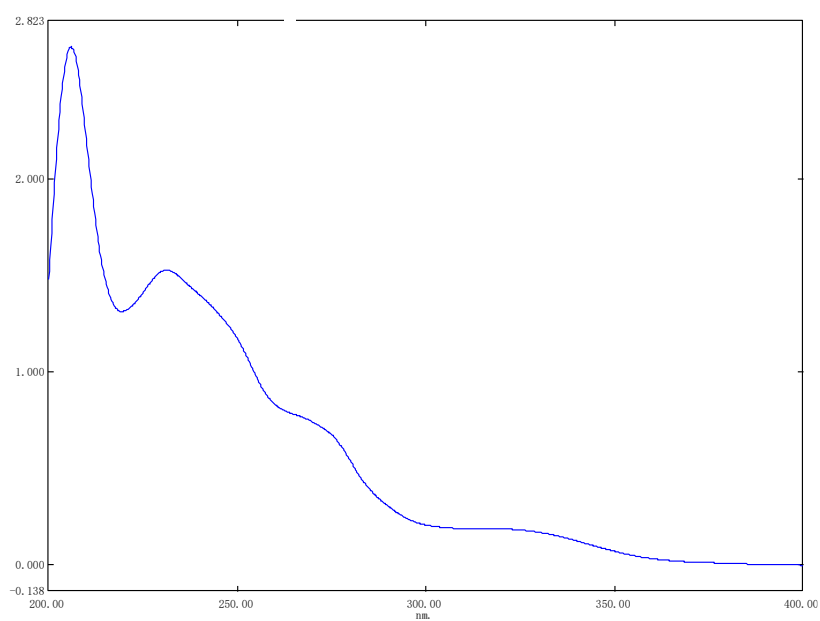


Figure S5.4  $^{13}\text{C}$  NMR spectrum of mollicellin G (5) (Acetone- $d_6$ , 600MHz)



**Figure S5.5** HR-ESI-MS spectrum of mollicellin G (5)



**Figure S6.1** UV spectrum of mollicellin H (6)



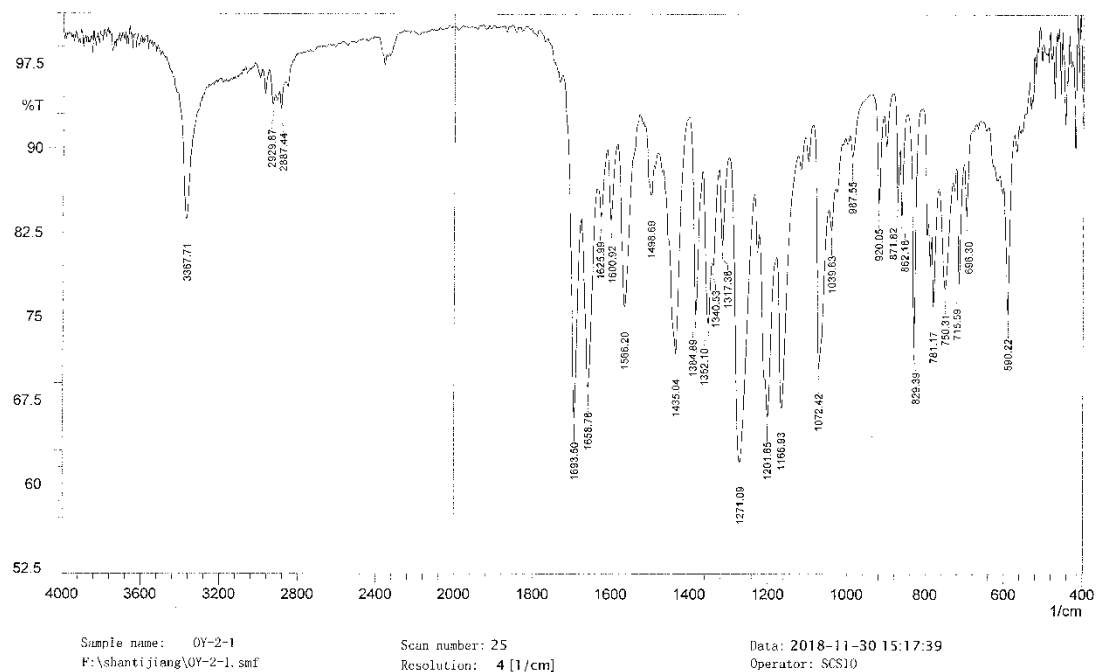
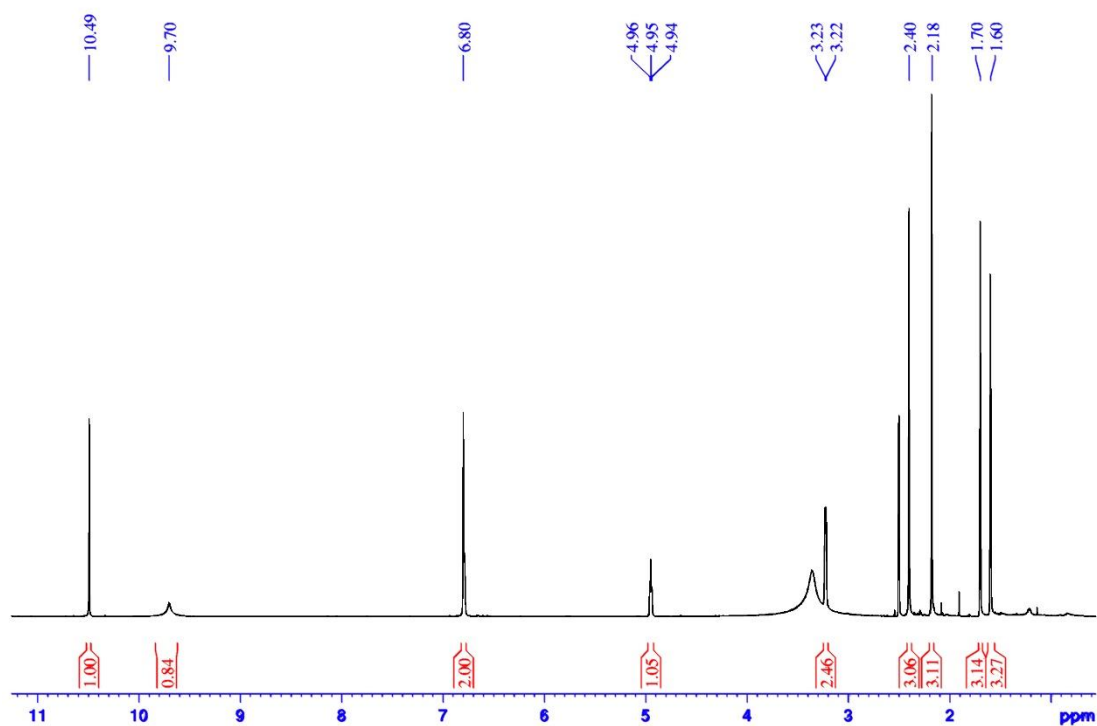


Figure S6.2 IR spectrum of mollicellin H (6)

Figure S6.3  $^1\text{H}$  NMR spectrum of mollicellin H (6) ( $\text{DMSO-}d_6$ , 600MHz)

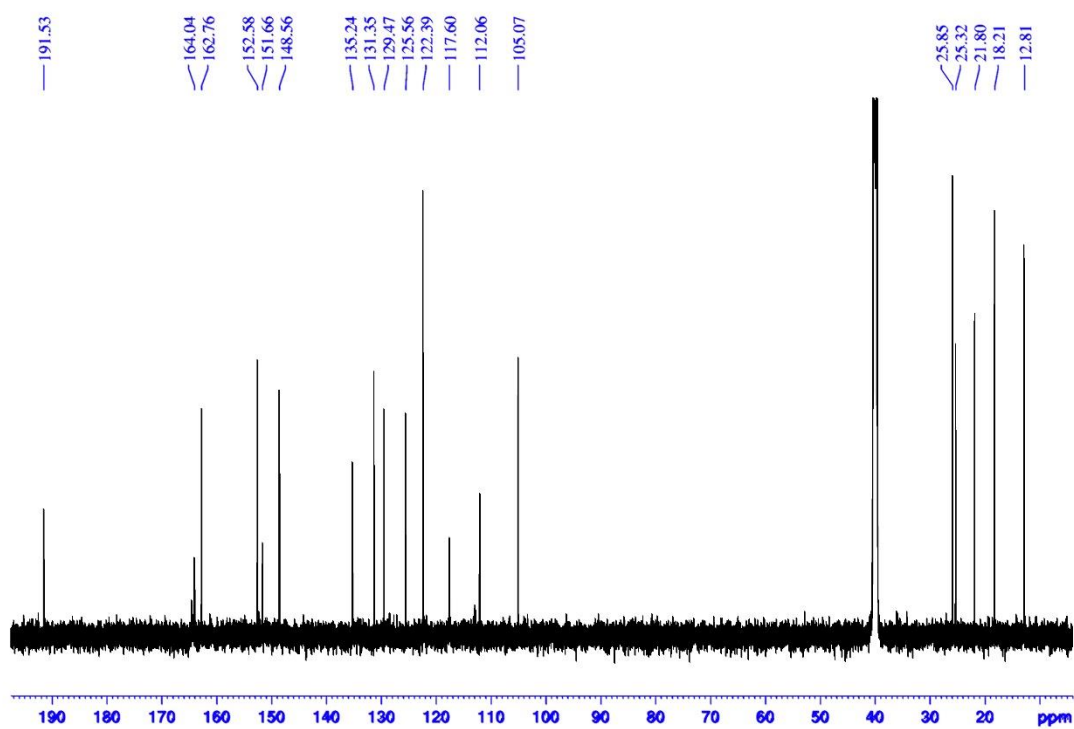


Figure S6.4  $^{13}\text{C}$  NMR spectrum of mollicellin H (6) ( $\text{DMSO-}d_6$ , 150 MHz)

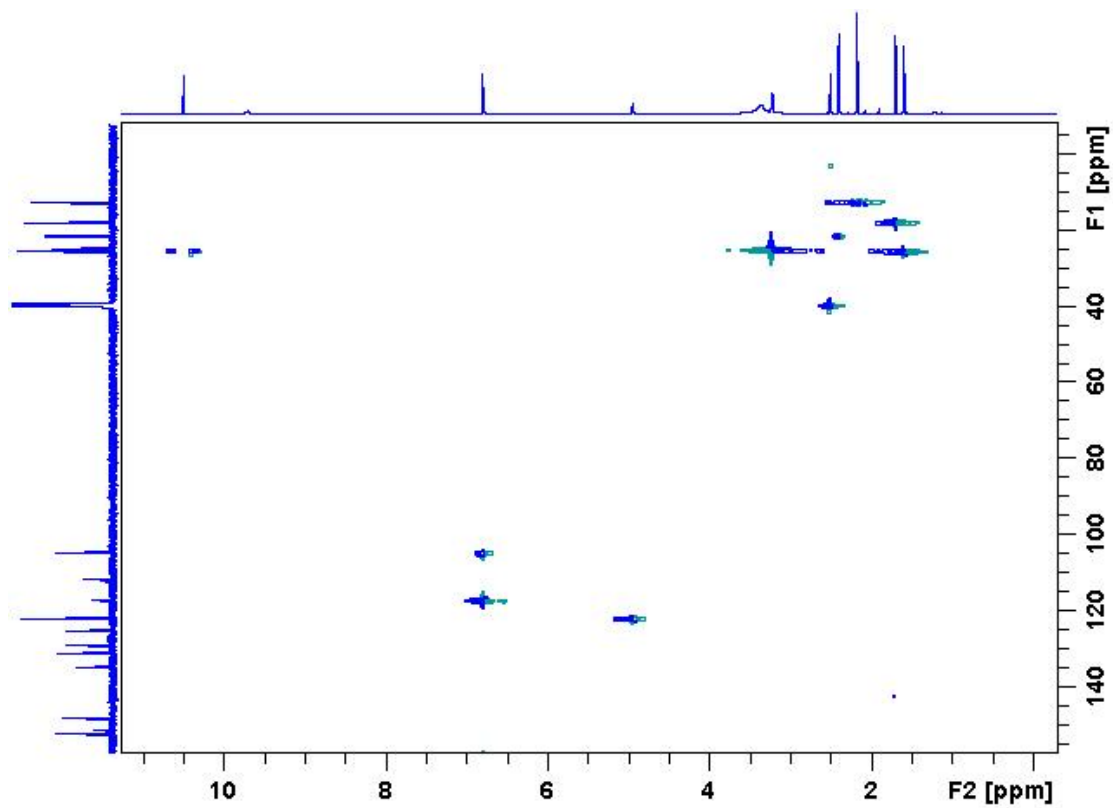


Figure S6.5 HSQC spectrum of mollicellin H (6) ( $\text{DMSO-}d_6$ )

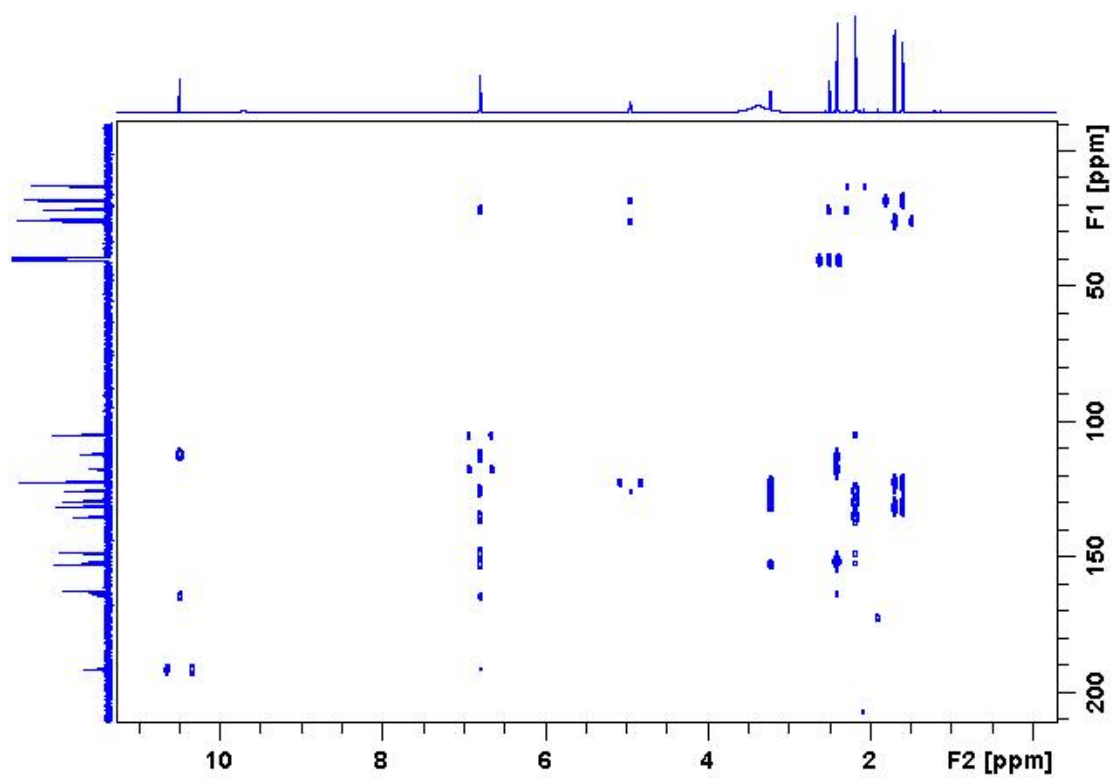


Figure S6.6 HMBC spectrum of mollicellin H (6) (DMSO- $d_6$ )

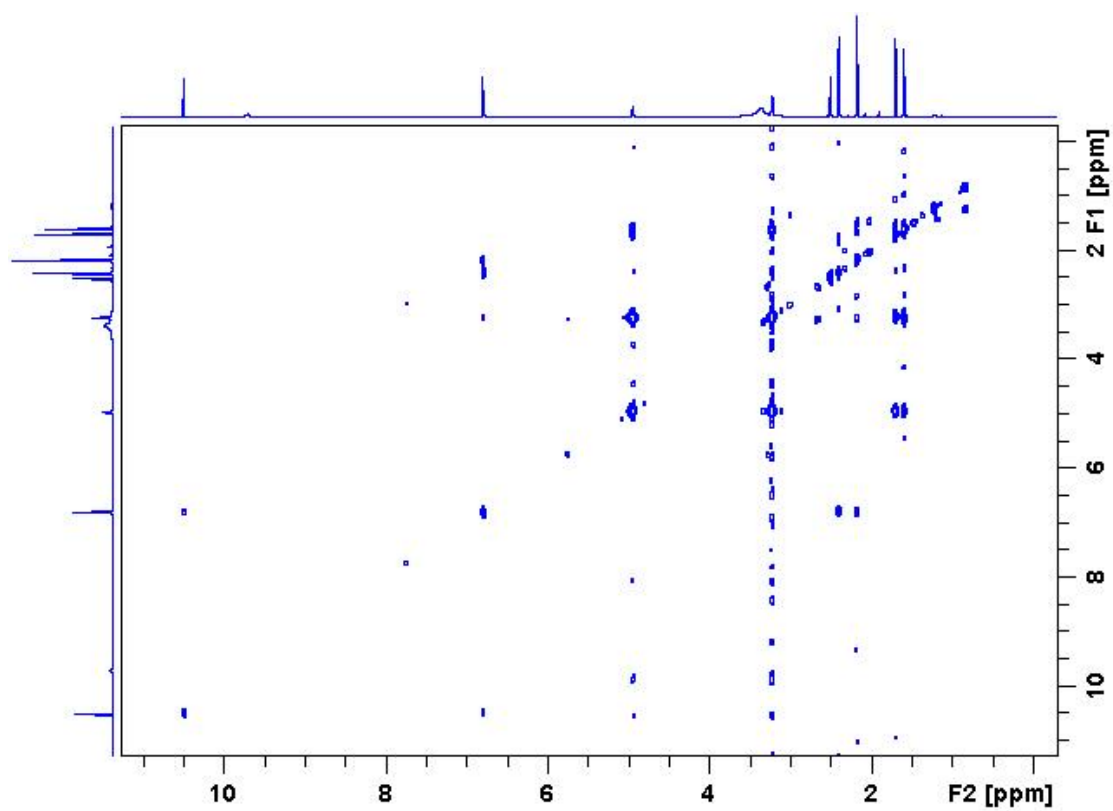


Figure S6.7 NOESY spectrum of mollicellin H (6) (DMSO- $d_6$ )

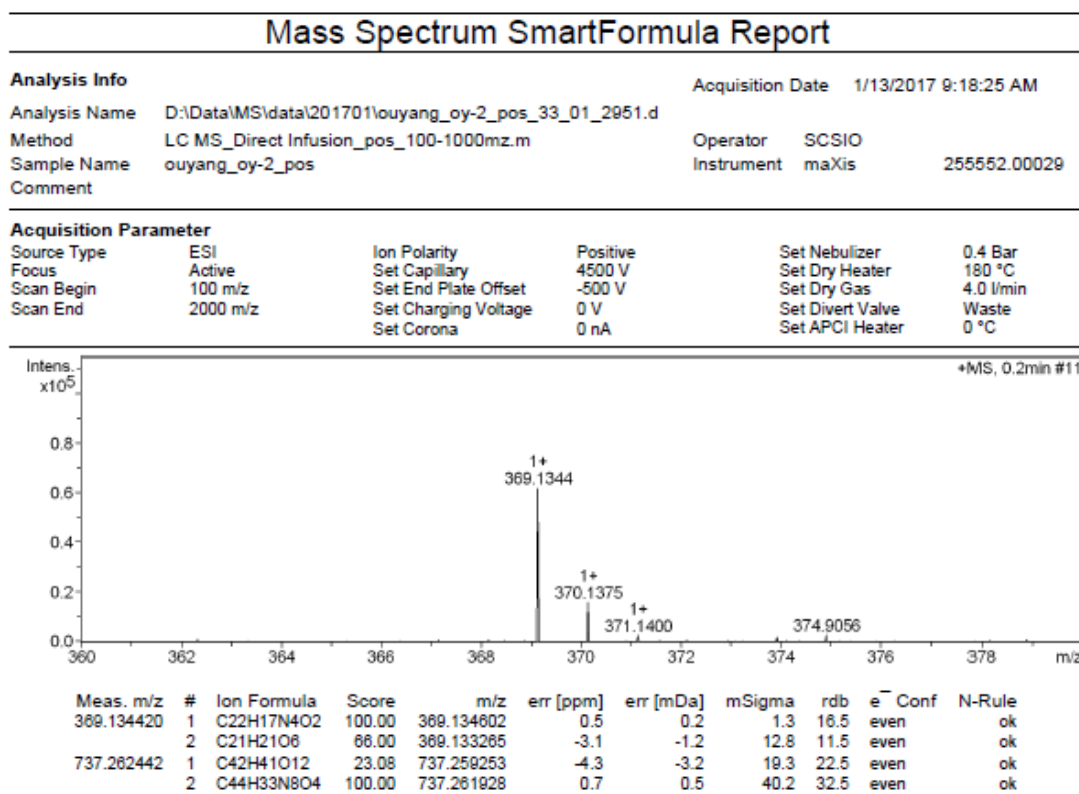
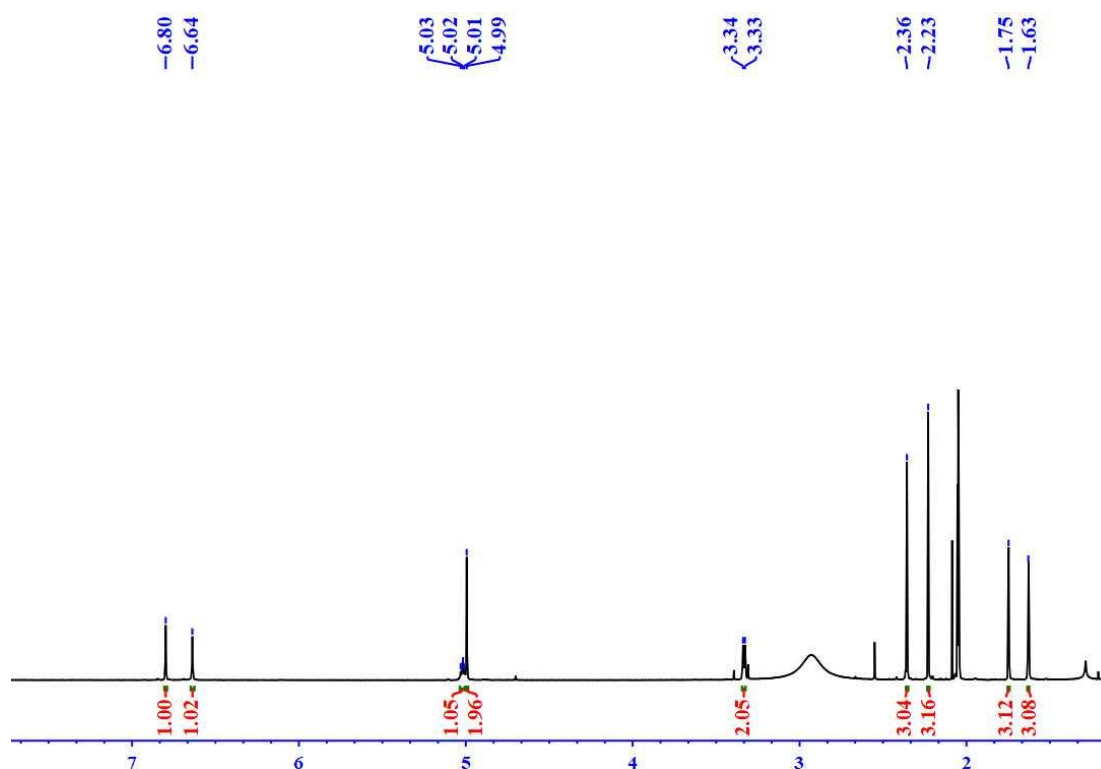


Figure S6.8 HR-ESI-MS spectrum of mollicellin H (6)

Figure S7.1 <sup>1</sup>H NMR spectrum of mollicellin I (7) (Acetone-*d*<sub>6</sub>, 600MHz)

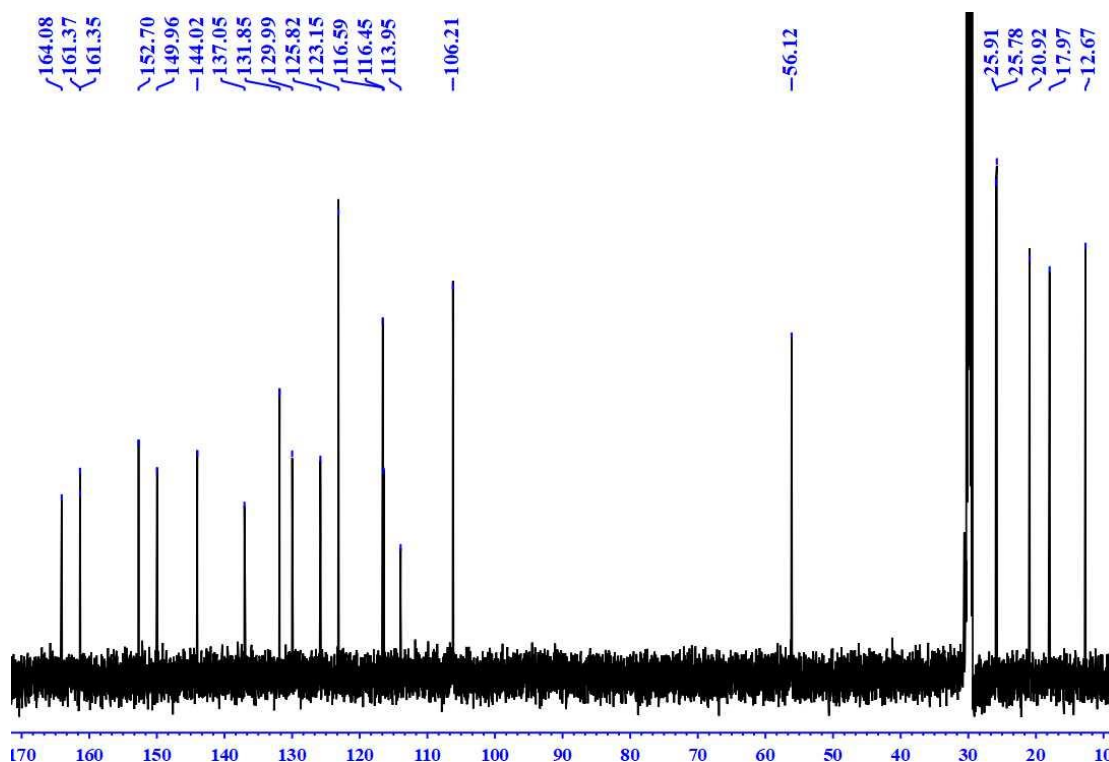


Figure S7.2  $^{13}\text{C}$  NMR spectrum of mollicellin I (7) (Acetone- $d_6$ , 600MHz)

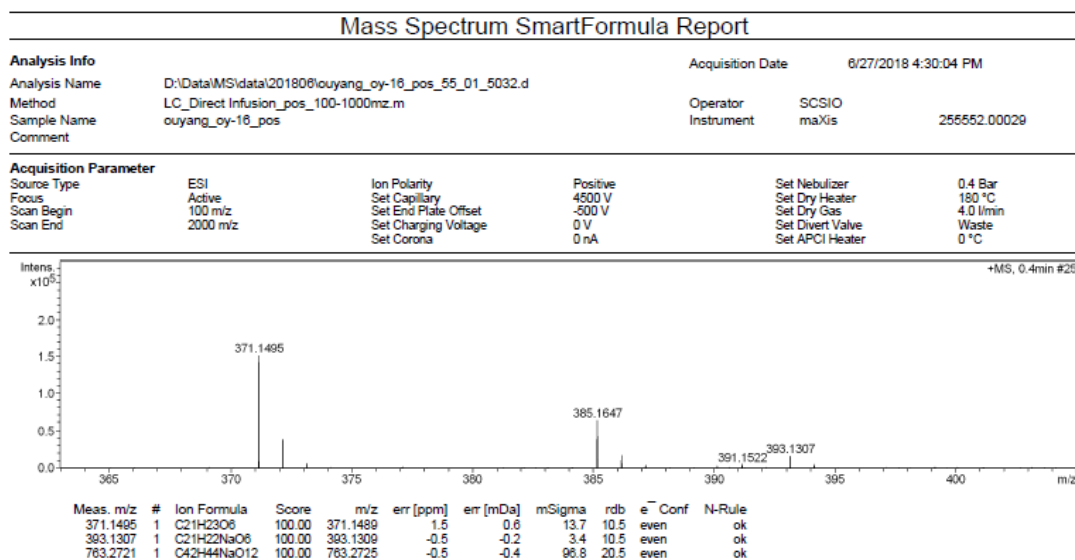


Figure S7.3 HR-ESI-MS spectrum of mollicellin I (7)



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