

## Supplementary Information

**Figure S1.** HPLC-UV chromatogram from final RP purification step (Gilson).

**Figure S2.** LC-UV-MS diode array chromatograms for ngercheumicin F–I.

**Figure S3.** Selected regions of ESI<sup>+</sup> mass spectra for purified ngercheumicin F–I.

**Figure S4.** <sup>1</sup>H NMR spectrum for ngercheumicin F.

**Figure S5.** DQF-COSY for ngercheumicin F.

**Figure S6.** Multiplicity edited gHSQC for ngercheumicin F.

**Figure S7.** gHMBC for ngercheumicin F.

**Figure S8.** <sup>1</sup>H NMR spectrum for ngercheumicin G.

**Figure S9.** <sup>13</sup>C NMR spectrum for ngercheumicin G.

**Figure S10.** DQF-COSY for ngercheumicin G.

**Figure S11.** Multiplicity edited gHSQC for ngercheumicin G.

**Figure S12.** gHMBC for ngercheumicin G.

**Figure S13.** <sup>1</sup>H NMR spectrum for ngercheumicin H.

**Figure S14.** <sup>13</sup>C NMR spectrum for ngercheumicin H.

**Figure S15.** DQF-COSY for ngercheumicin H.

**Figure S16.** Multiplicity edited gHSQC for ngercheumicin H.

**Figure S17.** gHMBC for ngercheumicin H.

**Figure S18.** <sup>1</sup>H NMR spectrum for ngercheumicin I.

**Figure S19.** <sup>13</sup>C NMR spectrum for ngercheumicin I.

**Figure S20.** DQF-COSY for ngercheumicin I.

**Figure S21.** Multiplicity edited gHSQC for ngercheumicin I.

**Figure S22.** gHMBC for ngercheumicin I.

**Figure S23.** Key HMBC and H2BC correlations in the fatty acid chain of Ngercheumicin F.

**Figure S24.** Northern blot results for ngercheumicin F–I.

**Figure S25.** Plate assay results in the colorimetric *S. aureus lacZ* reporter assay against *S. aureus* 8325-4.

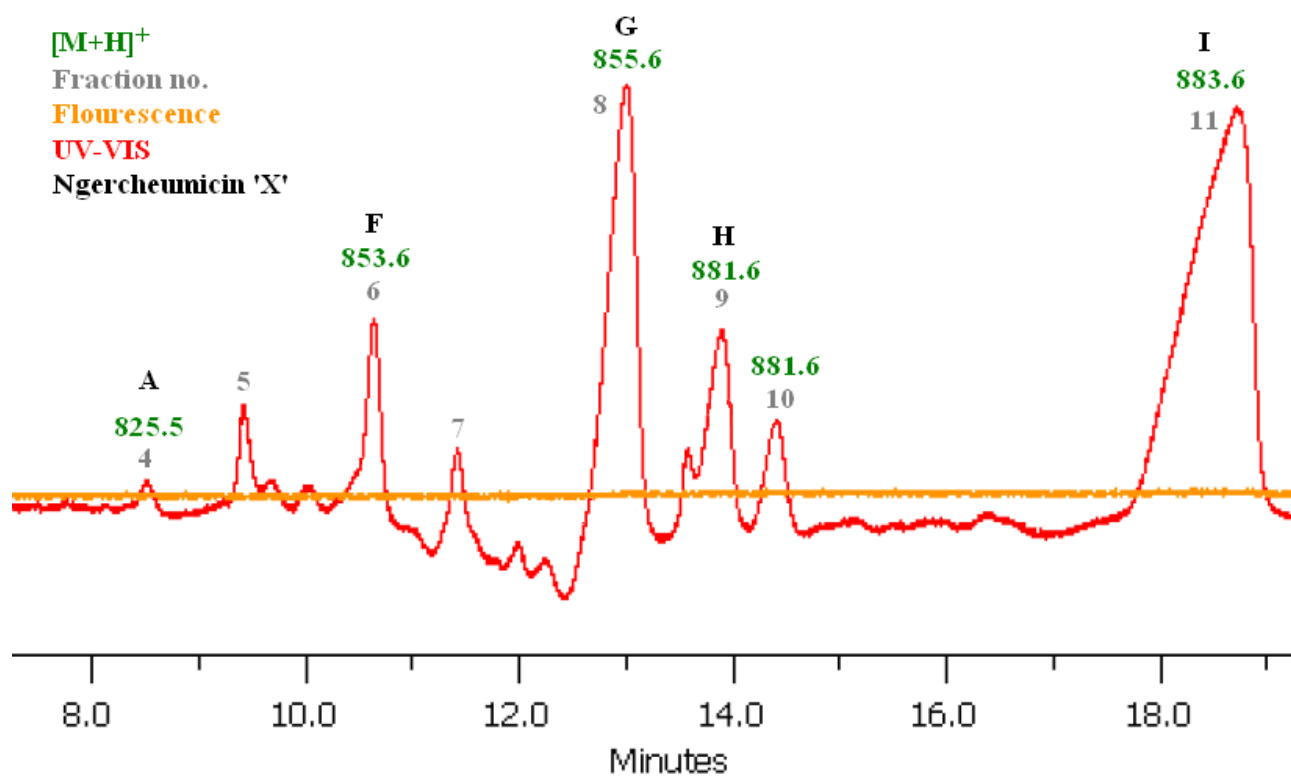
**Table S1.** NMR table for ngercheumicin F.

**Table S2.** NMR table for Ngercheumicin G.

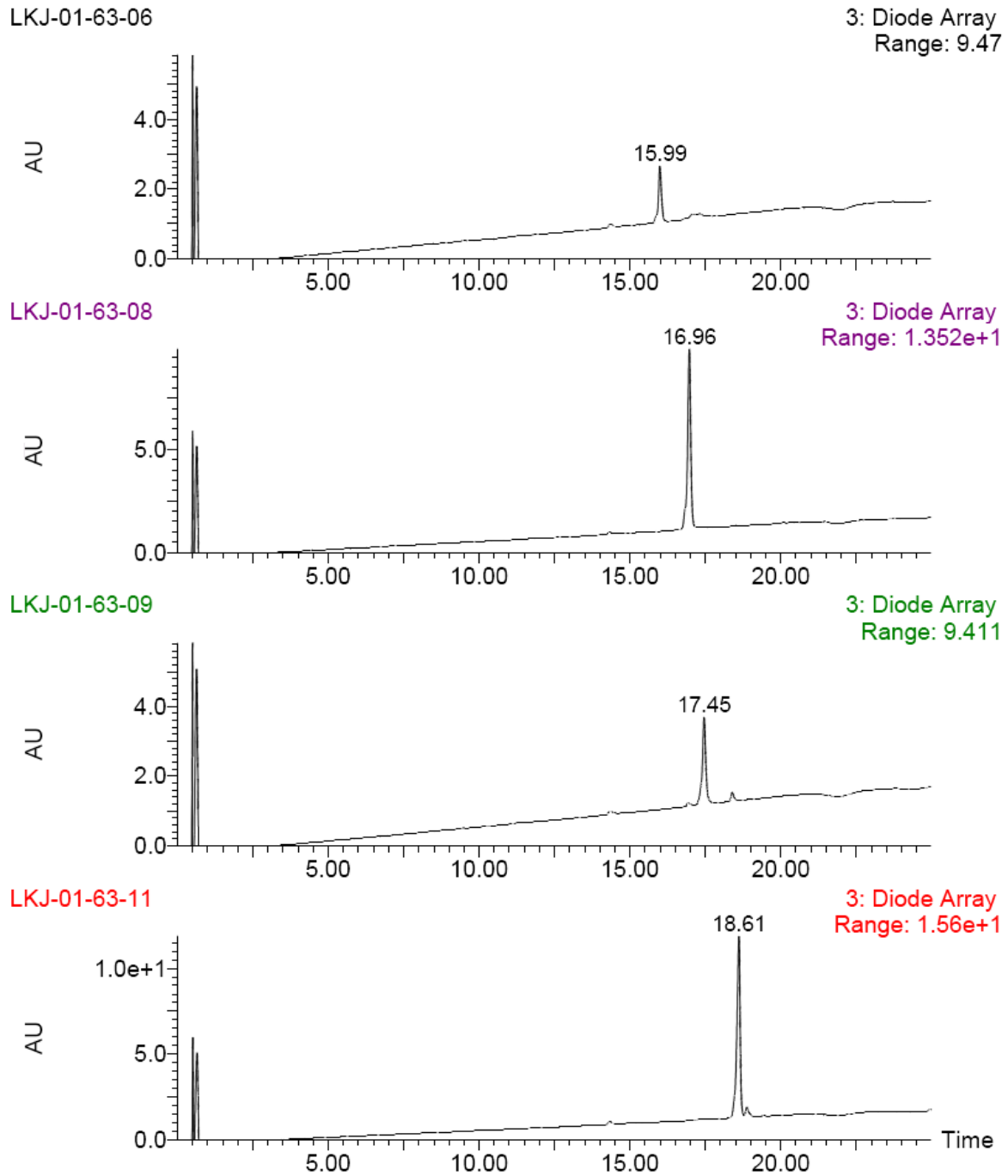
**Table S3.** NMR table for Ngercheumicin H.

**Table S4.** NMR table for Ngercheumicin I.

**Figure S1.** Detector response from HPLC purification of ngercheumicins, where fractions 6, 8, 9 and 11 gave ngercheumicin F, G, H and I, respectively. Fraction size is not shown, as these are pooled fractions from the automatic fractionation. Fraction 7 and 10 contains isomers of ngercheumicin F and H.



**Figure S2.** Diode array detected (200–700 nm) chromatograms for purified samples of ngercheumicin F, G, H and I (from the top).



**Figure S3.** Selected region of the total ion chromatograms (TIC) of ngercheumicin F, G, H and I (from the top), showing  $[M + H]^+$ ,  $[M + NH_4]^+$  and weak  $[M + Na]^+$  adducts. Outside the range are also  $[2M + NH_4]^+$  at  $m/z$  1723–1784.

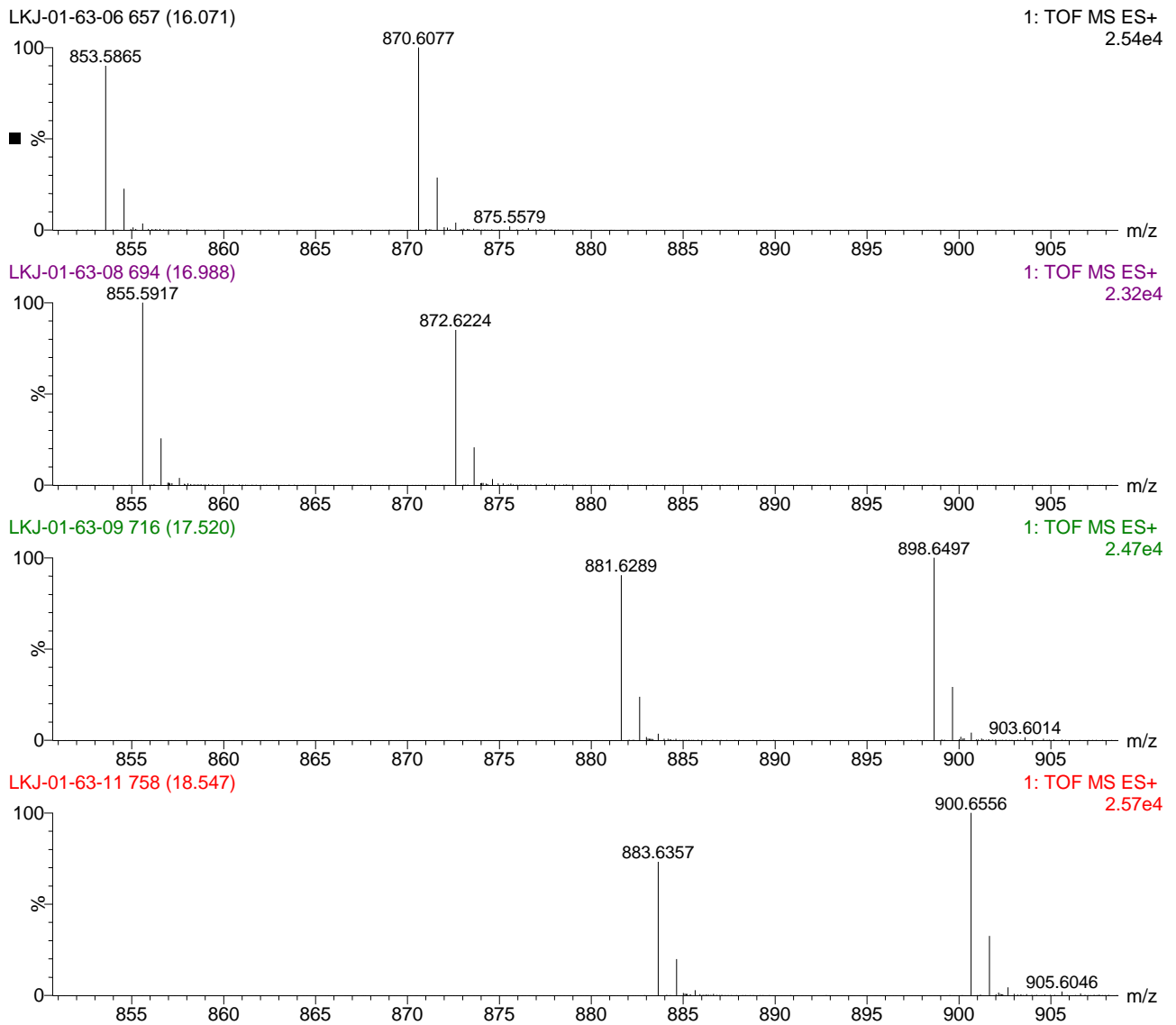


Figure S4.  $^1\text{H}$  spectrum for ngercheumicin F.

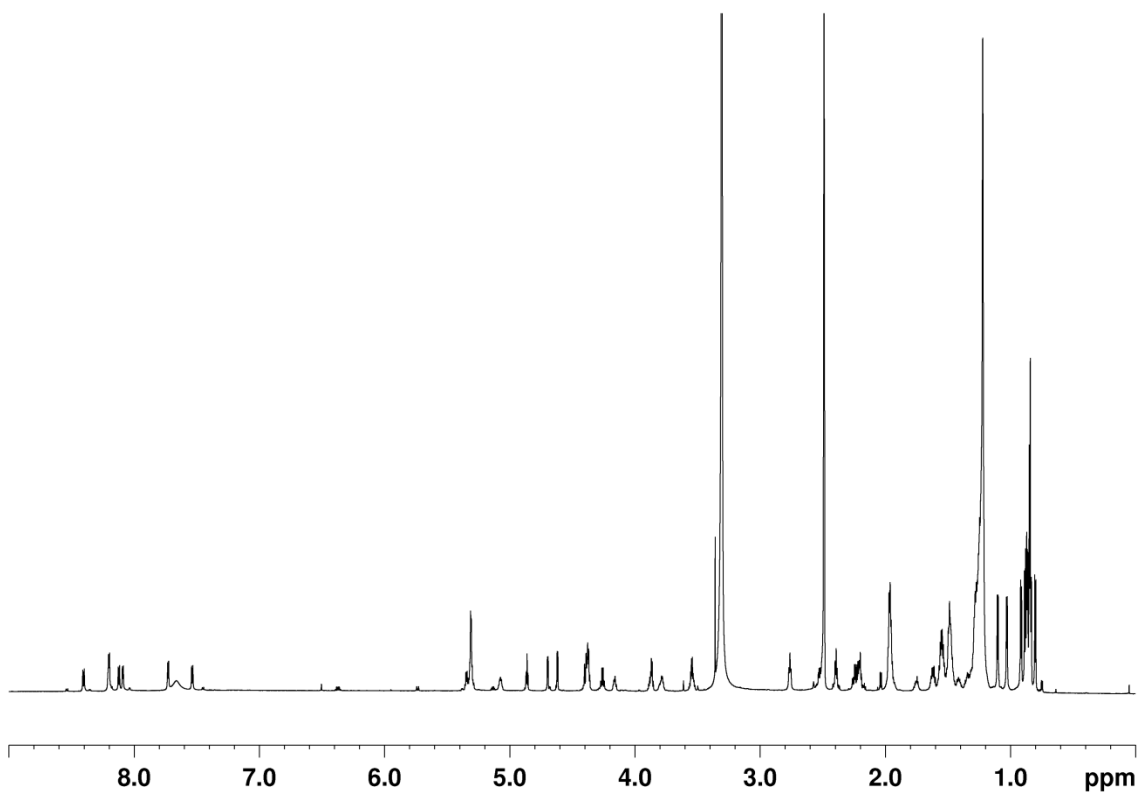


Figure S5. DQF-COSY for ngercheumicin F.

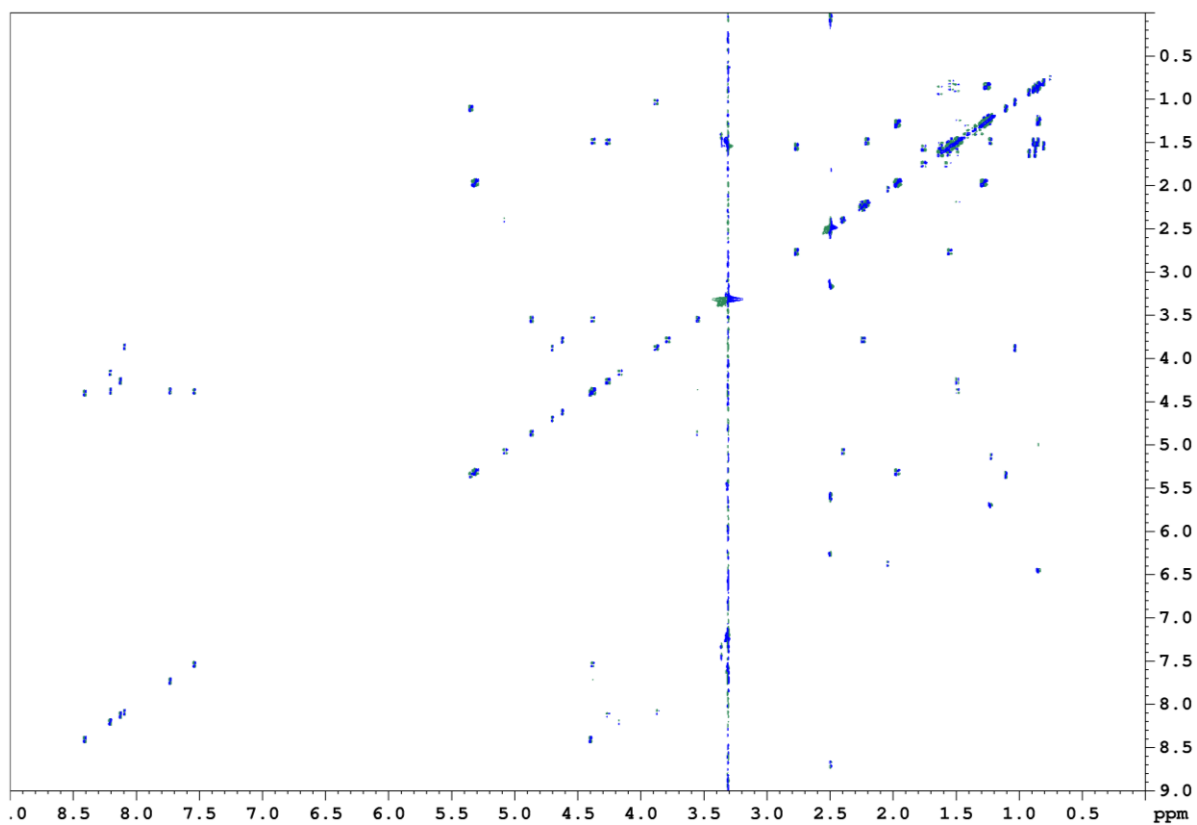


Figure S6. Multiplicity edited gHSQC for ngercheumicin F.

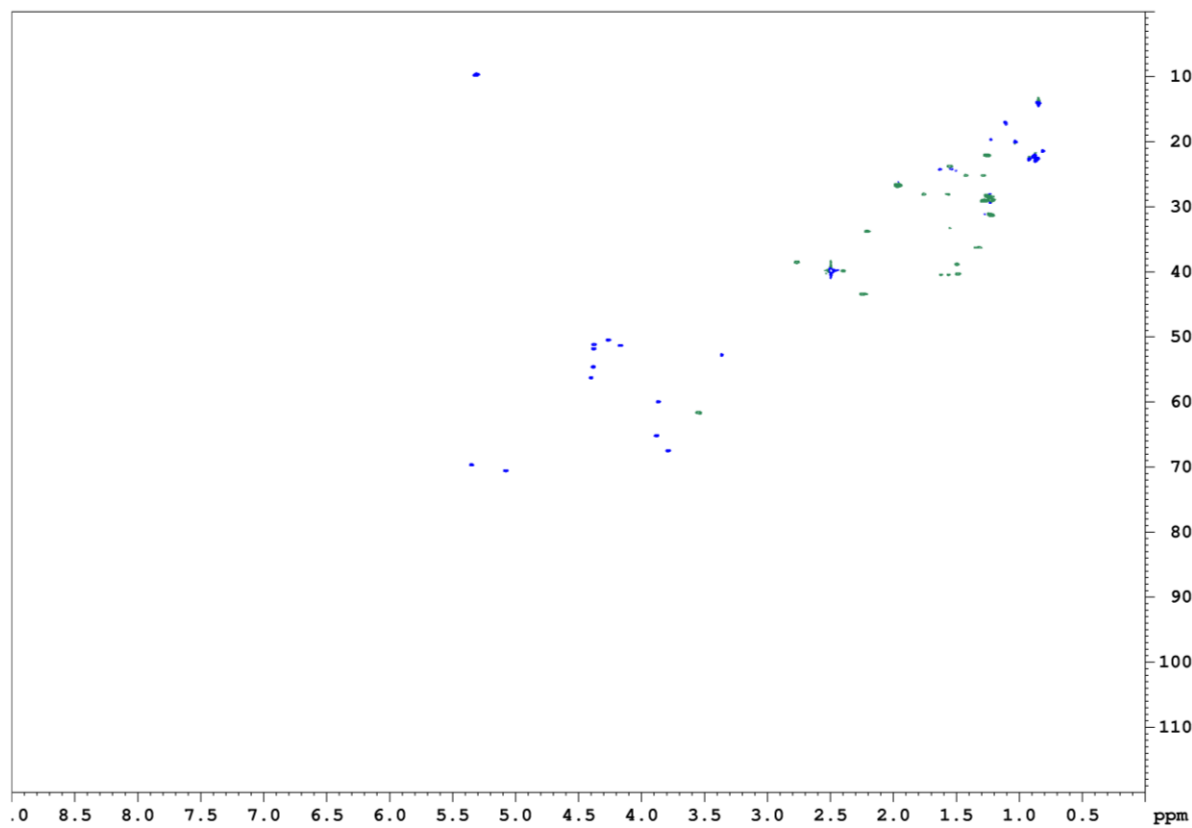


Figure S7. gHMBC for ngercheumicin F.

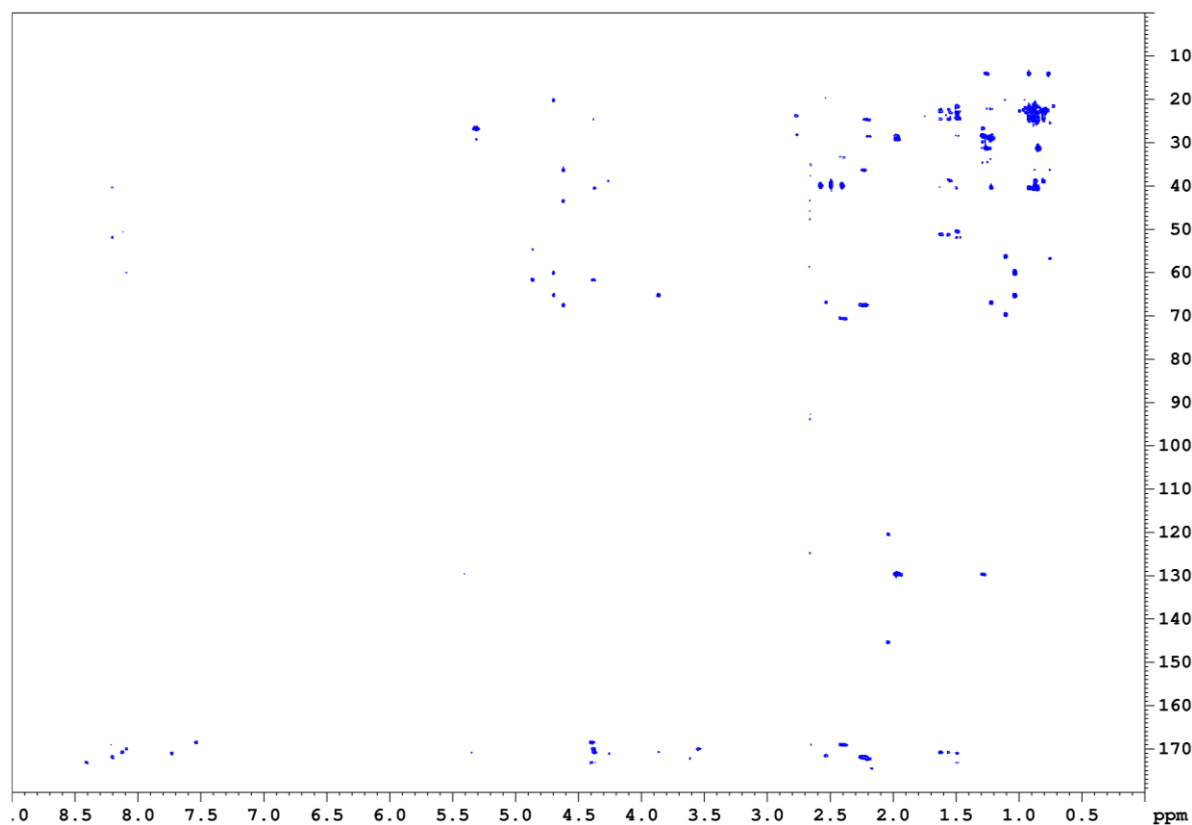


Figure S8.  $^1\text{H}$  spectrum for ngercheumicin G.

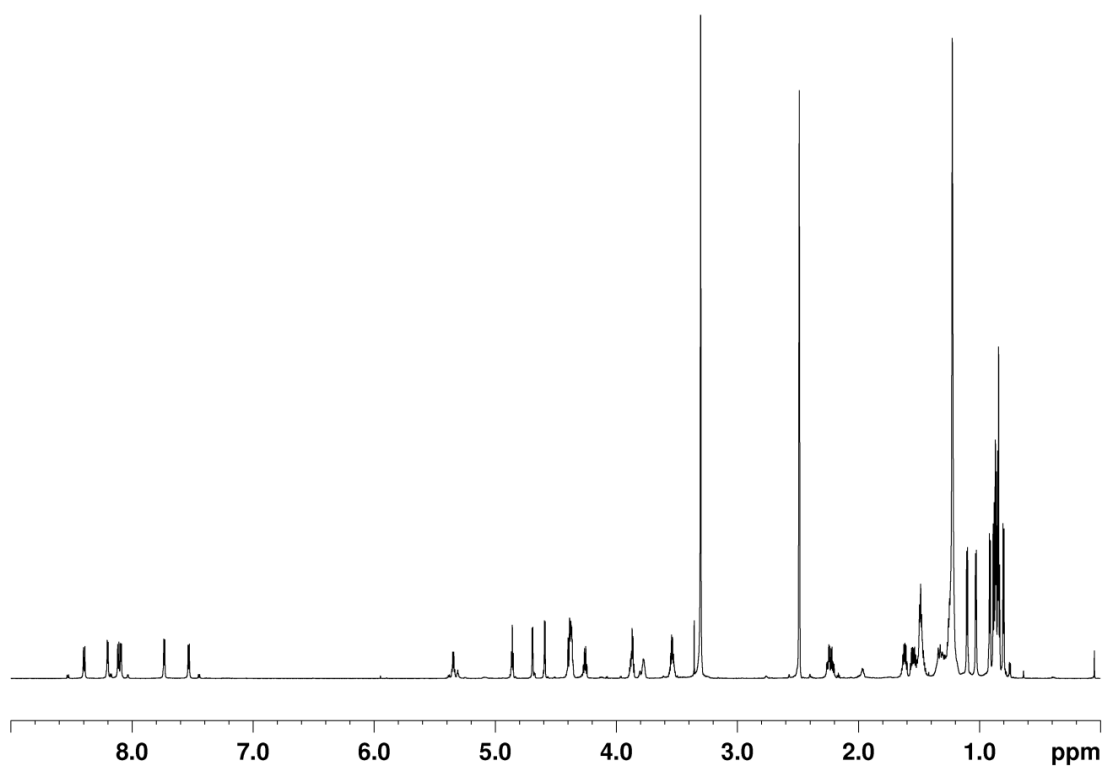


Figure S9.  $^{13}\text{C}$  spectrum for ngercheumicin G.

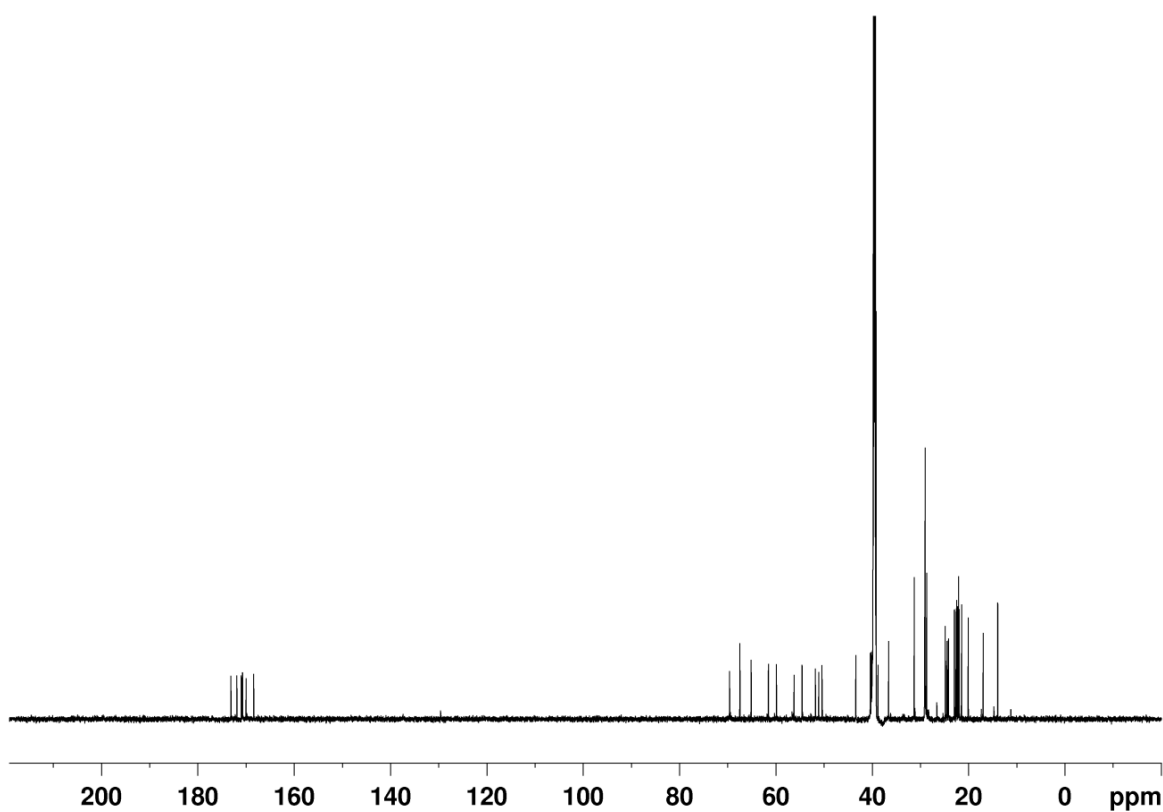


Figure S10. DQF-COSY for ngercheumicin G.

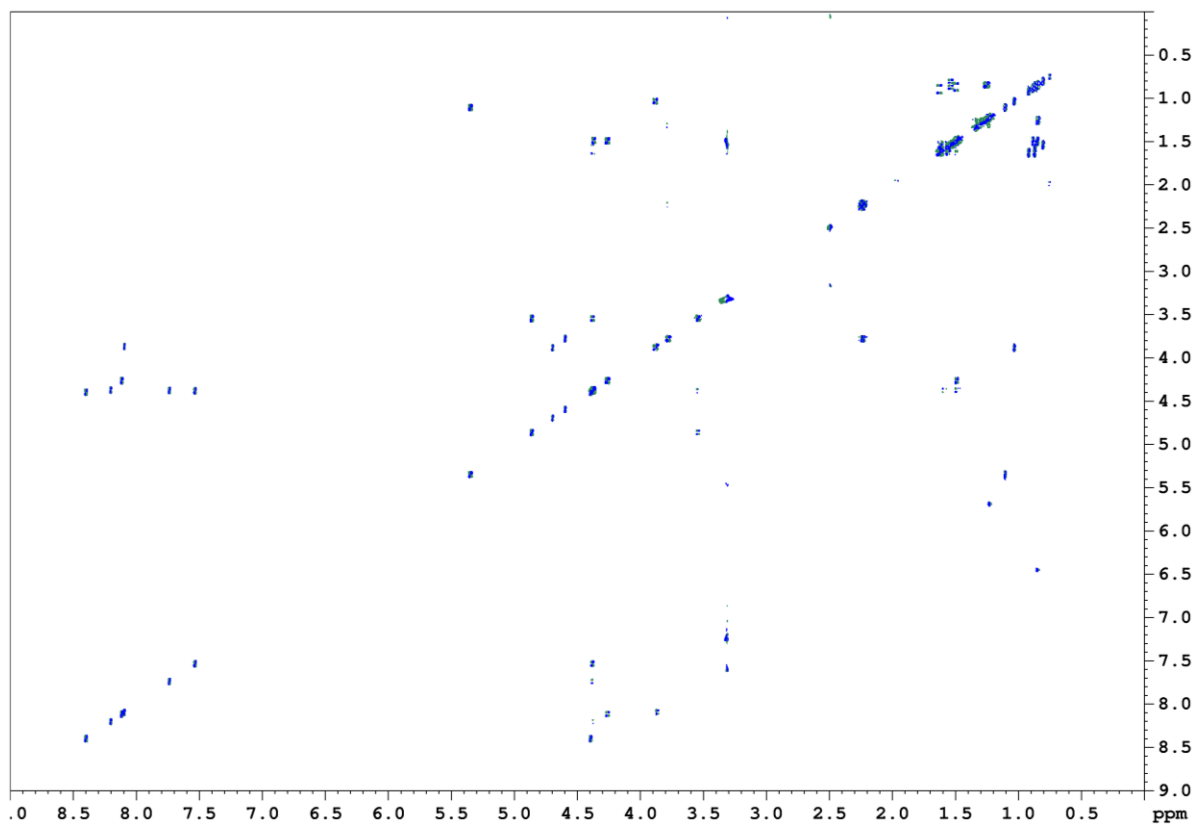


Figure S11. Multiplicity edited gHSQC for ngercheumicin G.

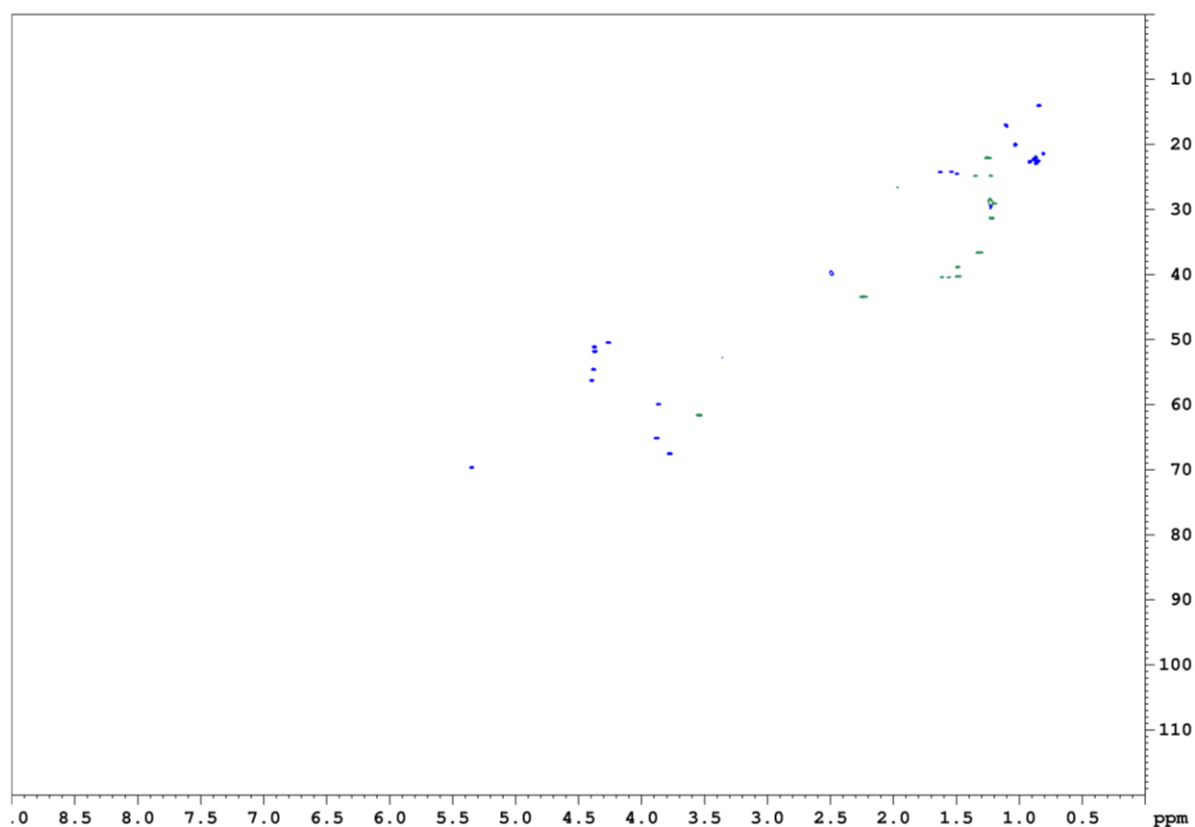




Figure S12. gHMBC for ngercheumicin G.

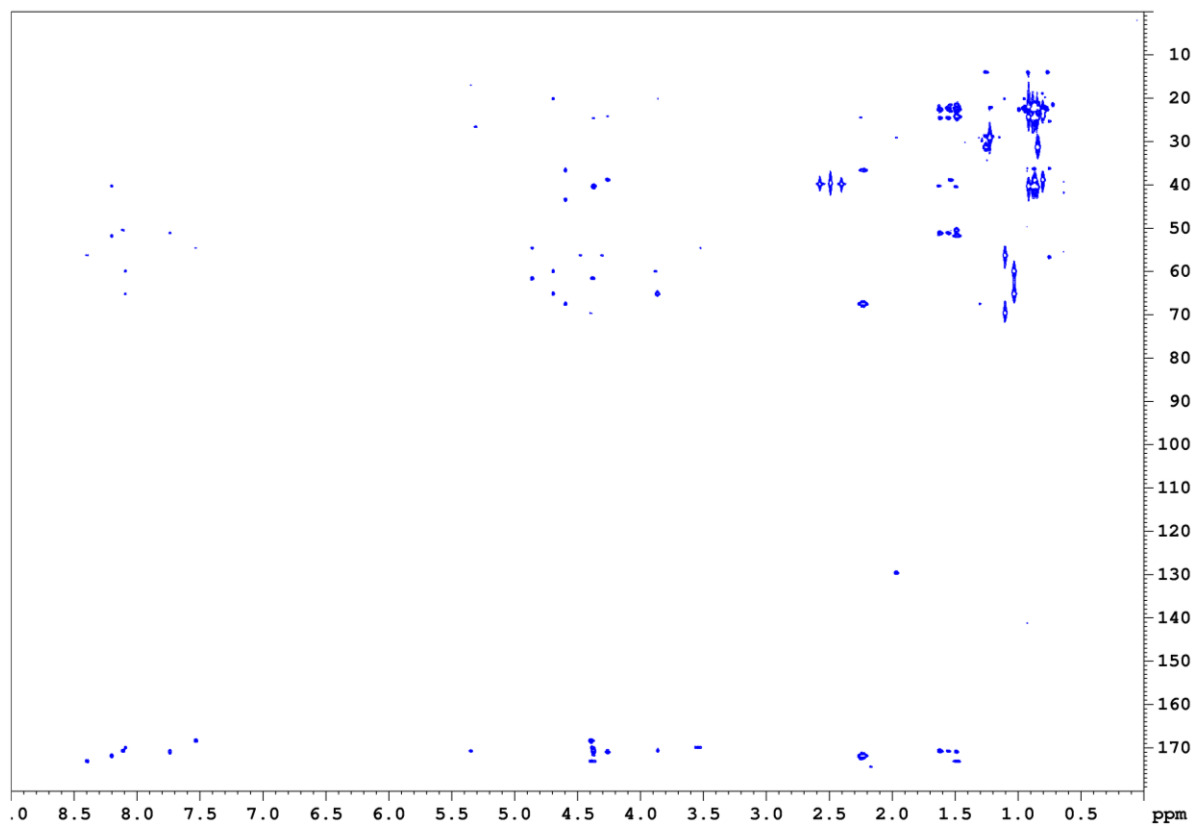


Figure S13.  $^1\text{H}$  spectrum for ngercheumicin H.

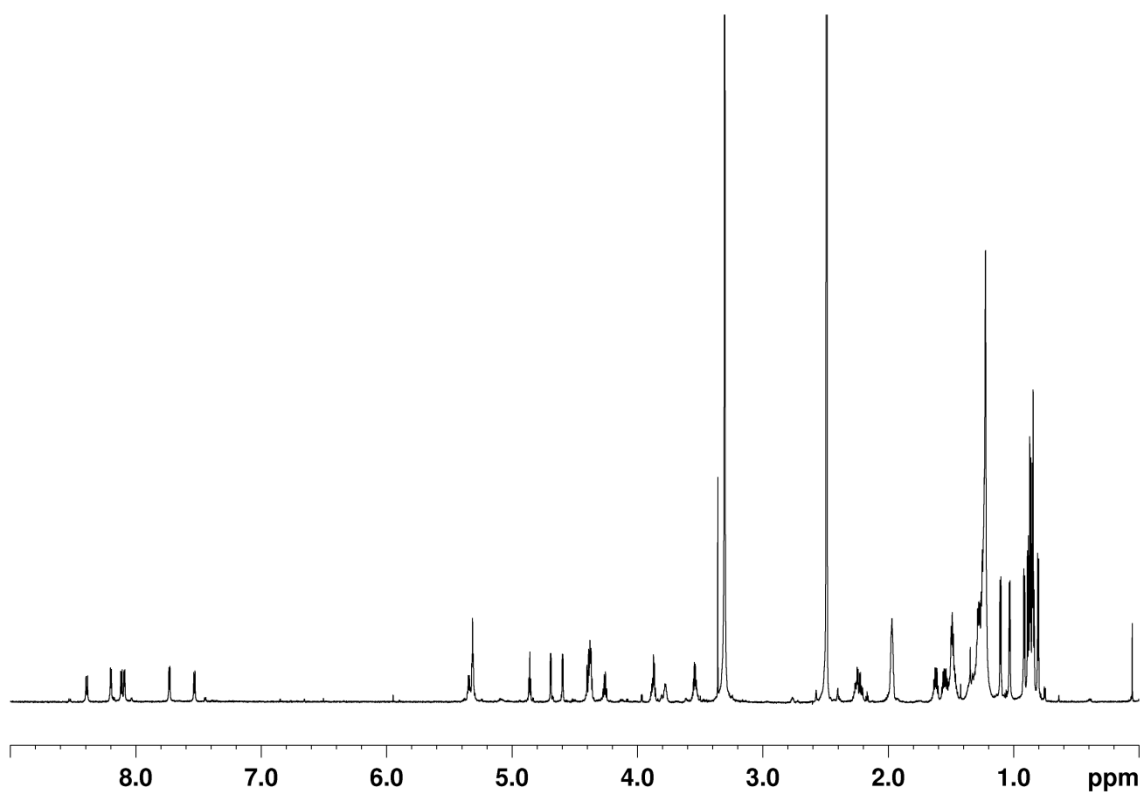


Figure S14.  $^{13}\text{C}$  spectrum for ngercheumicin H.

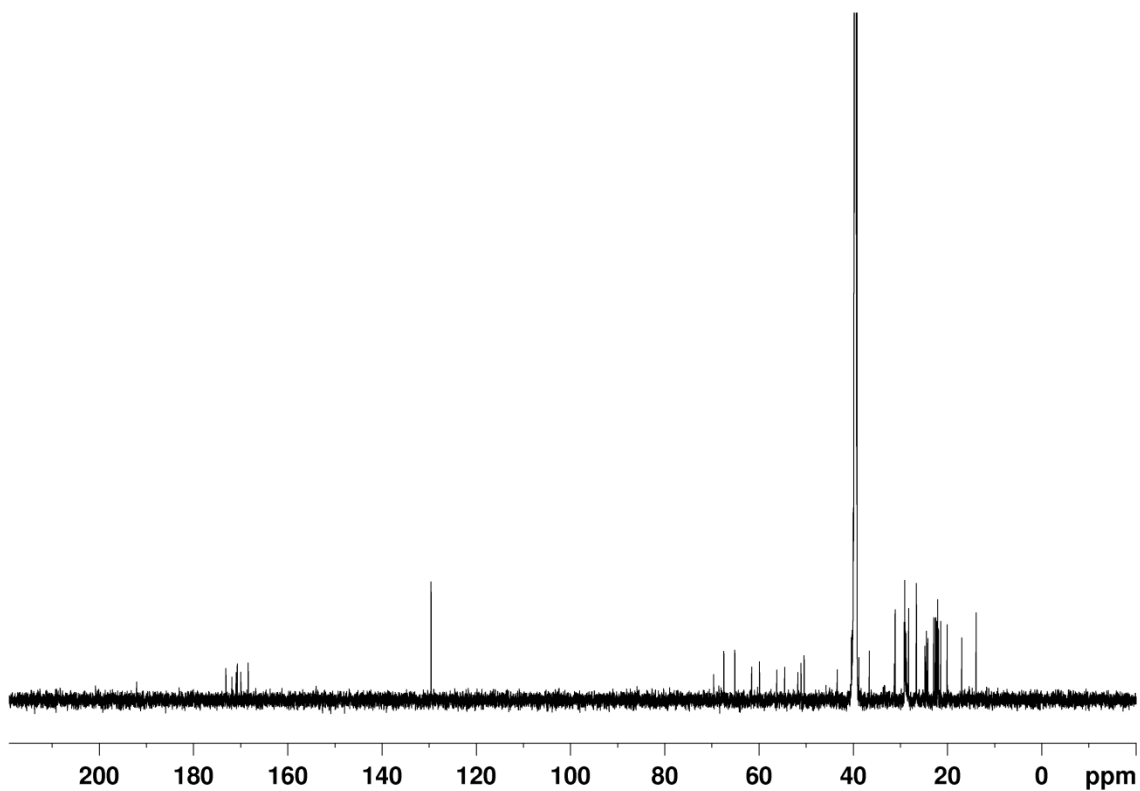


Figure S15. DQF-COSY for ngercheumicin H.

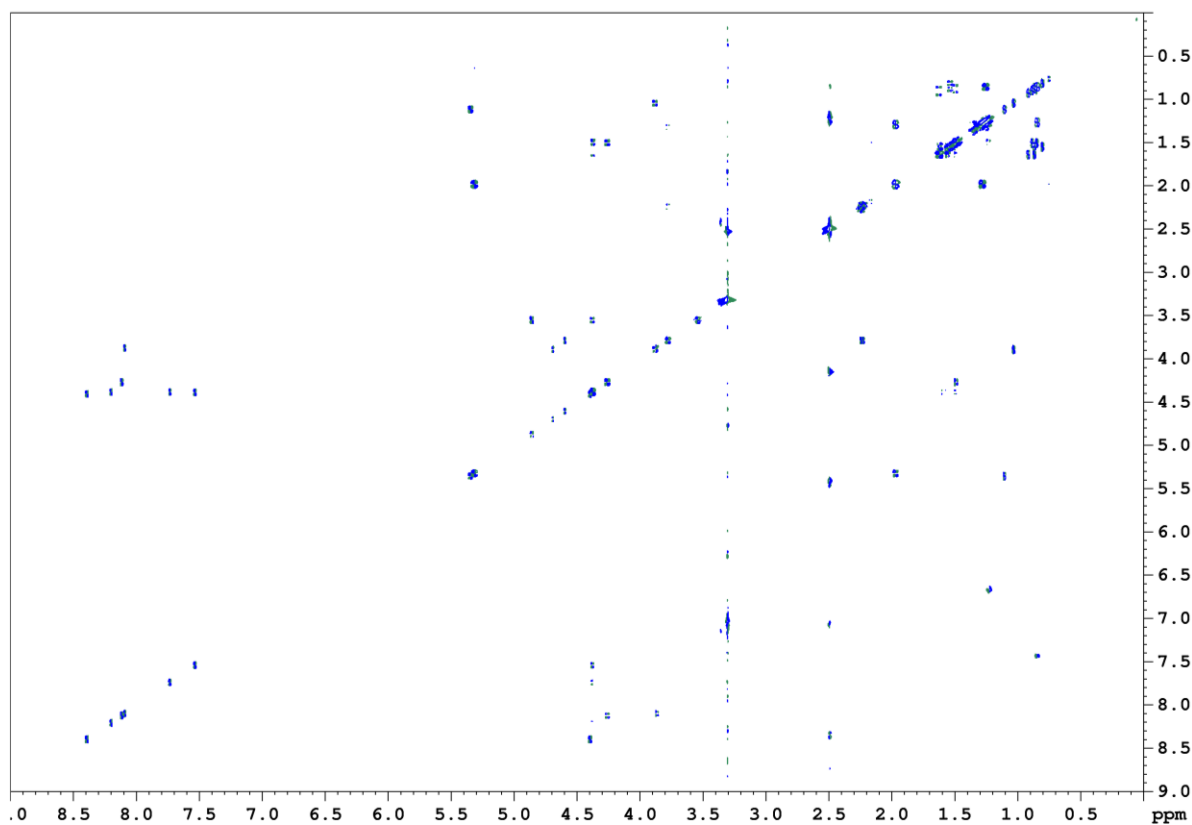


Figure S16. Multiplicity edited gHSQC for ngercheumicin H.

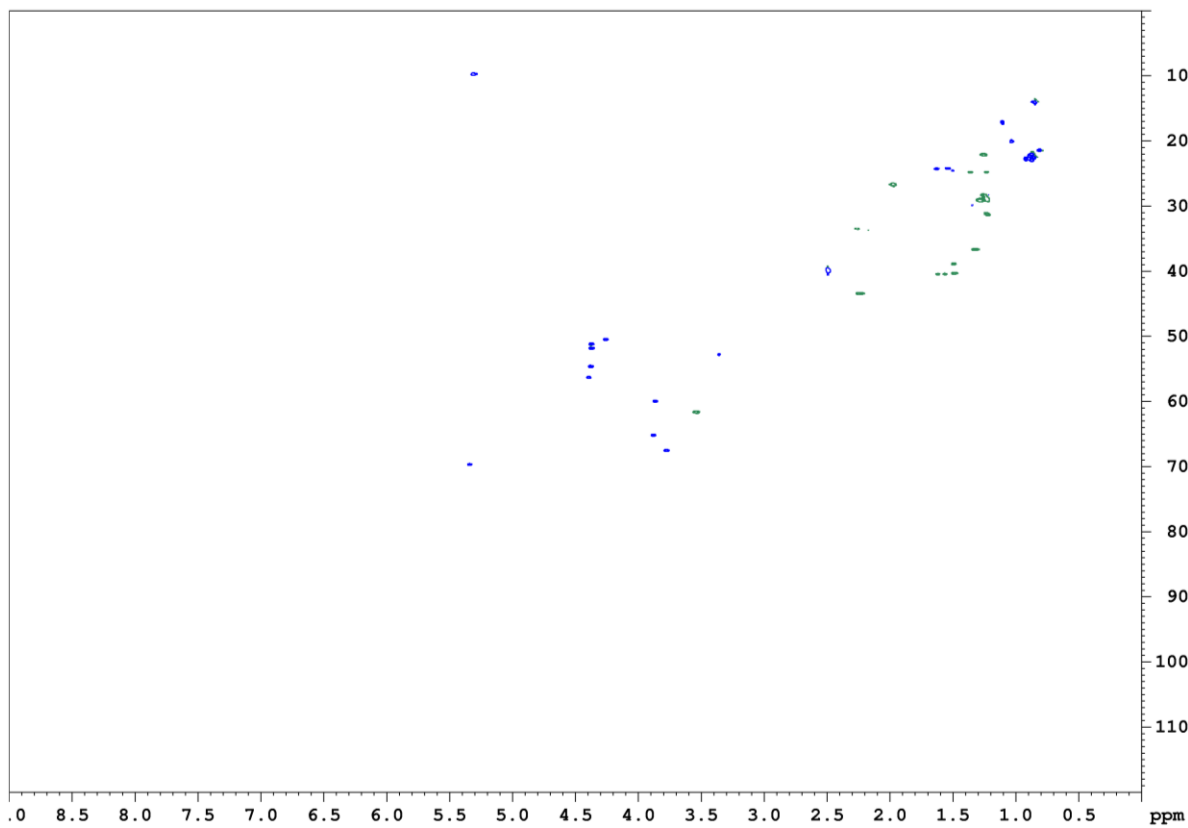


Figure S17. gHMBC for ngercheumicin H.

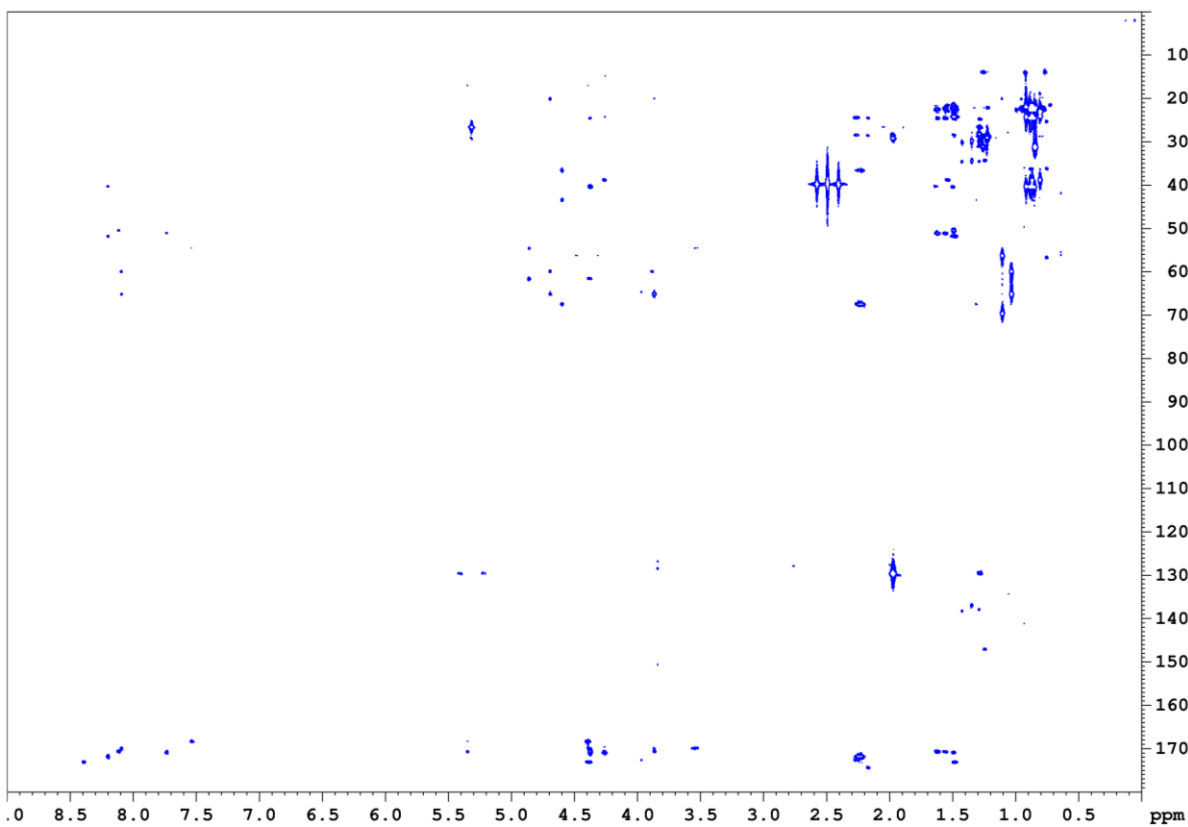


Figure S18.  $^1\text{H}$  spectrum for ngercheumicin I.

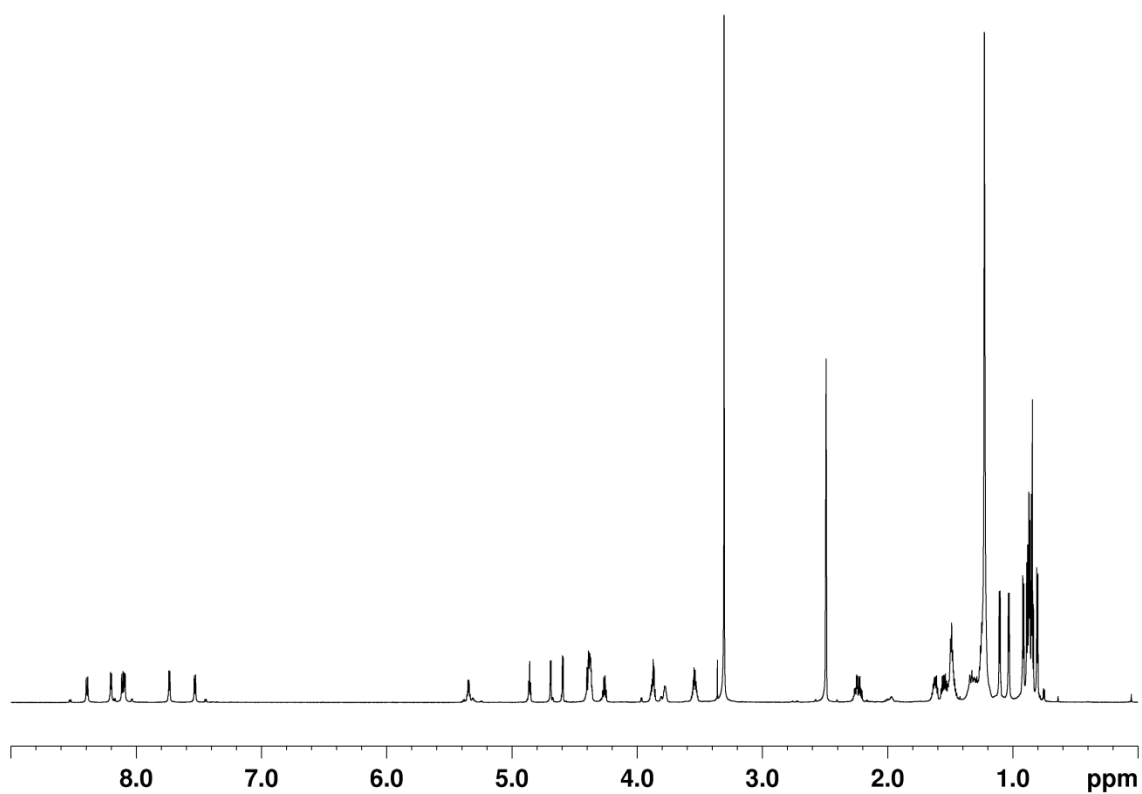


Figure S19.  $^{13}\text{C}$  spectrum for ngercheumicin I.

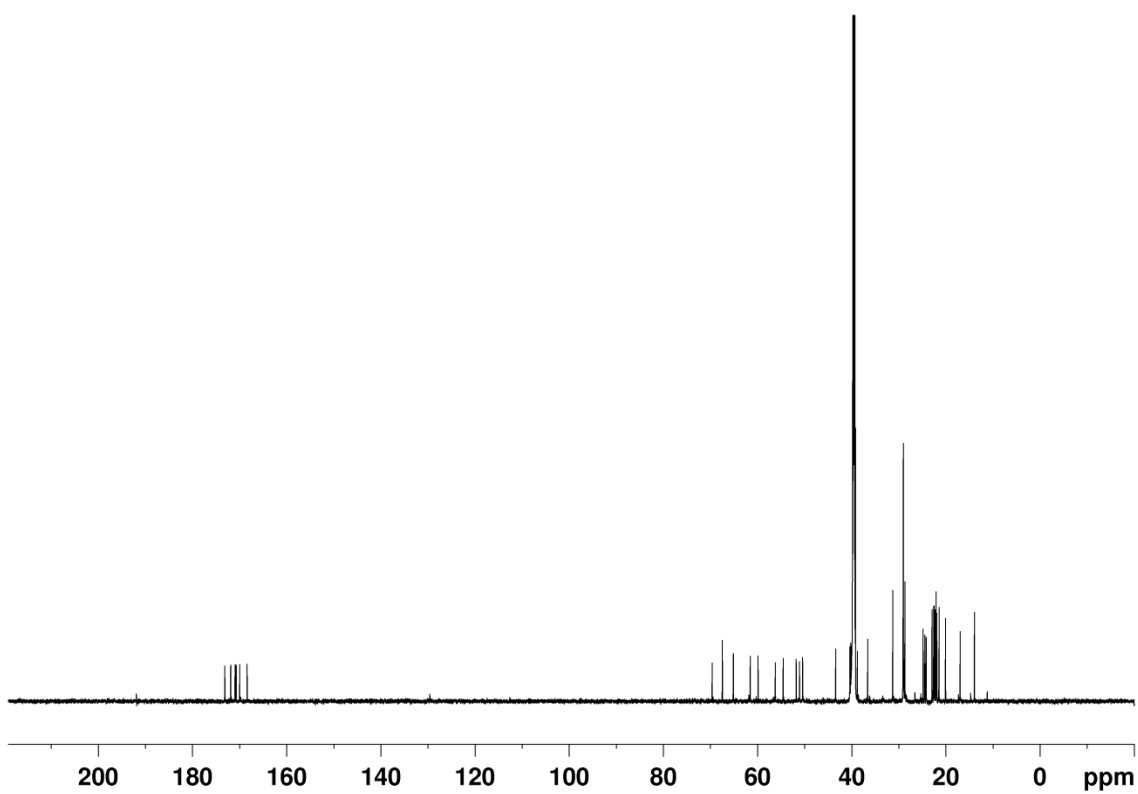


Figure S20. DQF-COSY for ngercheumicin I.

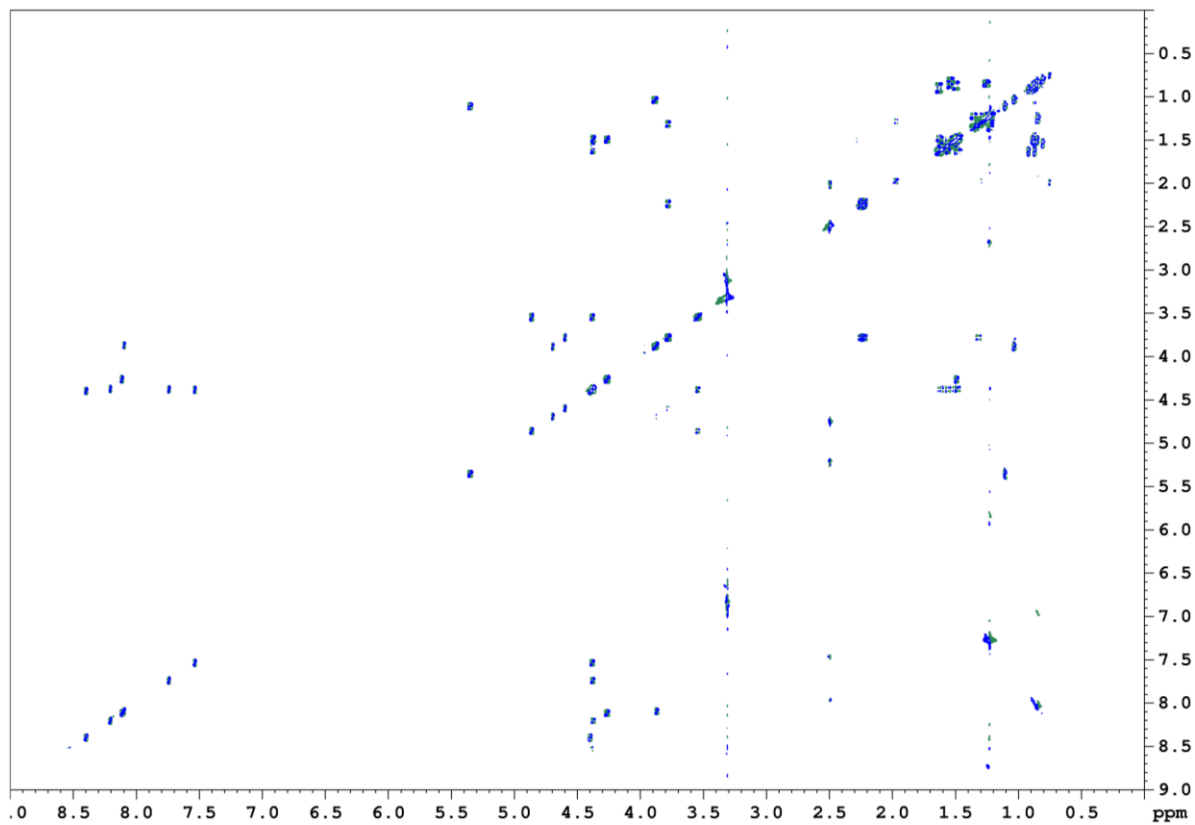
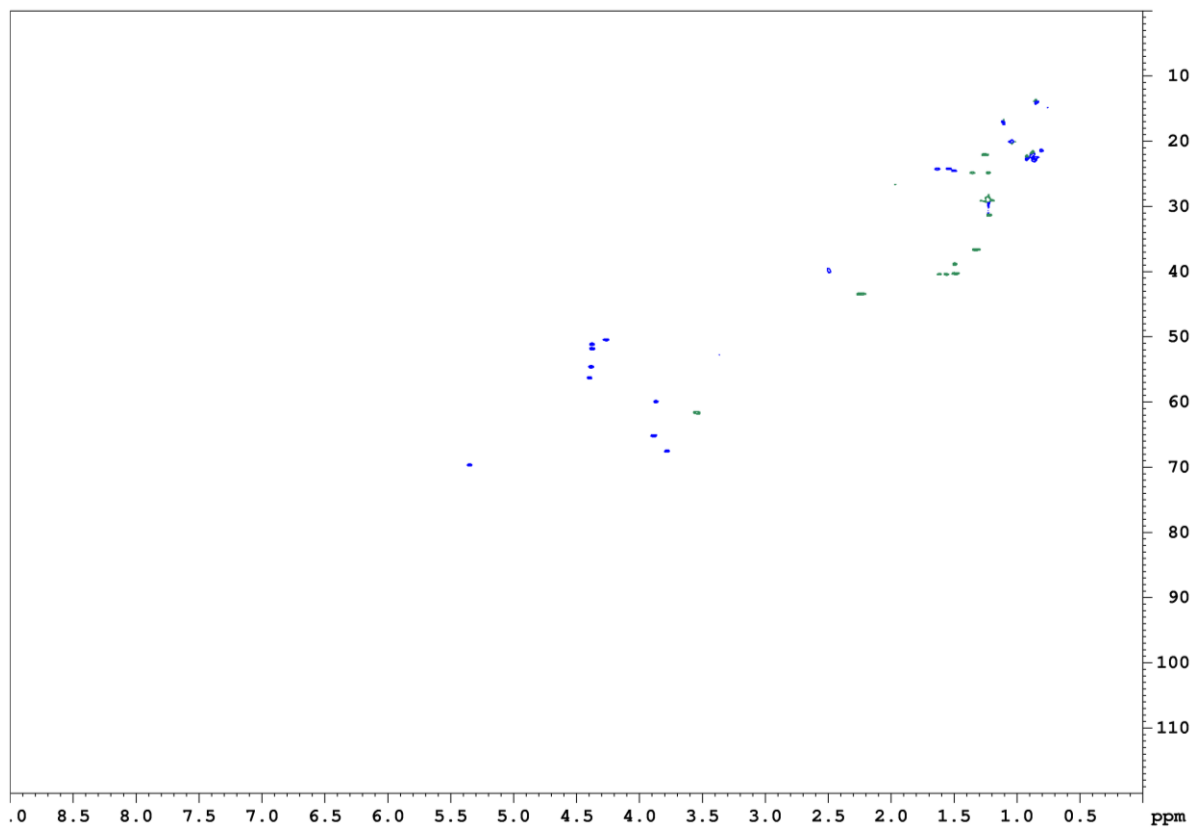
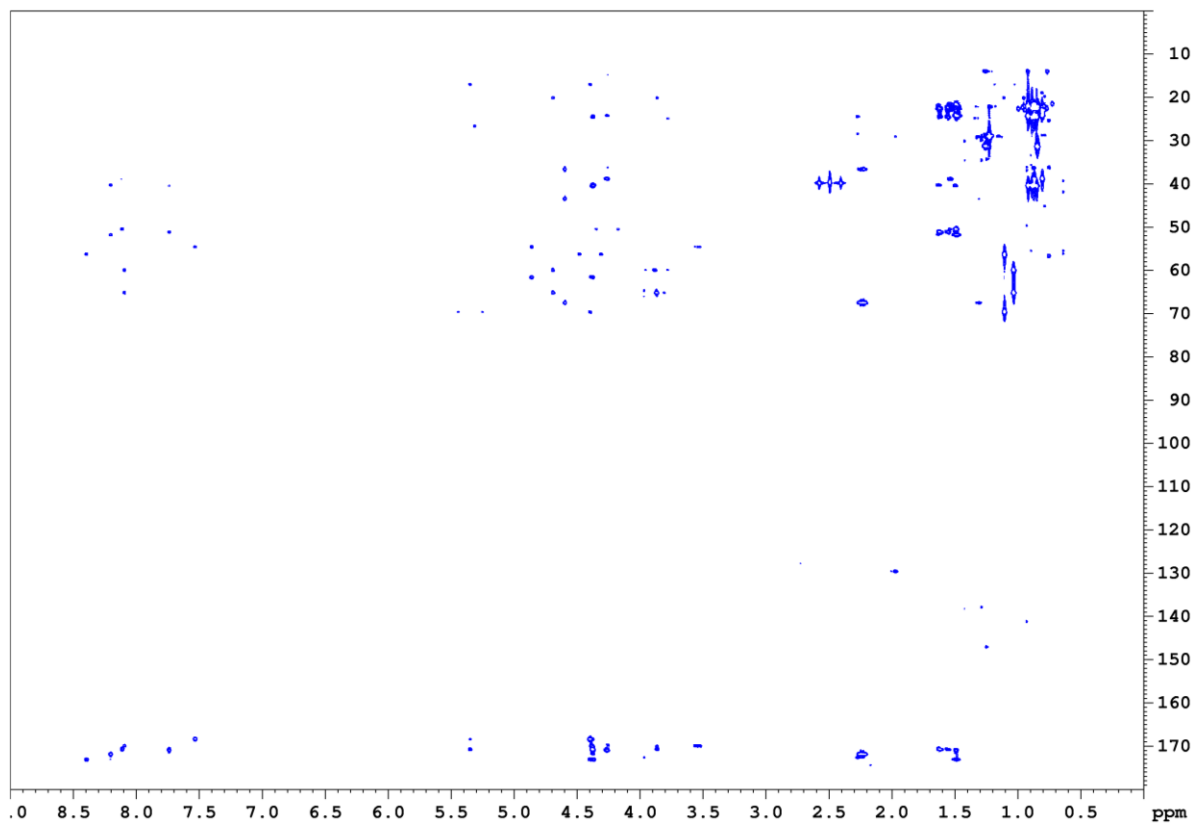
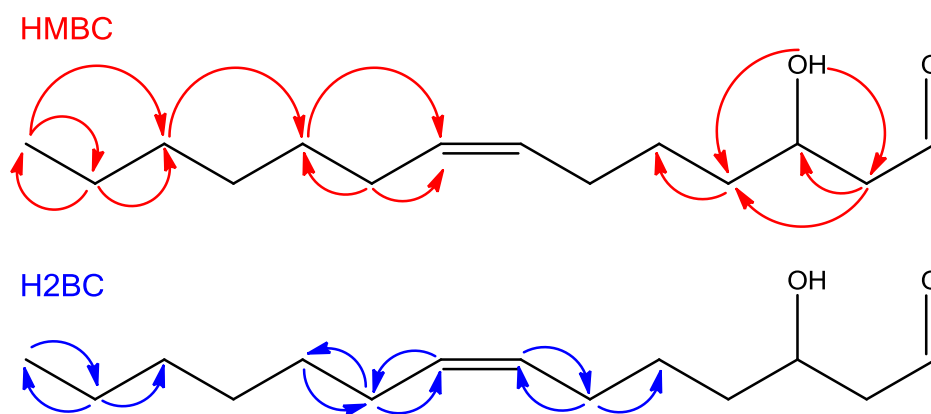
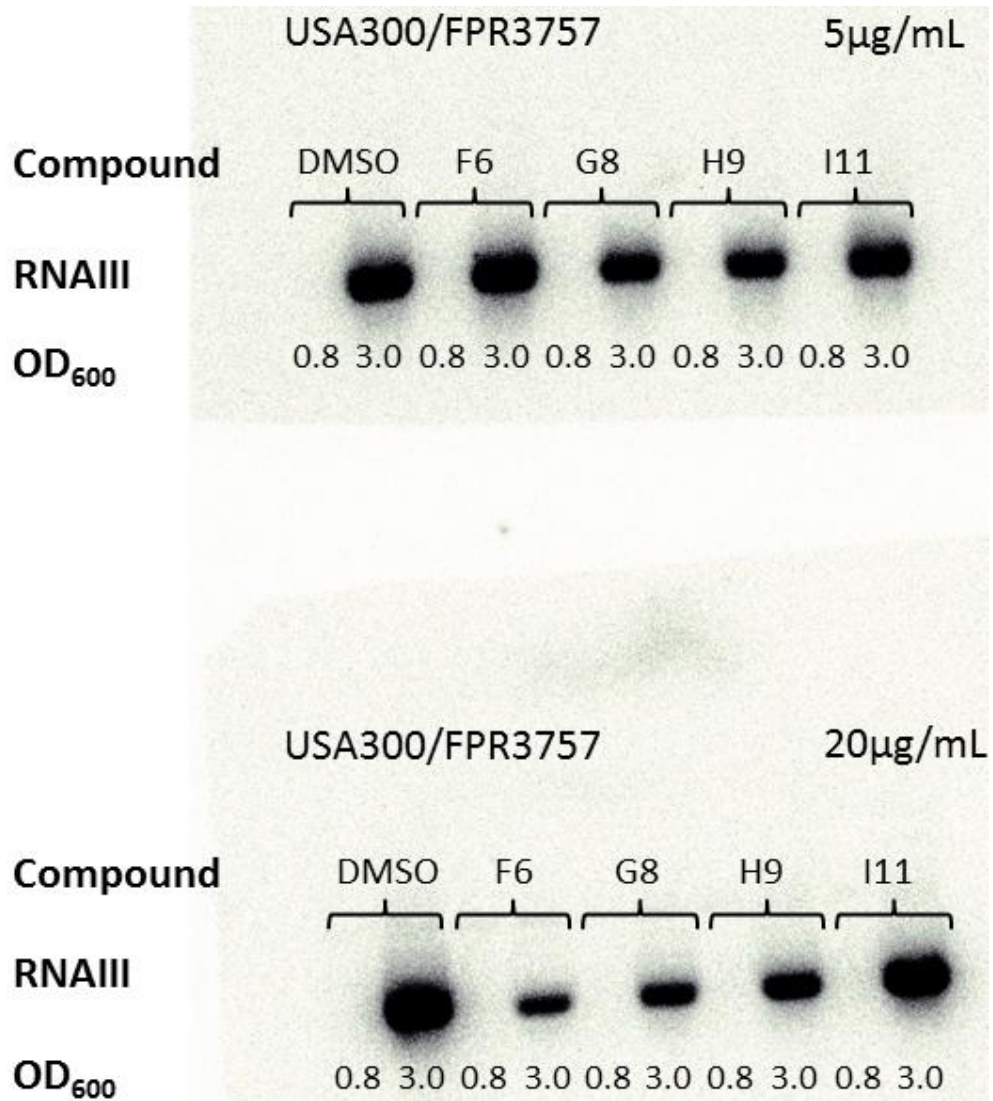


Figure S21. Multiplicity edited gHSQC for ngercheumicin I.

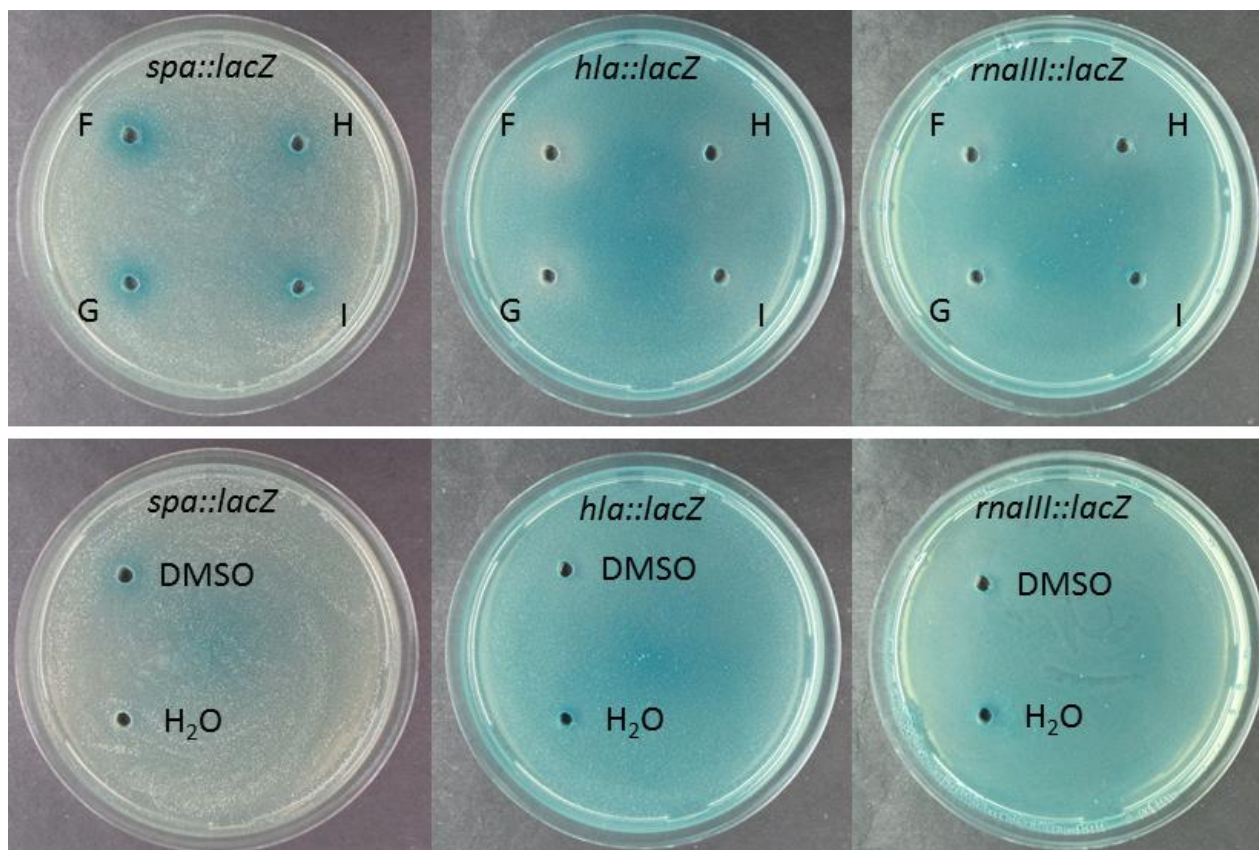


**Figure S22.** gHMBC for ngercheumicin I.**Figure S23.** Key HMBC and H2BC correlations in the fatty acid chain of Ngercheumicin F.

**Figure S24.** Northern blot results for ngercheumicin F, G, H and I in DMSO at 5 µg/mL ( $\approx 6 \mu\text{M}$ ) and 20 µg/mL ( $\approx 23 \mu\text{M}$ ) against *S. aureus* USA300/FPR3757 at  $\text{OD}_{600} = 0.8$  and  $\text{OD}_{600} = 3.0$ . DMSO is used as negative control.



**Figure S25.** Plate assay results in the colorimetric *S. aureus lacZ* reporter assay with ngercheumicins F, G, H and I in DMSO at 1 mg/mL against *S. aureus* 8325-4. DMSO and water is used as negative controls. Inhibitors of the *agr* locus enhance transcription of *spa* and reduce expression of *hla* and *rnalIII*.



**Table S1.** NMR table for Ngercheumicin F.

Position, Type	$\delta_H$ (ppm), #H, Multiplicity, J (Hz)	$\delta_C$ (ppm)	HMBC Connectivity	H2BC Connectivity
<i>Leu</i> <sup>1</sup>				
1—CO	—	170.8	—	
2—CH <sub><math>\alpha</math></sub>	4.37, 1H, m	51.1	1, 3	
3—CH <sub><math>\beta</math></sub>	1.62, 1H, m 1.55, 1H, m	40.4	1, 2, 4, 5, 6	
4—CH <sub><math>\gamma</math></sub>	1.49, 1H, m	24.5	3	
5—CH <sub><math>\delta_1</math></sub>	0.88, 3H, d, 6.5	22.3	3, 4, 6	4
6—CH <sub><math>\delta_2</math></sub>	0.85, 3H, d, 6.5	22.5	3, 4, 5	4
7—NH	7.73, 1H, d, 6.5	—	(2), 8	2
<i>Leu</i> <sup>2</sup>				
8—CO	—	171.0	—	
9—CH <sub><math>\alpha</math></sub>	4.26, 1H, q, 8.0	50.4	8, 10	10
10—CH <sub><math>\beta</math></sub>	1.49, 2H, m	38.8	9, 11, 13	9
11—CH <sub><math>\gamma</math></sub>	1.53, 1H, m	24.2		10
12—CH <sub><math>\delta_1</math></sub>	0.87, 3H, d, 6.5	22.9	10, 11, 13	11
13—CH <sub><math>\delta_2</math></sub>	0.80, 3H, d, 6.5	21.4	10, 11, 12	11
14—NH	8.12, 1H, d, 8.5	—	(9), 15	9



Table S1. Cont.

<i>L-allo-Thr</i> <sup>1</sup>				
15—CO	—	170.7	—	
16—CH <sub>α</sub>	3.86, 1H, m	59.9	15, 17	17
17—CH <sub>β</sub>	3.88, 1H, m	65.1	(16)	16, 18
17—OH	4.70, 1H, d, 4.6	—	16, 17, 18	17
18—CH <sub>γ</sub>	1.03, 3H, d, 6.0	20.0	16, 17	17
19—NH	8.09, 1H, d, 6.0	—	(16), 20	16
<i>D-Ser</i>				
20—CO	—	170.0	—	
21—CH <sub>α</sub>	4.38, 1H, m	54.5	20, 22, 24	22
22—CH <sub>β</sub>	3.54, 2H, m	61.6	20, (21)	21
22—OH	4.86, 1H, t, 6.0	—	(21), 22	22
23—NH	7.53, 1H, d, 8.0	—	24	21
<i>L-allo-Thr</i> <sup>2</sup>				
24—CO	—	168.4	—	
25—CH <sub>α</sub>	4.40, 1H, d, 9.0	56.2	24, 29	
26—CH <sub>β</sub>	5.35, 1H, qd, 6.0, <1	69.6	1	27
27—CH <sub>γ</sub>	1.10, 3H, d, 6.5	17.0	25, 26	26
28—NH	8.40, 1H, d, 9.5	—	29	25
<i>Leu</i> <sup>3</sup>				
29—CO	—	173.1	—	
30—CH <sub>α</sub>	4.37, 1H, m	51.7	29, 31	31
31—CH <sub>β</sub>	1.48, 2H, m	40.3	29, 30, 32	
32—CH <sub>γ</sub>	1.62, 1H, m	24.2	33	
33—CH <sub>δ,1</sub>	0.92, 3H, d, 6.5	22.6	31, 32, 34	32
34—CH <sub>δ,2</sub>	0.87, 3H, d, 6.5	21.9	31, 32, 33	32
35—NH	8.20, 1H, d, 6.5	—	30, 31, 36	30
<i>Fatty acid</i>				
36—CO	—	171.8	—	
37	~2.24, 2H, m	43.3	36, 38, (39)	38
38	3.78, 1H, m	67.4		37
38—OH	4.62, 1H, d, 5.0	—	37, 38, 39	38
39	1.34, 1H, m	36.2	(38), 40	(38), 40
	1.30, 1H, m			
40	1.42, 1H, m	25.1	41, 42	41
	1.28, 1H, m			
41	1.96, 2H, m	26.6	43	(40), 42
42	5.31, 1H, m	129.6	44	41, 43
43	5.31, 1H, m	129.6	43	42, 44
44	1.96, 2H, m	26.5	42	43, 45
45	1.28, 2H, m	29.0		44
46	1.24, 2H, m	28.3		47
47	1.22, 2H, m	31.1	45	46
48	1.25, 2H, m	22.1	47, 49	47, 49
49	0.84, 3H, t, 7.0	13.9	47, 48	48

Table S2. NMR table for Ngercheumicin G.

Position, Type	$\delta_{\text{H}}$ (ppm), #H, Multiplicity, J (Hz)	$\delta_{\text{C}}$ (ppm)	HMBC Connectivity	H2BC Connectivity
<i>Leu</i> <sup>1</sup>				
1—CO	—	170.8	—	
2—CH <sub><math>\alpha</math></sub>	4.37, 1H, m	51.1	1, 3, 4, 8	3
3—CH <sub><math>\beta</math></sub>	1.61, 1H, m 1.55, 1H, m	40.4	1, 2, 4, 5, 6	2, 4
4—CH <sub><math>\gamma</math></sub>	1.49, 1H, m	24.5	3, 5, 6	3
5—CH <sub><math>\delta</math>,1</sub>	0.88, 3H, d, 6.5	22.3	3, 4, 6	4
6—CH <sub><math>\delta</math>,2</sub>	0.85, 3H, d, 6.5	22.5	3, 4, 5	4
7—NH	7.73, 1H, d, 6.5	—	(1), 2, 3, 8	2
<i>Leu</i> <sup>2</sup>				
8—CO	—	171.0	—	
9—CH <sub><math>\alpha</math></sub>	4.26, 1H, q, 8.0	50.4	8, 10, 11	10
10—CH <sub><math>\beta</math></sub>	1.49, 2H, m	38.8	9, 11, 12, 13	9, 11
11—CH <sub><math>\gamma</math></sub>	1.53, 1H, m	24.2	(9), 10, 12, 13	10
12—CH <sub><math>\delta</math>,1</sub>	0.87, 3H, d, 6.5	22.9	10, 11, 13	11
13—CH <sub><math>\delta</math>,2</sub>	0.80, 3H, d, 6.5	21.4	10, 11, 12	11
14—NH	8.11, 1H, d, 8.5	—	9, (10), 15	9
<i>L-allo-Thr</i> <sup>1</sup>				
15—CO	—	170.7	—	
16—CH <sub><math>\alpha</math></sub>	3.86, 1H, m	59.9	15, 17, (18), 20	17
17—CH <sub><math>\beta</math></sub>	3.88, 1H, m	65.1	16	16, 18
17—OH	4.69, 1H, d, 4.6	—	16, 17, 18	17
18—CH <sub><math>\gamma</math></sub>	1.03, 3H, d, 6.0	20.1	16, 17	17
19—NH	8.09, 1H, d, 6.0	—	16, 17, 20	16
<i>D-Ser</i>				
20—CO	—	170.0	—	
21—CH <sub><math>\alpha</math></sub>	4.38, 1H, m	54.6	20, 22, (24)	22
22—CH <sub><math>\beta</math></sub>	3.54, 2H, m	61.5	20, 21	21
22—OH	4.86, 1H, t, 6.0	—	21, 22	22
23—NH	7.53, 1H, d, 8.0	—	(20), 21, 22, 24	21
<i>L-allo-Thr</i> <sup>2</sup>				
24—CO	—	168.4	—	
25—CH <sub><math>\alpha</math></sub>	4.39, 1H, d, 9.0	56.2	24, 26, 27, 29	
26—CH <sub><math>\beta</math></sub>	5.34, 1H, qd, 6.0, <1	69.6	1, 24, 27	27
27—CH <sub><math>\gamma</math></sub>	1.10, 3H, d, 6.5	17.0	25, 26	26
28—NH	8.39, 1H, d, 9.5	—	25, (26), 29	25
<i>Leu</i> <sup>3</sup>				
29—CO	—	173.2	—	
30—CH <sub><math>\alpha</math></sub>	4.37, 1H, m	51.8	29, 31, 32, 36	31
31—CH <sub><math>\beta</math></sub>	1.48, 2H, m	40.2	29, 30, 32, 33	30
32—CH <sub><math>\gamma</math></sub>	1.62, 1H, m	24.2	31, 33	31, 33, 34
33—CH <sub><math>\delta</math>,1</sub>	0.92, 3H, d, 6.5	22.6	31, 32, 34	32
34—CH <sub><math>\delta</math>,2</sub>	0.87, 3H, d, 6.5	21.9	31, 32, 33	32
35—NH	8.20, 1H, d, 6.5	—	(29), 30, 31, 36	30
<i>Fatty acid</i>				

Table S2. Cont.

36—CO	—	171.9	—	
37	2.24, 1H, dd, 14.0, 6.0 2.22, dd, 14.0, 7.0	43.4	36, 38, 39	38
38	3.77, 1H, m	67.5	36, 40	37, 39
38—OH	4.60, 1H, d, 5.0	—	37, 38, 39	38
39	1.31, 2H, m	36.6	37, 38, 41	38, 40
40	1.34, 1H, m 1.22, 1H, m	24.8		
41	1.23, 2H, m	~29		
42	~1.2, 2H, m	~29		
43	~1.2, 2H, m	~29		
44	~1.2, 2H, m	~29		
45	~1.2, 2H, m	~29		
46	1.21, 2H, m	29.1		
47	1.22, 2H, m	31.3		46, 48
48	1.25, 2H, m	22.1	47, 49	47, 49
49	0.84, 3H, t, 7.0	13.9	47, 48	48

Table S3. NMR table for ngercheumicin H.

Position, Type	$\delta_H$ (ppm), #H, Multiplicity, $J$ (Hz)	$\delta_C$ (ppm)	HMBC Connectivity	H2BC Connectivity
<i>Leu</i> <sup>1</sup>				
1—CO	—	170.8	—	
2—CH <sub><math>\alpha</math></sub>	4.37, 1H, m	51.1	1, 3, 4, 8	
3—CH <sub><math>\beta</math></sub>	1.62, 1H, m 1.56, 1H, m	40.4	1, 2, 4, 5, 6	
4—CH <sub><math>\gamma</math></sub>	1.50, 1H, m	24.5	2, 3, 5, 6	
5—CH <sub><math>\delta,1</math></sub>	0.89, 3H, d, 6.5	22.3	3, 4, 6	4
6—CH <sub><math>\delta,2</math></sub>	0.85, 3H, d, 6.5	22.5	3, 4, 5	4
7—NH	7.73, 1H, d, 6.5	—	(1), 2, 3, 8	2
<i>Leu</i> <sup>2</sup>				
8—CO	—	171.0	—	
9—CH <sub><math>\alpha</math></sub>	4.25, 1H, q, 8.0	50.4	8, 10, 11	10
10—CH <sub><math>\beta</math></sub>	1.49, 2H, m	38.8	9, 11, 13	9, 11
11—CH <sub><math>\gamma</math></sub>	1.54, 1H, m	24.1	9, 10, 13	10
12—CH <sub><math>\delta,1</math></sub>	0.87, 3H, d, 6.5	22.9	10, 11, 13	11
13—CH <sub><math>\delta,2</math></sub>	0.80, 3H, d, 6.5	21.4	10, 11, 12	11
14—NH	8.11, 1H, d, 8.5	—	9, 10, 15	9
<i>L-allo-Thr</i> <sup>1</sup>				
15—CO	—	170.7	—	
16—CH <sub><math>\alpha</math></sub>	3.86, 1H, m	59.9	15, 17, 18, 20	17
17—CH <sub><math>\beta</math></sub>	3.88, 1H, m	65.1	16	16, 18
17—OH	4.69, 1H, d, 4.6	—	16, 17, 18	17
18—CH <sub><math>\gamma</math></sub>	1.03, 3H, d, 6.0	20.1	16, 17	17
19—NH	8.09, 1H, d, 6.0	—	16, 17, 20	16
<i>D-Ser</i>				

Table S3. Cont.

20—CO	—	170.0	—	
21—CH <sub>α</sub>	4.38, 1H, m	54.5	20, 22, 24	22
22—CH <sub>β</sub>	3.54, 2H, m	61.5	20, 21	21
22—OH	4.86, 1H, t, 6.0	—	21, 22	22
23—NH	7.53, 1H, d, 8.0	—	(20), 21, 22, 24	21
<i>L-allo-Thr</i> <sup>2</sup>				
24—CO	—	168.4	—	
25—CH <sub>α</sub>	4.39, 1H, d, 9.0	56.2	24, 26, 27, 29	
26—CH <sub>β</sub>	5.34, 1H, qd, 6.0, <1	69.6	1, 24, 27	27
27—CH <sub>γ</sub>	1.10, 3H, d, 6.5	16.9	25, 26	26
28—NH	8.39, 1H, d, 9.5		25, 26, 29	25
<i>Leu</i> <sup>3</sup>				
29—CO	—	173.1	—	
30—CH <sub>α</sub>	4.37, 1H, m	51.8	29, 31, 32, 36	31
31—CH <sub>β</sub>	1.48, 2H, m	40.2	29, 30, 32, 33	30
32—CH <sub>γ</sub>	1.62, 1H, m	24.2	30, 31, 34	31
33—CH <sub>δ,1</sub>	0.91, 3H, d, 6.5	22.6	31, 32, 34	32
34—CH <sub>δ,2</sub>	0.87, 3H, d, 6.5	21.9	31, 32, 33	32
35—NH	8.20, 1H, d, 6.5	—	(29), 30, 31, 36	30
<i>Fatty acid</i>				
36—CO	—	171.9	—	
37	2.25, 1H, dd, 14.0, 6.0 2.22, 1H, dd, 14.0, 7.0	43.4	36, 38, 39	38
38	3.78, 1H, m	67.5	36, 40	37, 39
38—OH	4.60, 1H, d, 5.0	—	37, 38, 39	38
39	1.32, 2H, m	36.6	38, 41	38, 40
40	1.36, 1H, m	24.8		39
	1.23, 1H, m			
41	~1.2, 2H, m	~29		
42	1.28, 2H, m	~29	44/45	43
43	1.97, 2H, m	26.6	41?	42, 44
44	5.31, 1H, m	129.6	43/46	43, 45
45	5.31, 1H, m	129.6	43/46	44, 46
46	1.97, 2H, m	26.6	48	45, 47
47	1.28, 2H, m	~29	44/45	46
48	1.25, 2H, m	28.2		
49	1.22, 2H, m	31.1	47, (51)	48, 50
50	1.25, 2H, m	22.0	48, 49, 51	49, 51
51	0.84, 3H, t, 7.0	13.9	49, 50	50

Table S4. NMR table for ngercheumicin I.

Position, Type	$\delta_H$ (ppm), #H, Multiplicity, J (Hz)	$\delta_C$ (ppm)	HMBC Connectivity	H2BC Connectivity
<i>Leu</i> <sup>1</sup>				
1—CO	—	170.8	—	
2—CH <sub><math>\alpha</math></sub>	4.37, 1H, m	51.1	1, 3, 4, 8	
3—CH <sub><math>\beta</math></sub>	1.61, 1H, m 1.56, 1H, m	40.4	1, 2, 4, 5, 6	
4—CH <sub><math>\gamma</math></sub>	1.49, 1H, m	24.5	2, 3, 5, 6	
5—CH <sub><math>\delta,1</math></sub>	0.88, 3H, d, 6.5	22.3	3, 4, 6	4
6—CH <sub><math>\delta,2</math></sub>	0.85, 3H, d, 6.5	22.5	3, 4, 5	4
7—NH	7.73, 1H, d, 6.5	—	(1), 2, 3, 8	2
<i>Leu</i> <sup>2</sup>				
8—CO	—	171.0	—	
9—CH <sub><math>\alpha</math></sub>	4.26, 1H, q, 8.0	50.4	8, 10, 11	10
10—CH <sub><math>\beta</math></sub>	1.49, 2H, m	38.8	9, 11, 13	9, 11
11—CH <sub><math>\gamma</math></sub>	1.54, 1H, m	24.1	9, 10, 13	10
12—CH <sub><math>\delta,1</math></sub>	0.87, 3H, d, 6.5	22.9	10, 11, 13	11
13—CH <sub><math>\delta,2</math></sub>	0.80, 3H, d, 6.5	21.4	10, 11, 12	11
14—NH	8.11, 1H, d, 8.5	—	9, 10, 15	9
<i>L-allo-Thr</i> <sup>1</sup>				
15—CO	—	170.7	—	
16—CH <sub><math>\alpha</math></sub>	3.86, 1H, m	59.9	15, 17, 18, 20	17
17—CH <sub><math>\beta</math></sub>	3.87, 1H, m	65.1	16	16, 18
17—OH	4.69, 1H, d, 4.6	—	16, 17, 18	17
18—CH <sub><math>\gamma</math></sub>	1.03, 3H, d, 6.0	20.1	16, 17	17
19—NH	8.09, 1H, d, 6.0	—	16, 17, 20	16
<i>D-Ser</i>				
20—CO	—	170.0	—	
21—CH <sub><math>\alpha</math></sub>	4.38, 1H, m	54.5	20, 22, 24	22
22—CH <sub><math>\beta</math></sub>	3.54, 2H, m	61.5	20, 21	21
22—OH	4.86, 1H, t, 6.0	—	21, 22	22
23—NH	7.53, 1H, d, 8.0	—	(20), 21, 22, 24	21
<i>L-allo-Thr</i> <sup>2</sup>				
24—CO	—	168.4	—	
25—CH <sub><math>\alpha</math></sub>	4.39, 1H, d, 9.0	56.2	24, 26, 27, 29	
26—CH <sub><math>\beta</math></sub>	5.35, 1H, qd, 6.0, <1	69.6	1, 24, 27	27
27—CH <sub><math>\gamma</math></sub>	1.10, 3H, d, 6.5	17.0	25, 26	26
28—NH	8.39, 1H, d, 9.5	—	25, 26, 29	25
<i>Leu</i> <sup>3</sup>				
29—CO	—	173.2	—	
30—CH <sub><math>\alpha</math></sub>	4.37, 1H, m	51.8	29, 31, 32, 36	31
31—CH <sub><math>\beta</math></sub>	1.48, 2H, m	40.2	29, 30, 32, 33	30
32—CH <sub><math>\gamma</math></sub>	1.63, 1H, m	24.2	30, 31, 34	
33—CH <sub><math>\delta,1</math></sub>	0.92, 3H, d, 6.5	22.6	31, 32, 34	32

Table S4. Cont.

34—CH <sub>δ,2</sub>	0.87, 3H, d, 6.5	21.9	31, 32, 33	32
35—NH	8.20, 1H, d, 6.5	—	(29), 30, 31, 36	30
<i>Fatty acid</i>				
36—CO	—	171.9	—	
37	2.25, 1H, dd, 14.0, 7.0 2.22, 1H, dd, 14.0, 6.0	43.4	36, 38, 39	38
38	3.78, 1H, m	67.5	36, 40	37, 39
38—OH	4.59, 1H, d, 5.0	—	37, 38, 39	38
39	1.32, 2H, m	36.6	38, 41	38, 40
40	1.35, 1H, m	24.8		
	1.22, 1H, m			
41	1.23, 2H, m	29.1		
42	~1.2, 2H, m	~29		
43	~1.2, 2H, m	~29		
44	~1.2, 2H, m	~29		
45	~1.2, 2H, m	~29		
46	~1.2, 2H, m	~29		
47	~1.2, 2H, m	~29		
48	~1.2, 2H, m	~29		
49	1.22, 2H, m	31.3		48, 50
50	1.25, 2H, m	22.1	48, 49, 51	49, 51
51	0.84, 3H, t, 7.0	13.9	49, 50	50