#### **Electronic Supplementary Information (ESI)**

# Fluvirucins B7-B10, New Antifungal Macrolactams from a Marine-Derived *Nonomuraea* sp. MYH522

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	$B_0{}^a$	B9 <sup>a</sup>	⊿ <sup>13</sup> C	Sch 39185/B <sub>3</sub> <sup>b</sup>	$B_{10}^{a}$	⊿ <sup>13</sup> C
1	179.0	178.9	0.1	178.2	178.9	-0.7
2	51.1	50.9	0.2	50.9	51.2	-0.3
3	34.0	34.1	-0.1	33.9	34.6	-0.7
4	26.4	26.5	-0.1	25.5	26.3	-0.8
5	27.7	27.9	-0.2	32.6	33.4	-0.8
6	27.6	27.8	-0.2	39.2	39.8	-0.6
7	27.2	27.2	0.0	22.7	23.2	-0.5
8	19.8	20.0	-0.2	21.8	22.6	-0.8
9	78.7	78.4	0.3	77.6	78.5	-0.9
10	42.3	42.3	0.0	41.2	42.0	-0.8
11	26.1	26.2	-0.1	25.6	26.3	-0.7
12	28.5	28.6	-0.1	28.1	28.7	-0.6
13	39.7	39.7	0.0	39.2	39.7	-0.5
15	22.1	22.2	-0.1	21.6	22.0	-0.4
16	9.2	9.3	-0.1	9.0	9.2	-0.2
17	27.6	27.7	-0.1	26.9	27.5	-0.6
18	12.4	12.4	0.0	12.3	12.4	-0.1
19				27.7	28.2	-0.5
20				12.6	12.8	-0.2

**Table S1.** <sup>13</sup>C NMR Spectroscopic Data Comparison of Aglycon of B<sub>0</sub>/B<sub>9</sub> and Sch 39185/B<sub>3</sub>/B<sub>10</sub>.

<sup>a</sup>CD<sub>3</sub>OD; <sup>b</sup>CD<sub>3</sub>OD/CDCl<sub>3</sub>

Table S2. In vitro Antibacterial Activity of 1-5 (IC<sub>50</sub>,  $\mu$ g/mL).

compounds	S. aureus	E. Coli
1	>128	>128
2	>128	>128
3	>128	>128
4	>128	>128
5	>128	>128
kanamycin	8	4

Figure S1. Select NOE correlations of 2.



Figure S2. MS and NMR spectra of 2

a) HRESIMS spectrum



b) <sup>1</sup>H NMR spectrum





c) <sup>13</sup>C NMR spectrum



## d) DEPT spectrum



## f) HMQC spectrum



g) HMBC spectrum



## h) NOESY spectrum



Figure S3. MS and NMR spectra of 3

a) HRESIMS spectrum



b) <sup>1</sup>H NMR spectrum





c) <sup>13</sup>C NMR spectrum



## d) DEPT spectrum



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# f) HMQC spectrum



g) HMBC spectrum



## h) NOESY spectrum



## Figure S4. MS and NMR spectra of 4

a) HRESIMS spectrum



## b) <sup>1</sup>H NMR spectrum





c) <sup>13</sup>C NMR spectrum



## d) DEPT spectrum



## f) HMQC spectrum



# h) NOESY spectrum



### Figure S5. MS and NMR spectra of 5

a) HRESIMS spectrum



b) <sup>1</sup>H NMR spectrum





c) <sup>13</sup>C NMR spectrum



## d) DEPT spectrum



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## f) HMQC spectrum



g) HMBC spectrum



## h) NOESY spectrum

