SUPPLEMENTARY MATERIAL

Two new polyketides from *Nocardiopsis lucentensis* DSM 44048

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Abstract

Two new linear polyketides, namely Lucentides A (**1**) and B (**2**), together with 19-hydroxyprotylonolide (**3**) were isolated from *Nocardiopsis lucentensis* DSM 44048. Their structures were elucidated by analysis of their high resolution mass spectrometry (HR – MS) and 1D, 2D Nuclear Magnetic Resonance (NMR) spectroscopic data. The antibacterial activities of compounds **1- 3** were evaluated.

Keywords: polyketides; *Nocardiopsis lucentensis*; spectroscopic data

Figure S1. The ^1H NMR spectrum for compound **1**

Figure S2. The ^{13}C NMR spectrum for compound **1**

Figure S3. The HMQC spectrum for compound **1**

Figure S4. The HMBC spectrum for compound **1**

Figure S5. The COSY spectrum for compound **1**

Figure S6. The NOE spectrum for compound **1**

Figure S7. The ^1H NMR spectrum for compound **2**

Figure S8. The ^{13}C NMR spectrum for compound **2**

Figure S9. The HMQC spectrum for compound **2**

Figure S10. The HMBC spectrum for compound **2**

Figure S11. The COSY spectrum for compound **2**

Figure S12. The NOE spectrum for compound **2**

Figure S13. The HRESIMS for compound **1**

Figure S14. The HRESIMS for compound **2**

Figure S1. The ^1H NMR spectrum for 1

Figure S2. The ^{13}C NMR spectrum for 1

Figure S3. The HSQC spectrum for 1

Figure S4. The HMBC spectrum for 1

Figure S5. The $^1\text{H}/^1\text{H}$ COSY spectrum for 1

Figure S6. The NOE spectrum for 1

Figure S7. The ^1H NMR spectrum for 2

Figure S8. The ^{13}C NMR spectrum for 2

Figure S9. The HSQC spectrum for 2

Figure S10. The HMBC spectrum for 2

Figure S11. The $^1\text{H}/^1\text{H}$ COSY spectrum for 2

Figure S12. The NOE spectrum for 2

Figure S13. The HREISMS for compound 1

E:\data\Tests\201504\048-S4

4/7/2015 10:51:36 AM

048-S4 #25-29 RT: 0.25-0.28 AV: 5 SB: 6 0.05-0.11 NL: 5.58E7
F: FTMS + c ESI Full ms [100.00-1000.00]

Figure S14. The HREISMS for compound 2

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048-2 #34-37 RT: 0.32-0.34 AV: 4 SB: 5 1.80-1.85 NL: 5.82E7

F: FTMS + c ESI Full ms [100.00-1000.00]