Supplementary Files

Chlorinated azaphilone pigments with antimicrobial and cytotoxic activities isolated from the deep sea derived Fungus Chaetomium sp. NA-S01-R1

Weiyi Wang 1,*, Yanyan Liao 2, Ruixuan Chen 1, Yanping Hou 1, Wenqian Ke 1, Beibei Zhang 1, Maolin Gao 1, Zongze Shao 1, Jianming Chen 3,* and Fang Li 1,*

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Figure S2. $^{13}$C NMR spectrum of compound 1

Figure S3. HSQC spectrum of compound 1
Figure S4. HMBC spectrum of compound 1

Figure S5. HRESIMS spectrum of compound 1

Figure S6. $^{13}$C/DEPT spectrum of compound 1
Figure S7. ¹H-¹H COSY spectrum of compound 1

Figure S8. Selected NOESY spectrum of compound 1
Figure S9. Selected NOESY spectrum of compound 1

Figure S10. $^1$H NMR spectrum of compound 2

Figure S11. $^{13}$C NMR spectrum of compound 2
Figure S12. HSQC spectrum of compound 2

Figure S13. HMBC spectrum of compound 2

Figure S14. HRESIMS spectrum of compound 2
Figure S15. $^{13}$C/DEPT spectrum of compound 2

Figure S16. $^1$H-$^1$H COSY spectrum of compound 2

Figure S17. NOESY spectrum of compound 2
Figure S18. $^1$H NMR spectrum of compound 3

Figure S19. $^{13}$C NMR spectrum of compound 3

Figure S20. HSQC spectrum of compound 3
Figure S21. HMBC spectrum of compound 3

Figure S22. HRESIMS spectrum of compound 3

Figure S23. $^{13}$C/DEPT spectrum of compound 3
Figure S24. $^1$H-$^1$H COSY spectrum of compound 3

Figure S25. $^1$H NMR spectrum of compound 4

Figure S26. $^{13}$C NMR spectrum of compound 4
Figure S27. HSQC spectrum of compound 4

Figure S28. HMBC spectrum of compound 4

Figure S29. HRESIMS spectrum of compound 4
Figure S30. $^{13}$C/DEPT spectrum of compound 4

Figure S31. $^1$H-$^1$H COSY spectrum of compound 4

Table S1. Energies of the dominative conformers at MMFF94 force field of compound 1

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<th>Energy (kcal/mol)</th>
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Table S2. Energies of the conformers at B3LYP/6-311G** of compound 1 in methanol.

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Text S1: ITS1-5.8S-ITS2 rDNA sequence (MG786198) of strain Chaetomium sp. NA-S01-R1

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activities isolated from the deep sea derived Fungus Chaetomium sp.

NA-S01-R1

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 568)

AUTHORS Wang, W.

TITLE Direct Submission

JOURNAL Submitted (11-JAN-2018) Key Laboratory of Marine Biogenetic Resources, Third Institute of Oceanography, State Oceanic Administration, 178 Daxue Road, Xiamen, Fujian 361005, China

COMMENT Bankit Comment: ALT EMAIL:wywang_cas@163.com.

Bankit Comment: TOTAL # OF SEQS:1.

#Assembly-Data-START#

Sequencing Technology :: Sanger dideoxy sequencing

#Assembly-Data-END#

FEATURES Location/Qualifiers

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/collection_date="July 2017"
/collected_by="Yanping Hou"
/identified_by="Weiyi Wang"

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/ note="contains 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence"

BASE COUNT 125 a 150 c 163 g 130 t

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