

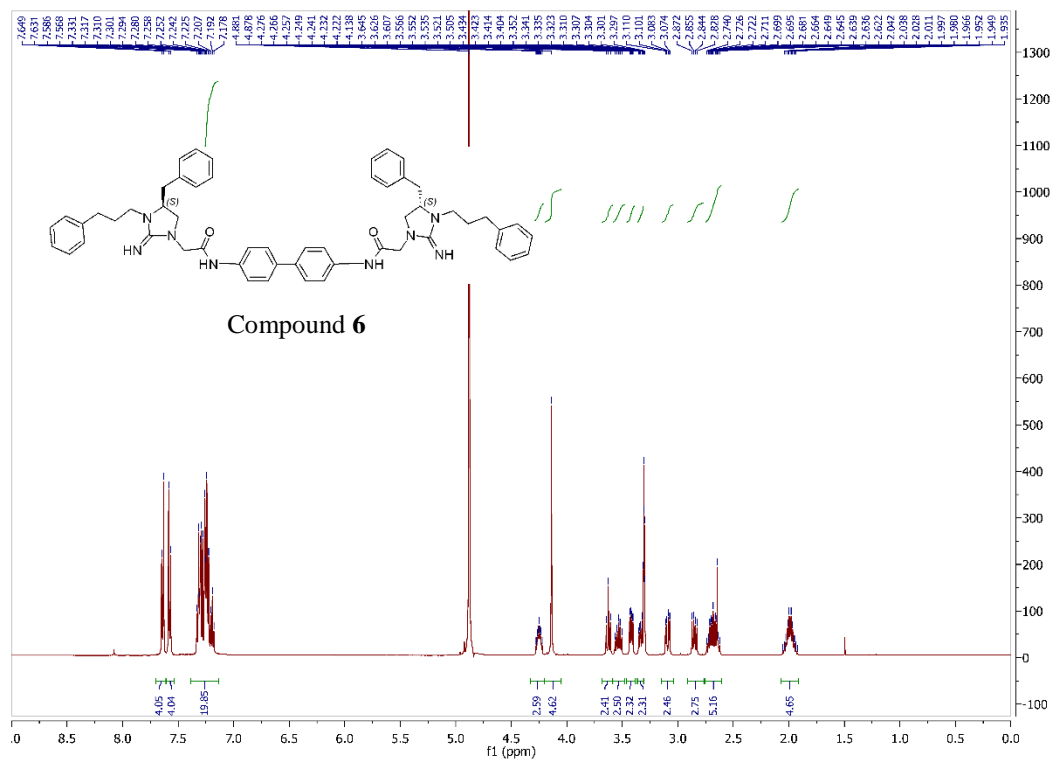
Supporting Information

Bis-Cyclic Guanidines as a Novel Class of Compounds Potent against *Clostridium difficile*

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Jianfeng Cai^{*[b]}

cmdc_201800240_sm_miscellaneous_information.pdf

1. ¹H NMR and ¹³C NMR spectra of compounds 6–11, 14, and 15



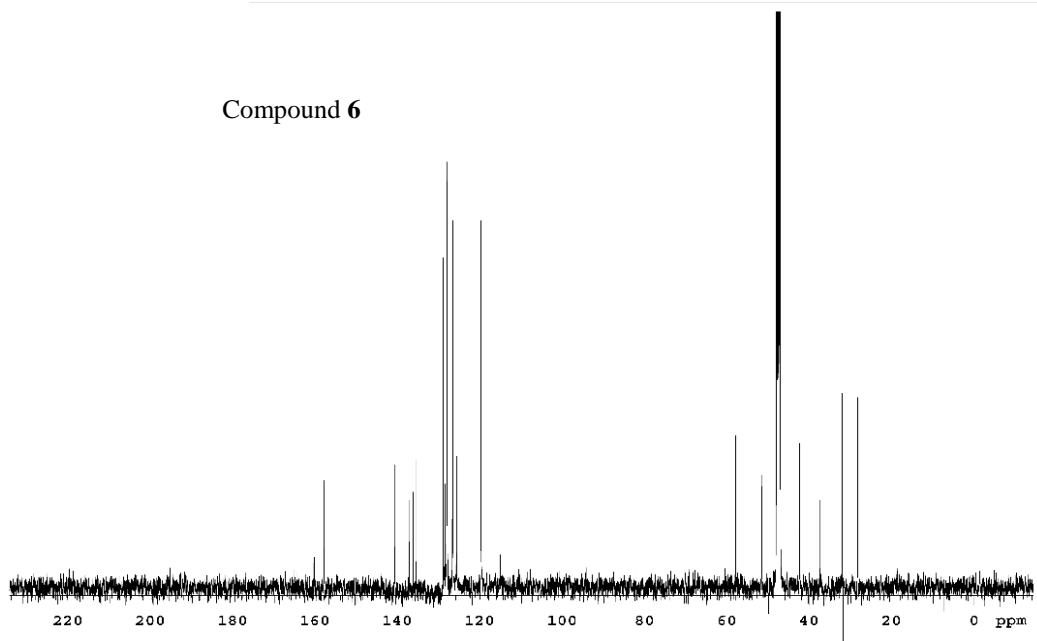
TP-H-039-3B

Sample Name TP-H-039-3B
Date collected 2016-12-22

Pulse sequence CARBON
Solvent cd3od

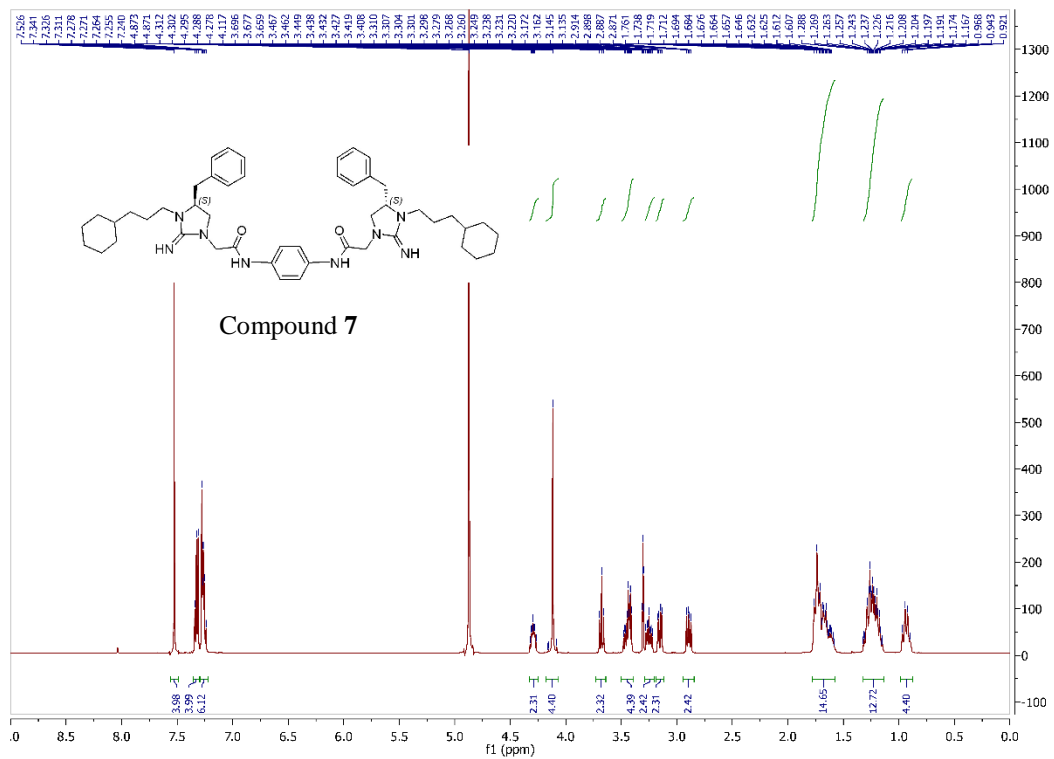
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Spectrometer dd500-1.cas.usf.edu-vnmrs600
Study owner tpeng
Operator tpeng

Compound 6



Data file info: dd500-1\92\nmr3\vnmr\data\tpeng\TP-H-039-3B_20161222_01\TP-H-039-3B_CARBON_01.fid

Plot date: 2016-12-22



TP-G-068-3_500MHz

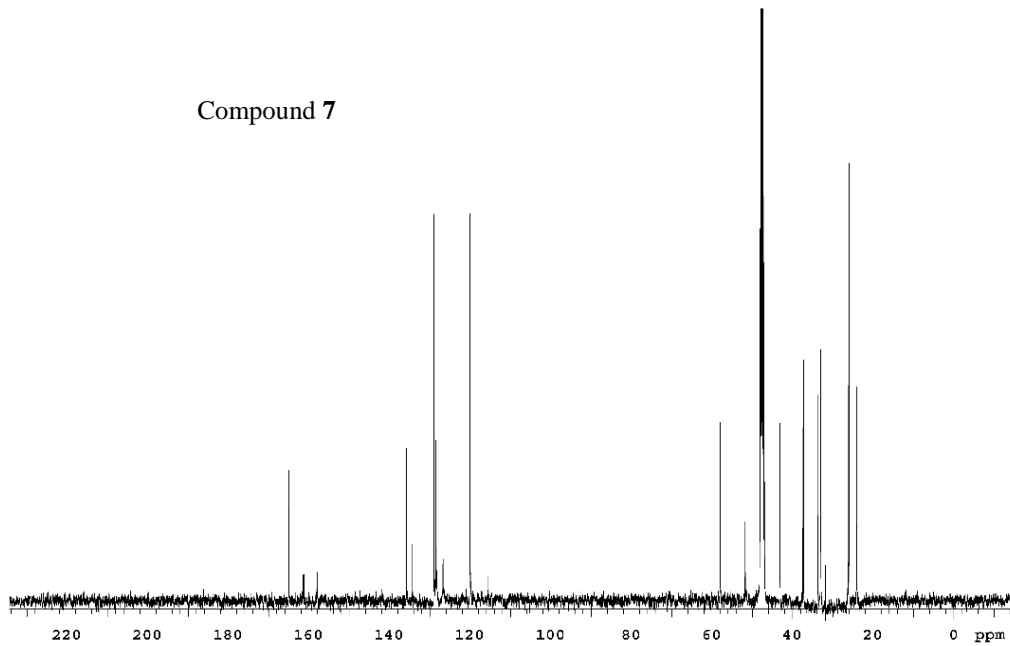
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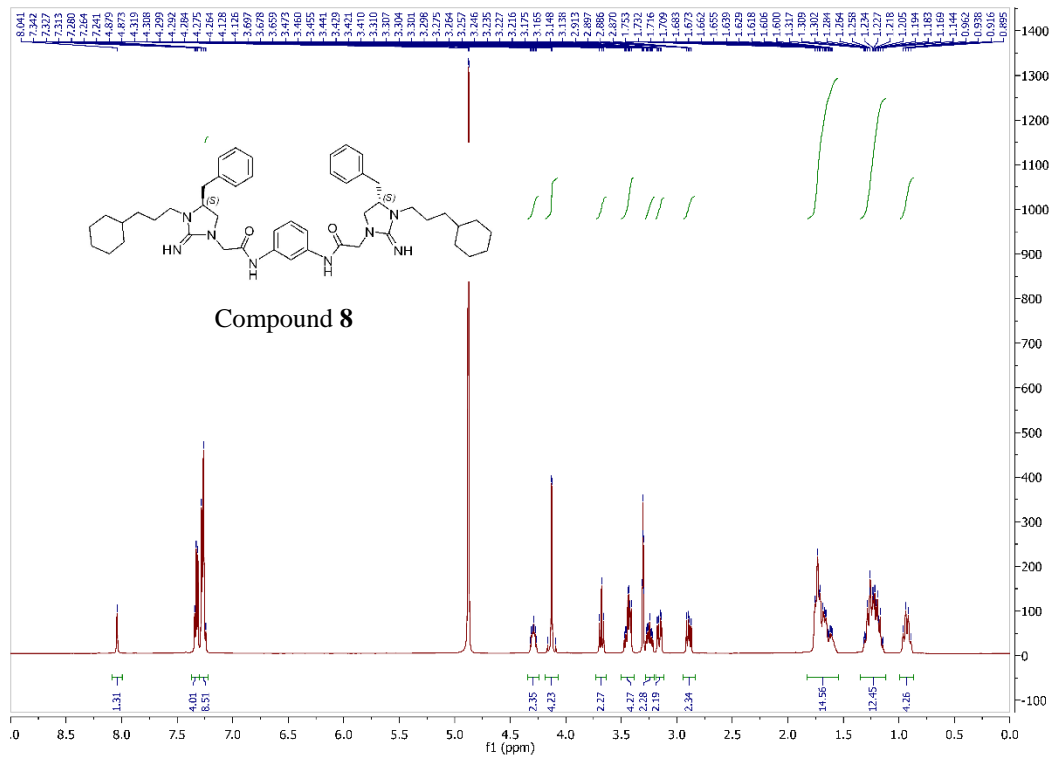
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Solvent cd3od

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Spectrometer dd500-1.cas.usf.edu-vnmr500

Study owner tpeng
Operator tpeng

Compound 7





TP-G-069-3_500MHz

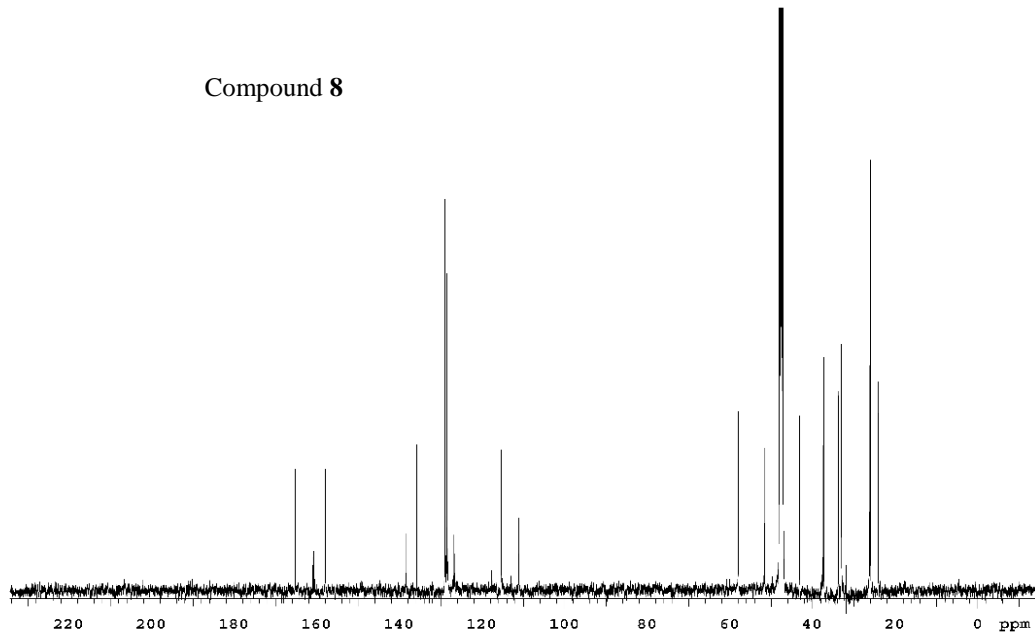
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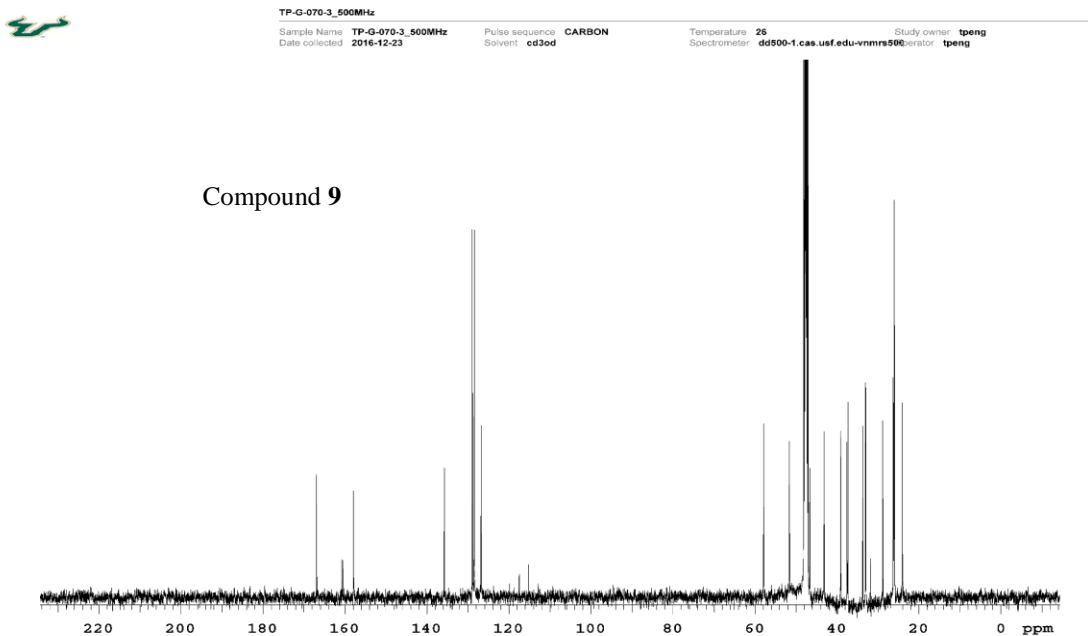
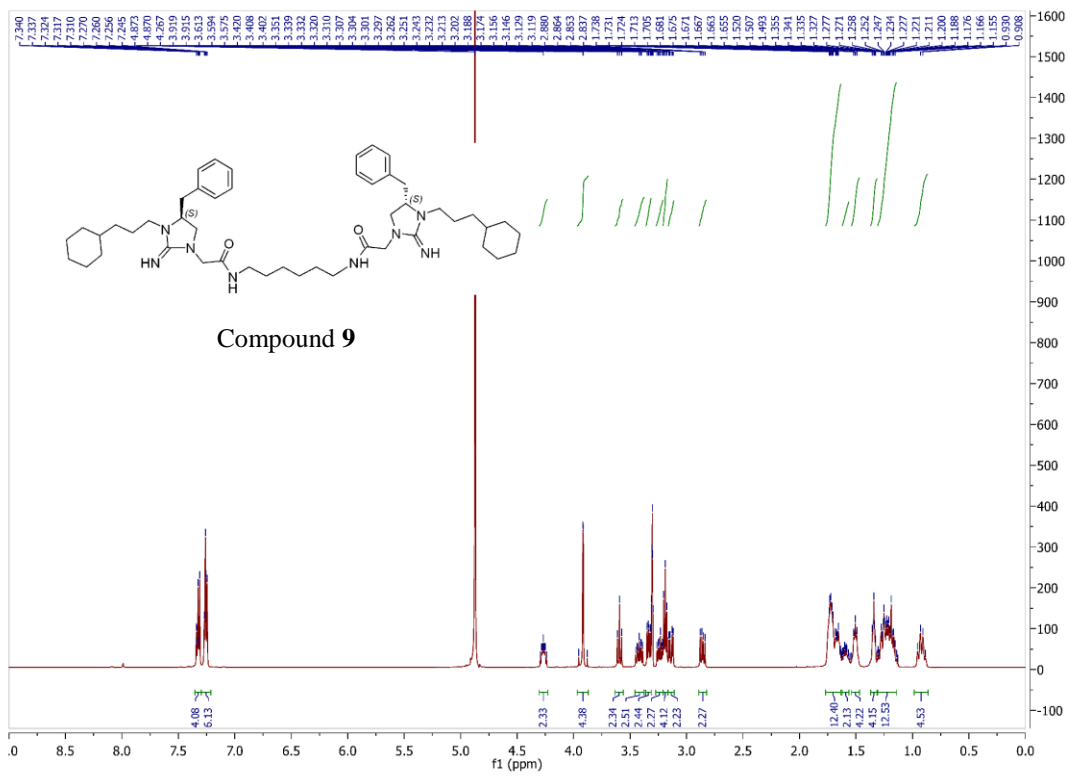
Study owner tpeng
Operator tpeng

Compound 8



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Plot date 2016-12-23



TP-G-070-3_500MHz

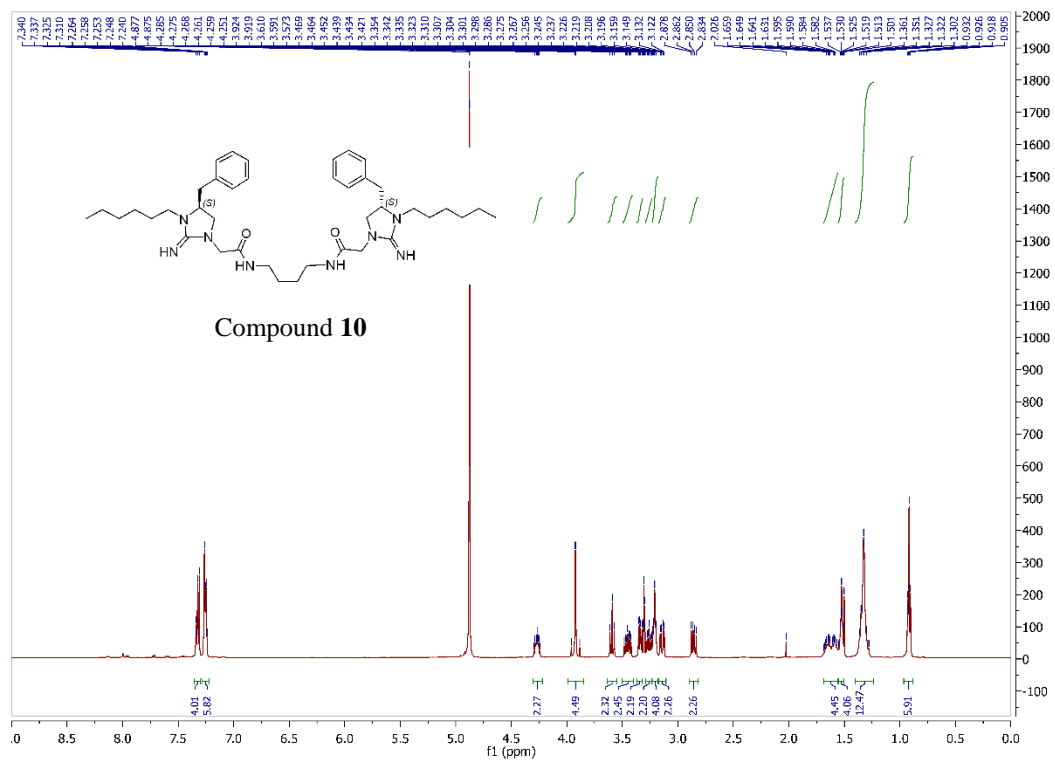
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Pulse sequence CARBON
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Study owner tpeng
Operator tpeng

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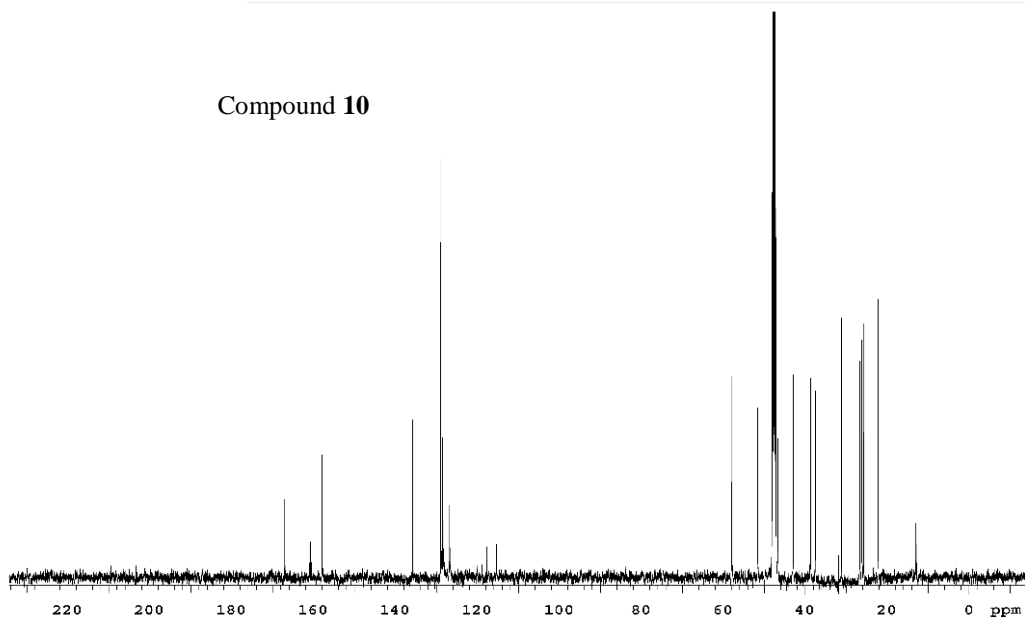
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Solvent: cd3od

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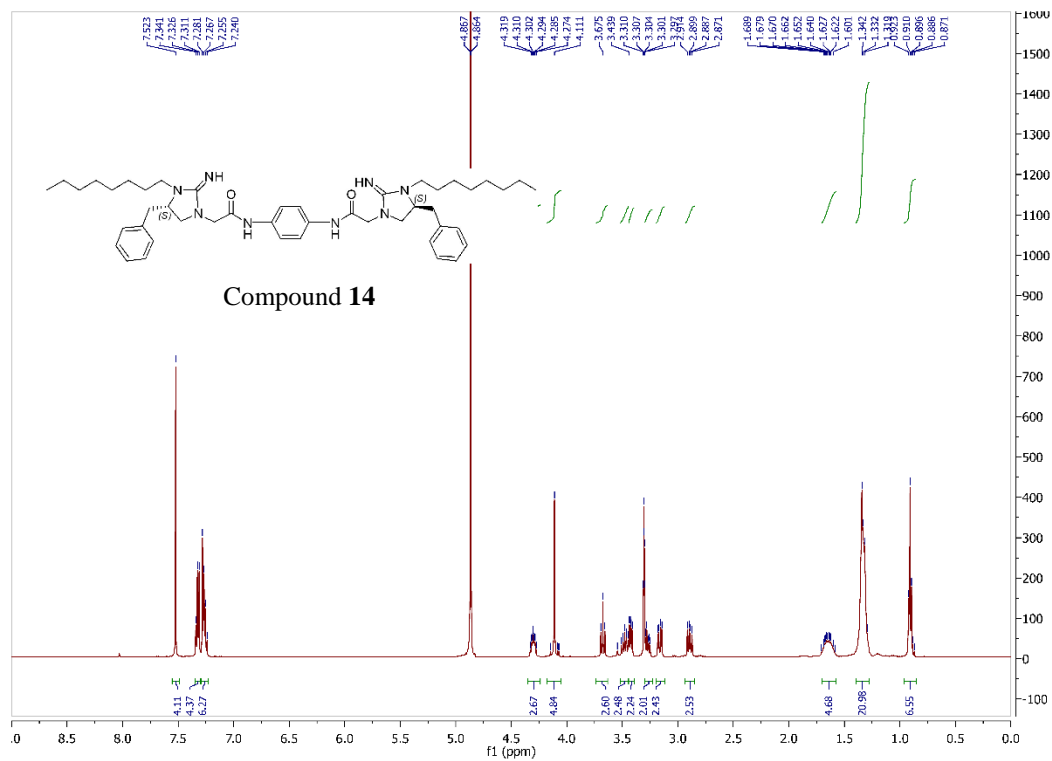
Study owner: tpong

Compound 10



Data file: mfsld500-1/d2/vnmr3/vnmrsys\data/tpong/TP-G-054-3_500MHz_20151223_011/TP-G-054-3_500MHz_CARBON_01.fid

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TP-G-129-3_500MHz

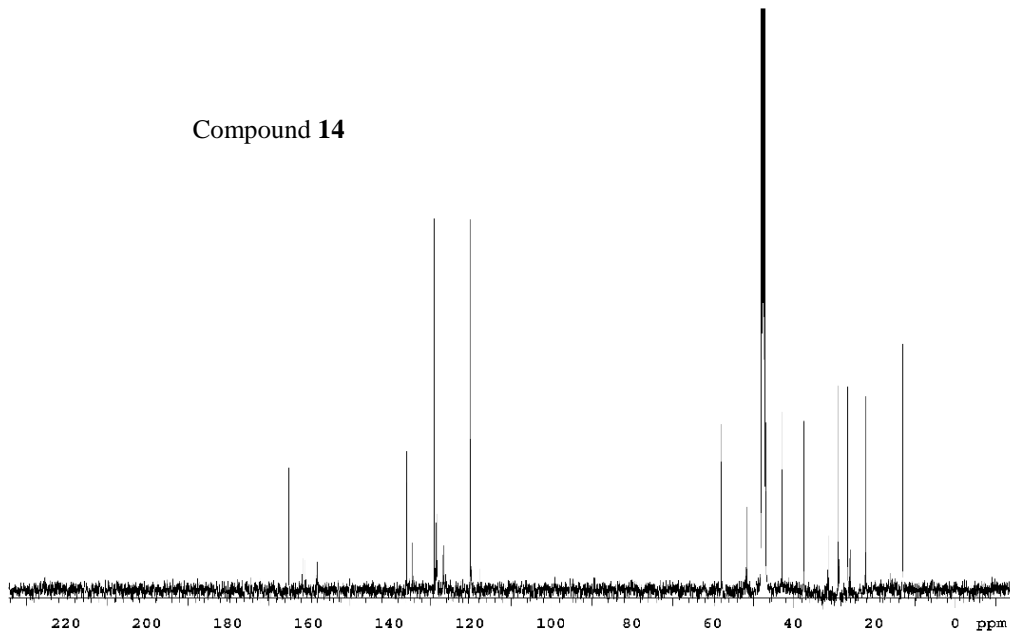
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Date collected 2016-12-24

Pulse sequence CARBON
Solvent cd3od

Temperature 26
Spectrometer dd500-1.cas.usf.edu-vnmrs500

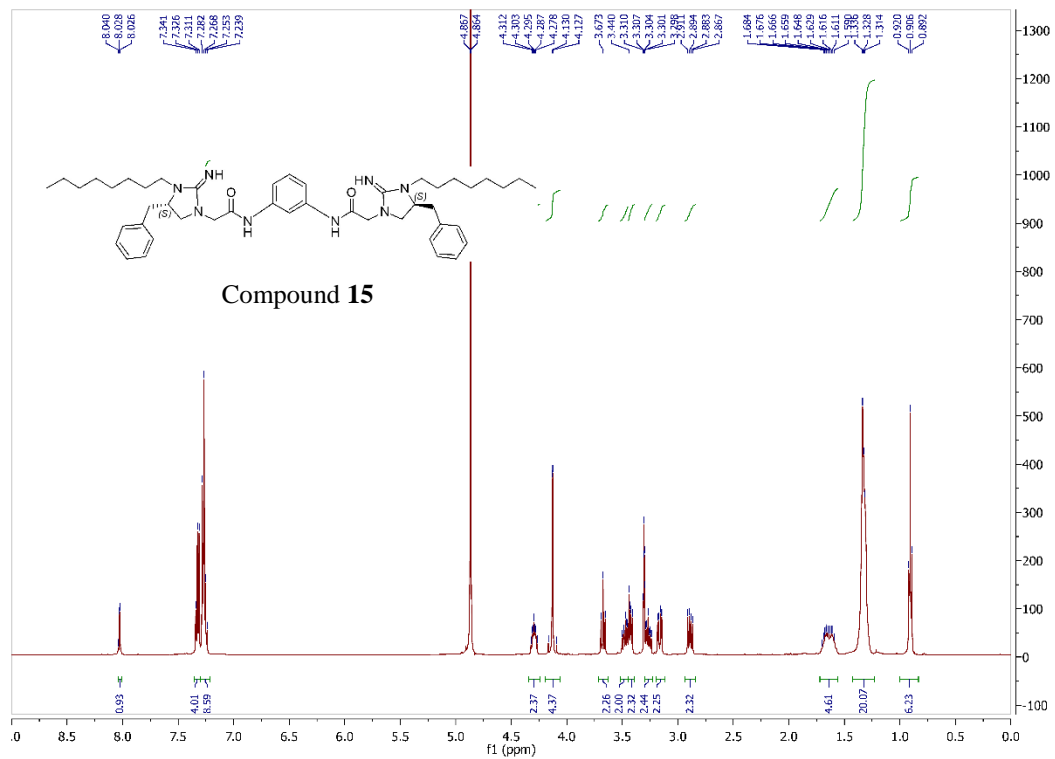
Study owner tpeng
Operator tpeng

Compound 14



Data file info: /od500-1/02/vnmr3/vnmr500/data/tpeng/TP-G-129-3_500MHz_20161224_011/TP-G-129-3_500MHz_CARBON_01.fid

Plot date 2016-12-24



TP-G-132-3_500MHz

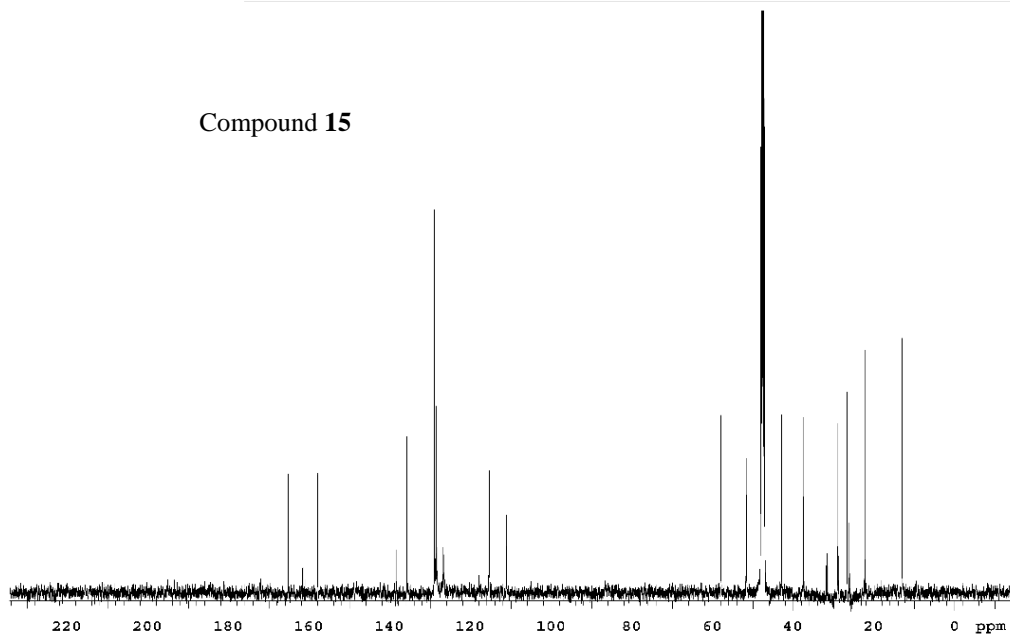
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Date collected: 2016-12-23

Pulse sequence: CARBON
Solvent: cd3od

Temperature: 26
Spectrometer: dd500-1.cas.usf.edu-vnmrs500

Study owner: tpeng
Operator: tpeng

Compound 15



Data file: info\od500-1\22\vnmr3\vnmr3\data\tpeng\TP-G-132-3_500MHz_20161223_011\TP-G-132-3_500MHz_CARBON_01.fid

Plot date: 2016-12-23

HPLC analysis of compounds 1–16.

Table S1. HPLC purities^a and retention time of compounds 1–16.

Compound Name	Purity (based on HPLC) (%)	Retention Time (min)
1	97.68	15.24
2	96.88	17.32
3	98.82	19.51
4	99.82	18.74
5	99.81	26.33
6	98.75	27.56
7	99.32	30.43
8	99.70	31.00
9	97.16	30.25
10	97.52	25.67
11	95.31	26.85
12	96.31	27.15
13	98.55	27.25
14	99.13	31.96
15	99.70	31.00
16	99.82	27.56

^aThe purity of the compounds was determined to be >95% by analytical HPLC (1 mL/min flow, 5% to 100% linear gradient of solvent B (0.1% TFA in acetonitrile) in A (0.1% TFA in water) over 50 min was used).

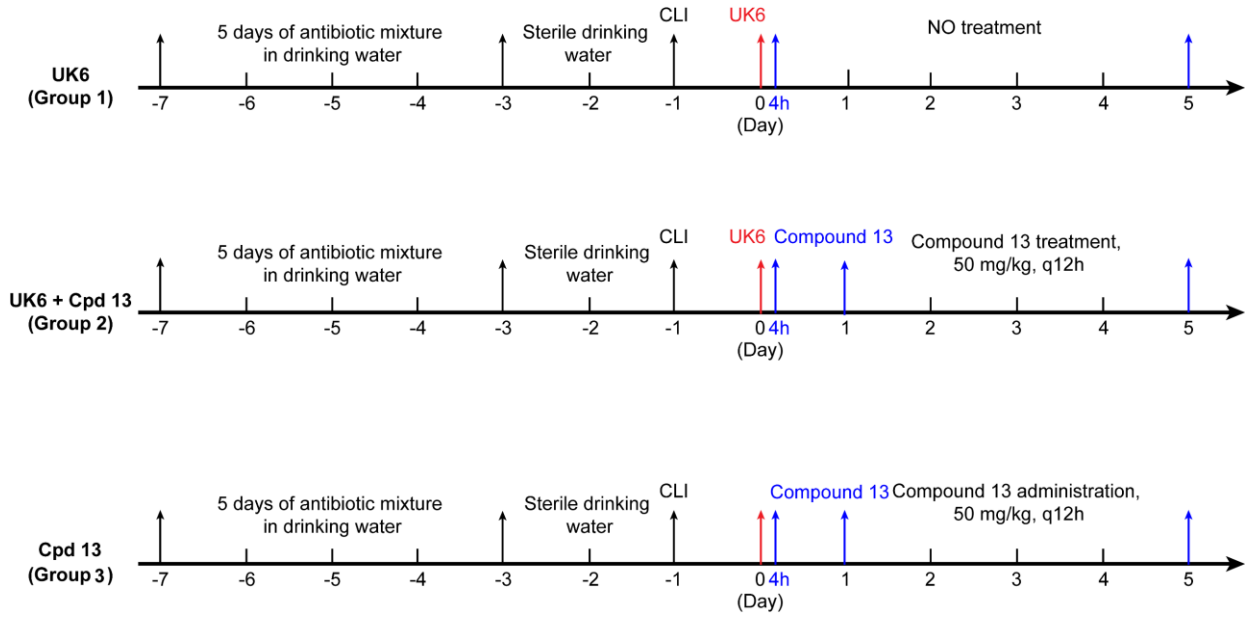


Figure S1. Experimental scheme of pretreatment of mice in a mouse model of *C. difficile* infection.