

## Supporting Information

### Synthesis and structural reconfirmation of bacillamide B

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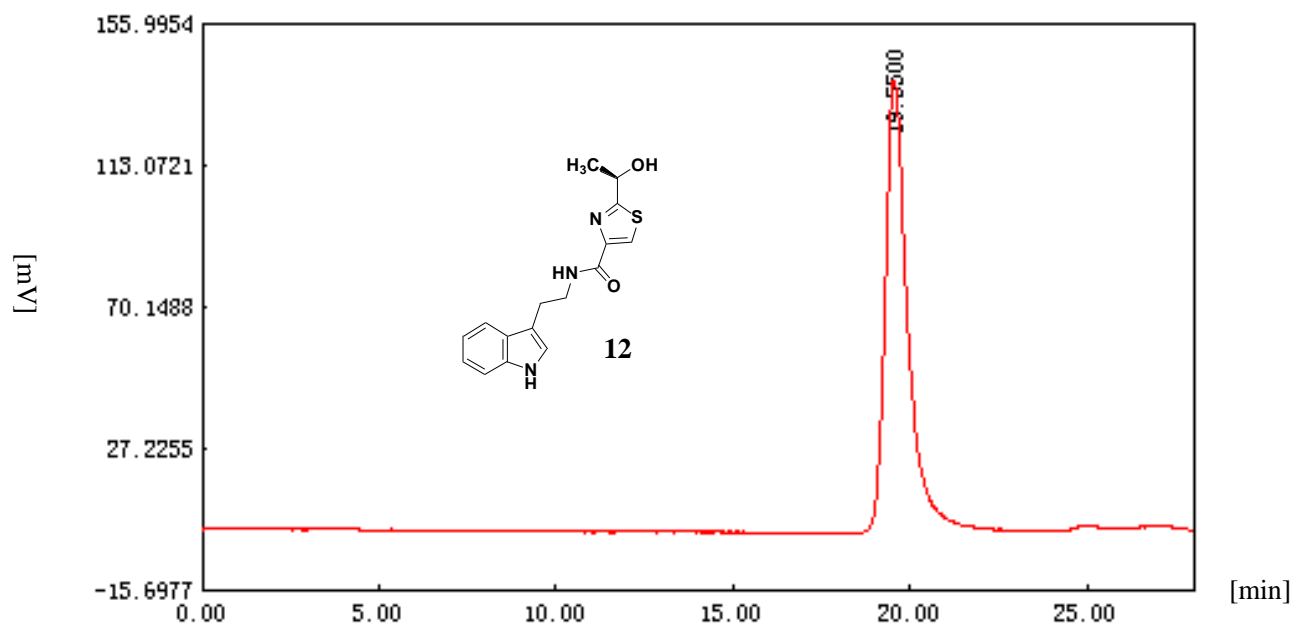
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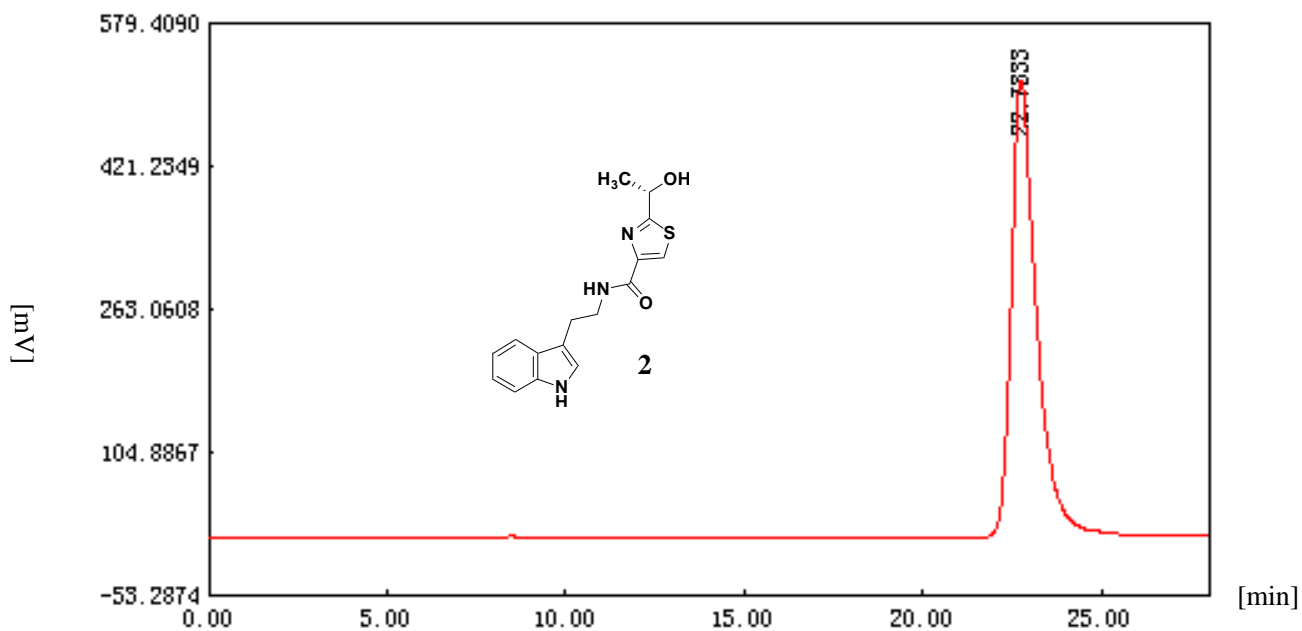
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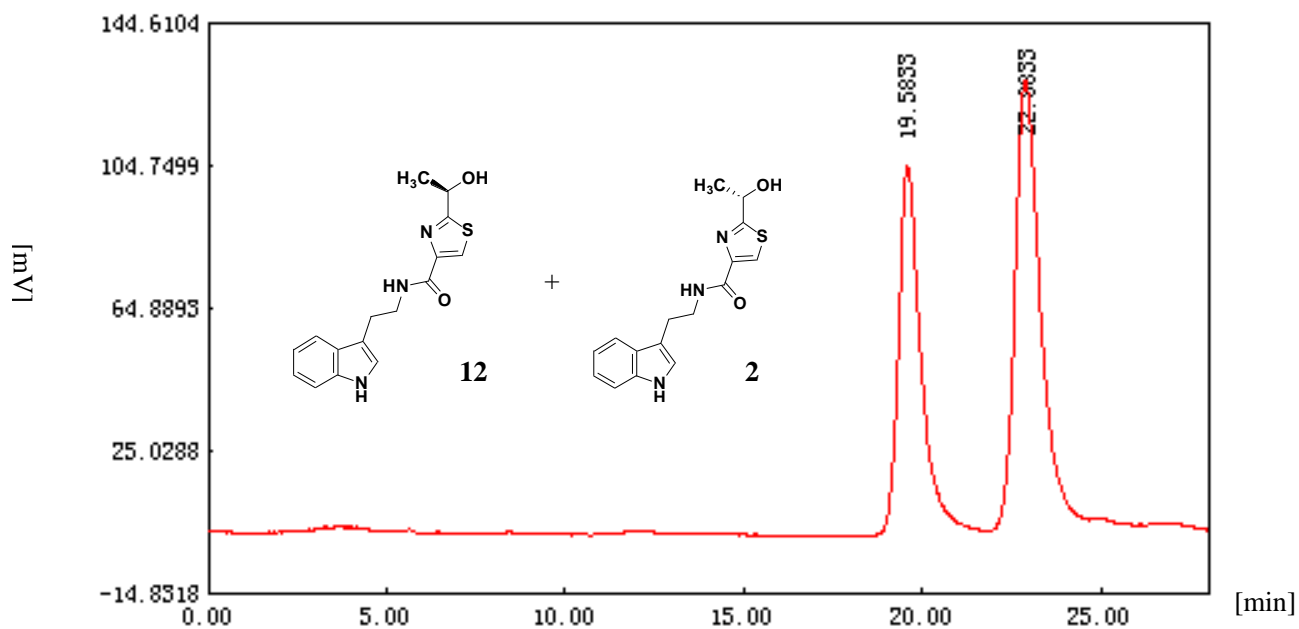
# 1. Chirality analysis by HPLC with chiral modified column for (*R/S*)-Bacillamide B



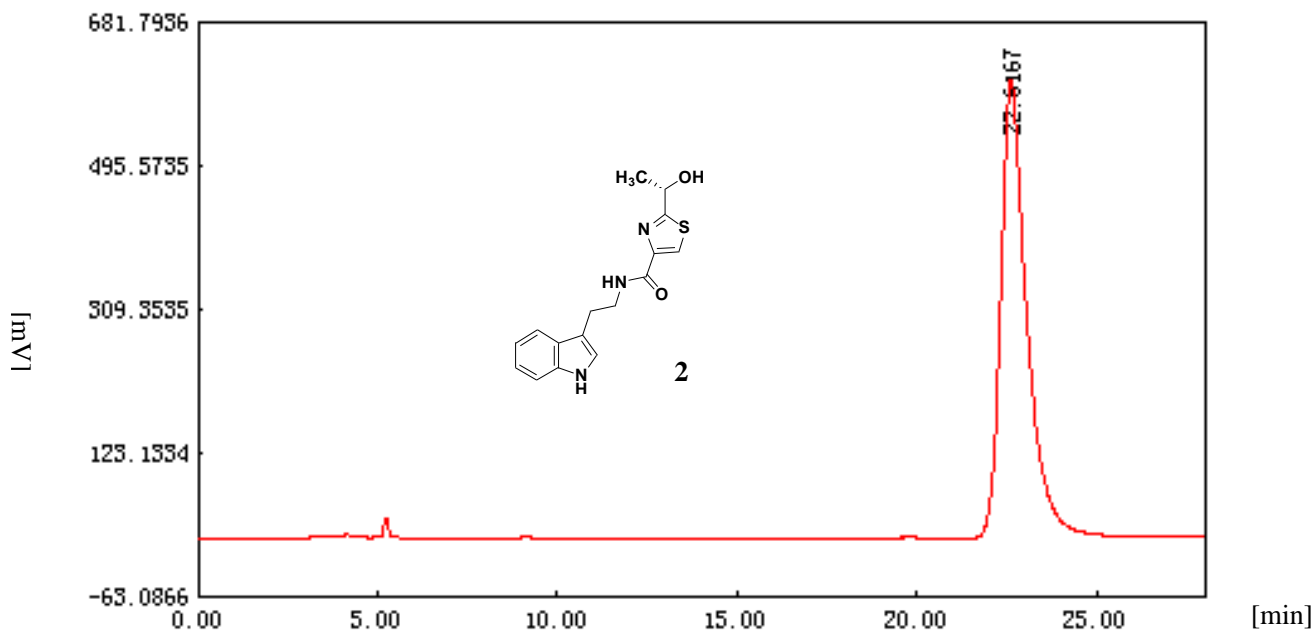
(*R*)-Bacillamide B (**12**) from our route



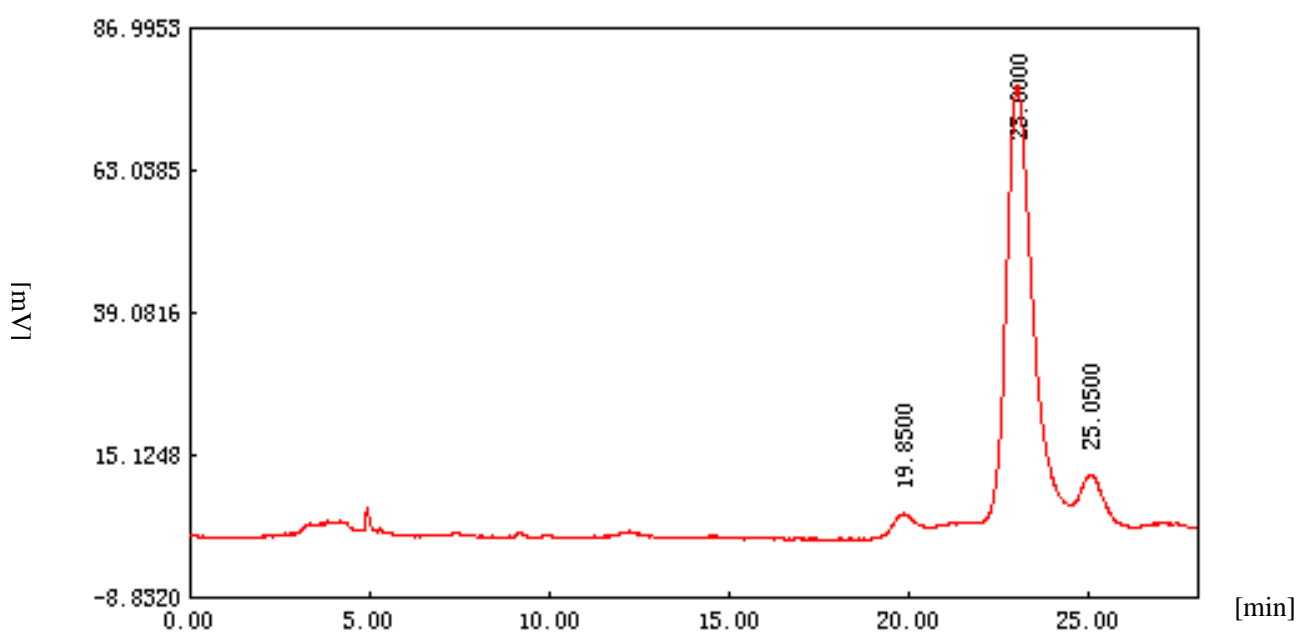
(*S*)-Bacillamide B (**2**) from our route



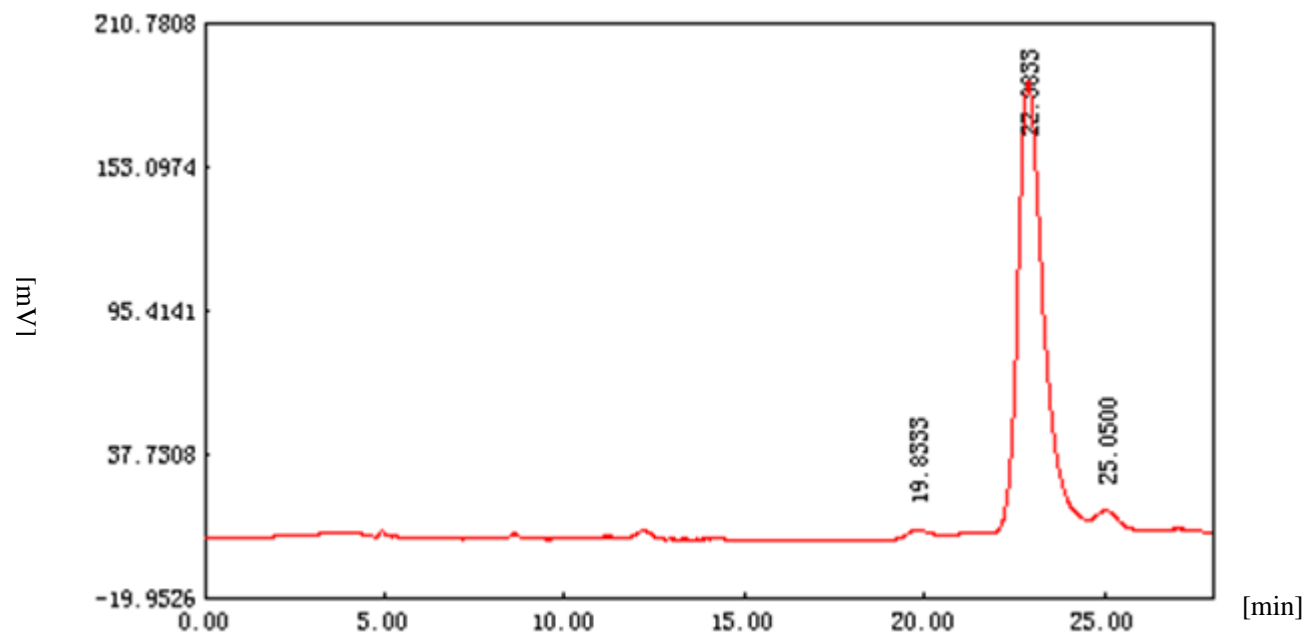
Mixture of (*R/S*)-Bacillamide B (**12** + **2**) from our route



(S)-Bacillamide B (2) from repeating Bray's route

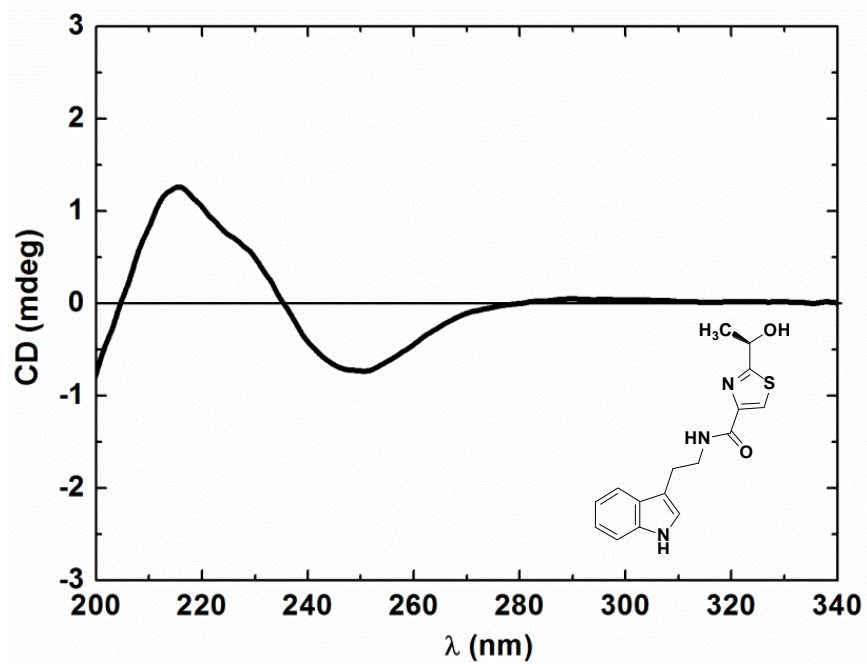


Natural product Bacillamide B provided by Li's group

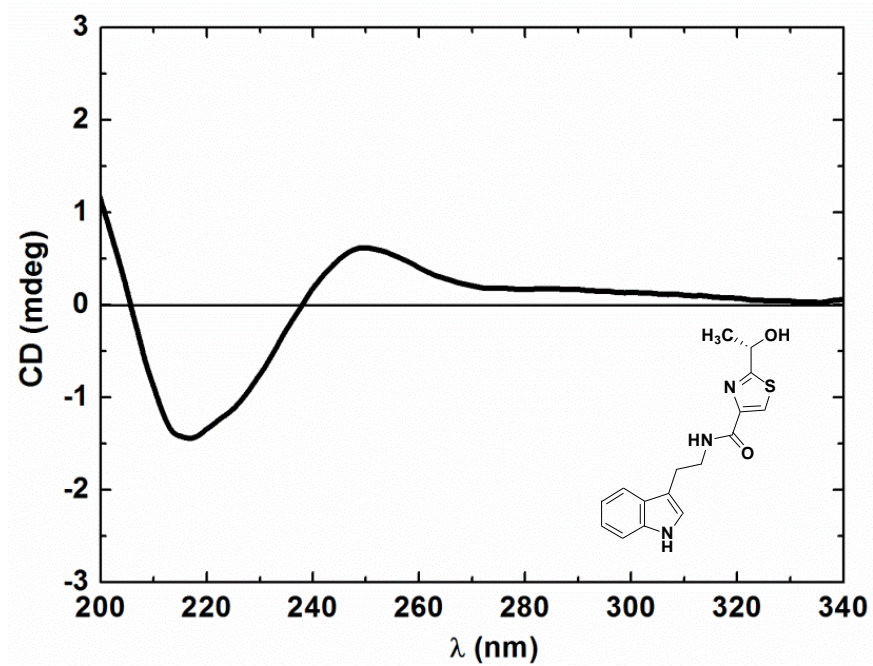


Mixture of natural product Bacillamide B provided by Li's group with  
(S)-Bacillamide B (2) from our route

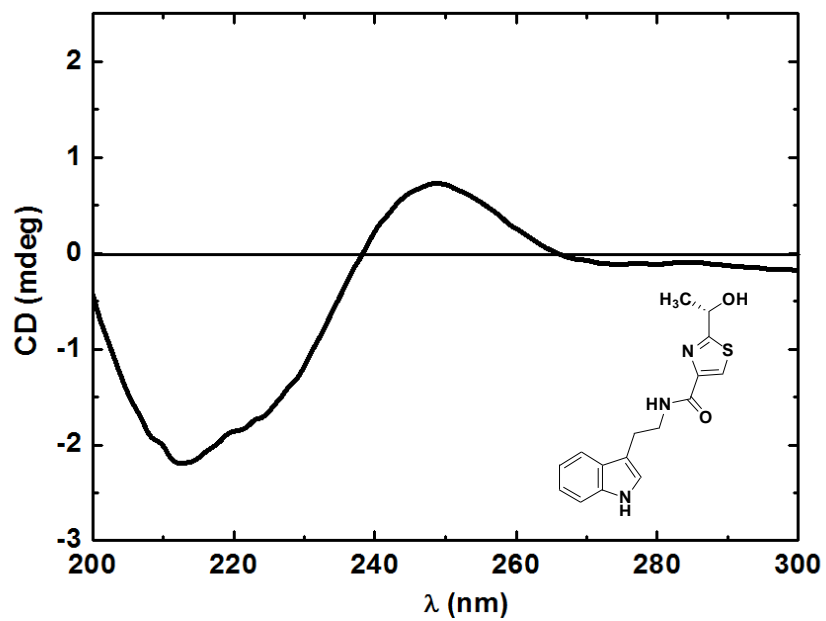
## 2. CD spectra of (*R/S*)-Bacillamide B



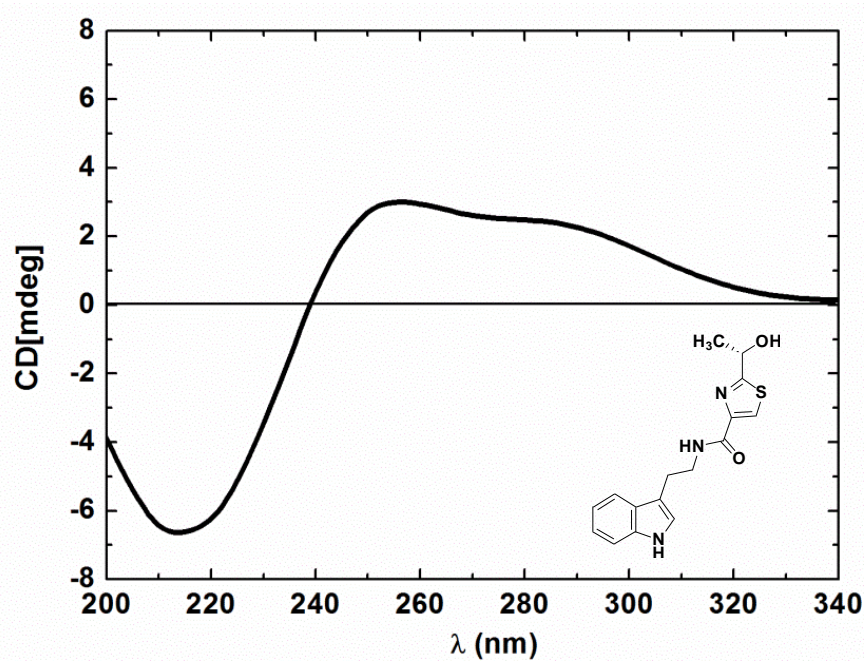
(*R*)-Bacillamide B (**12**) from our route



(*S*)-Bacillamide B (**2**) from our route



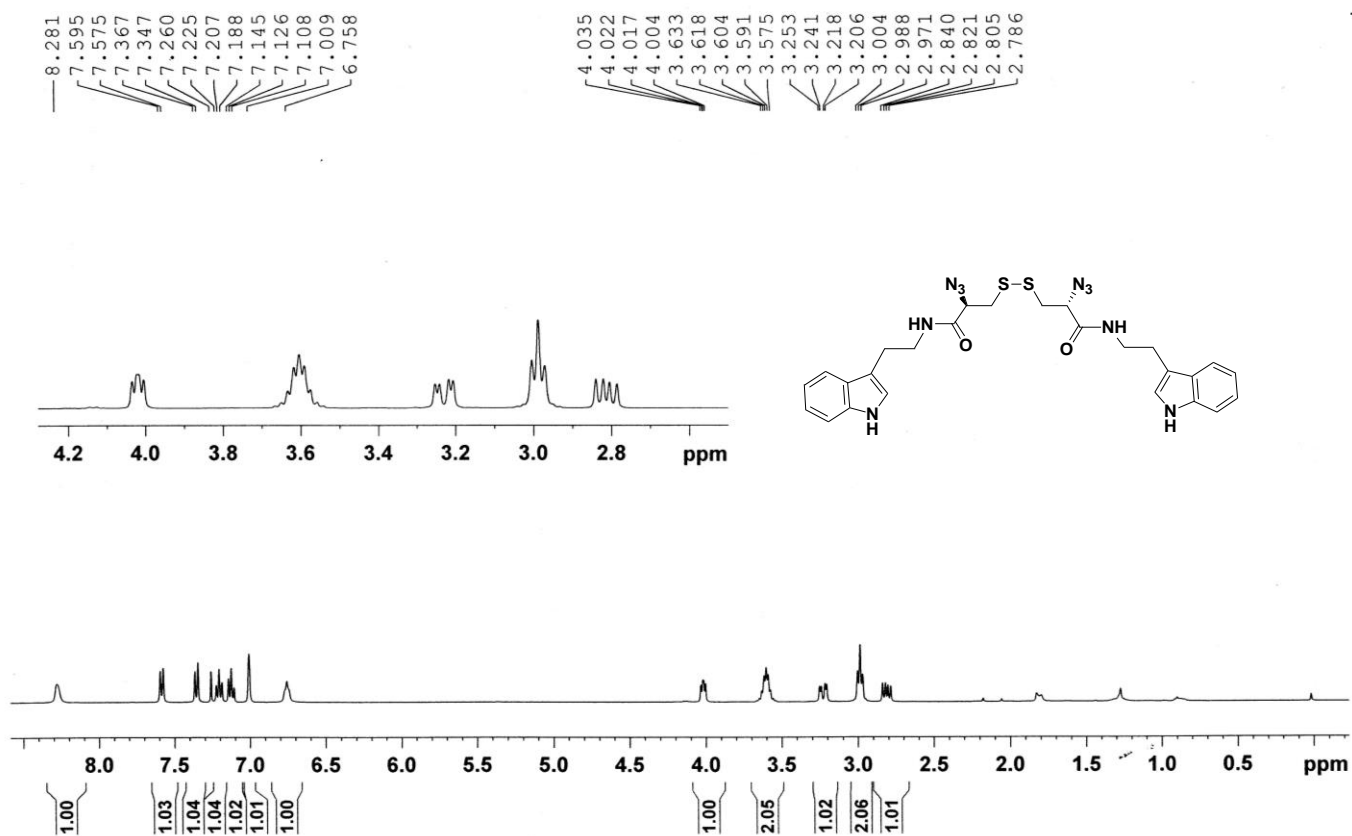
(S)-Bacillamide B (**2**) from repeating Bray's route



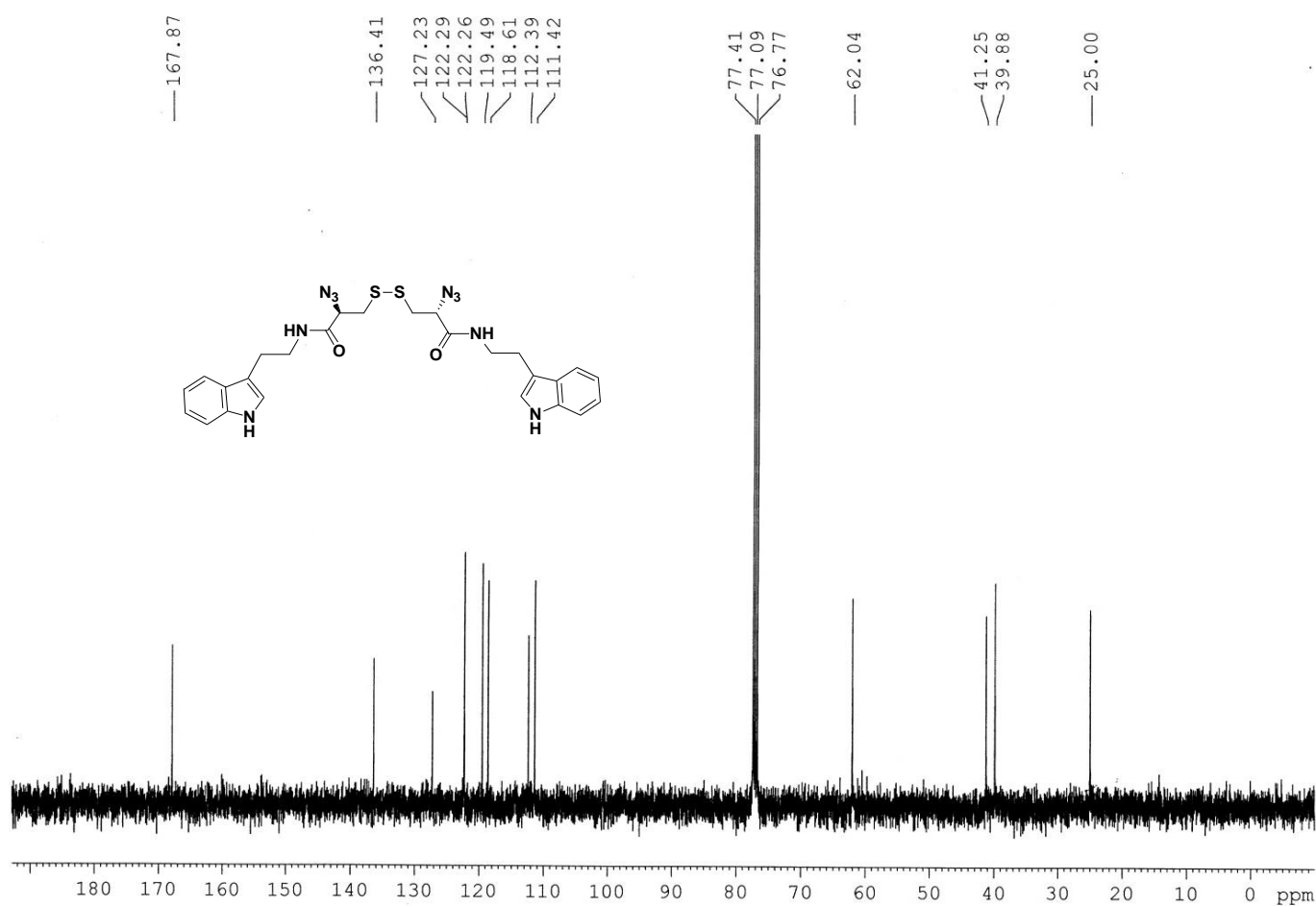
Natural product Bacillamide B provided by Li's group

### 3. Copies of NMR Spectra

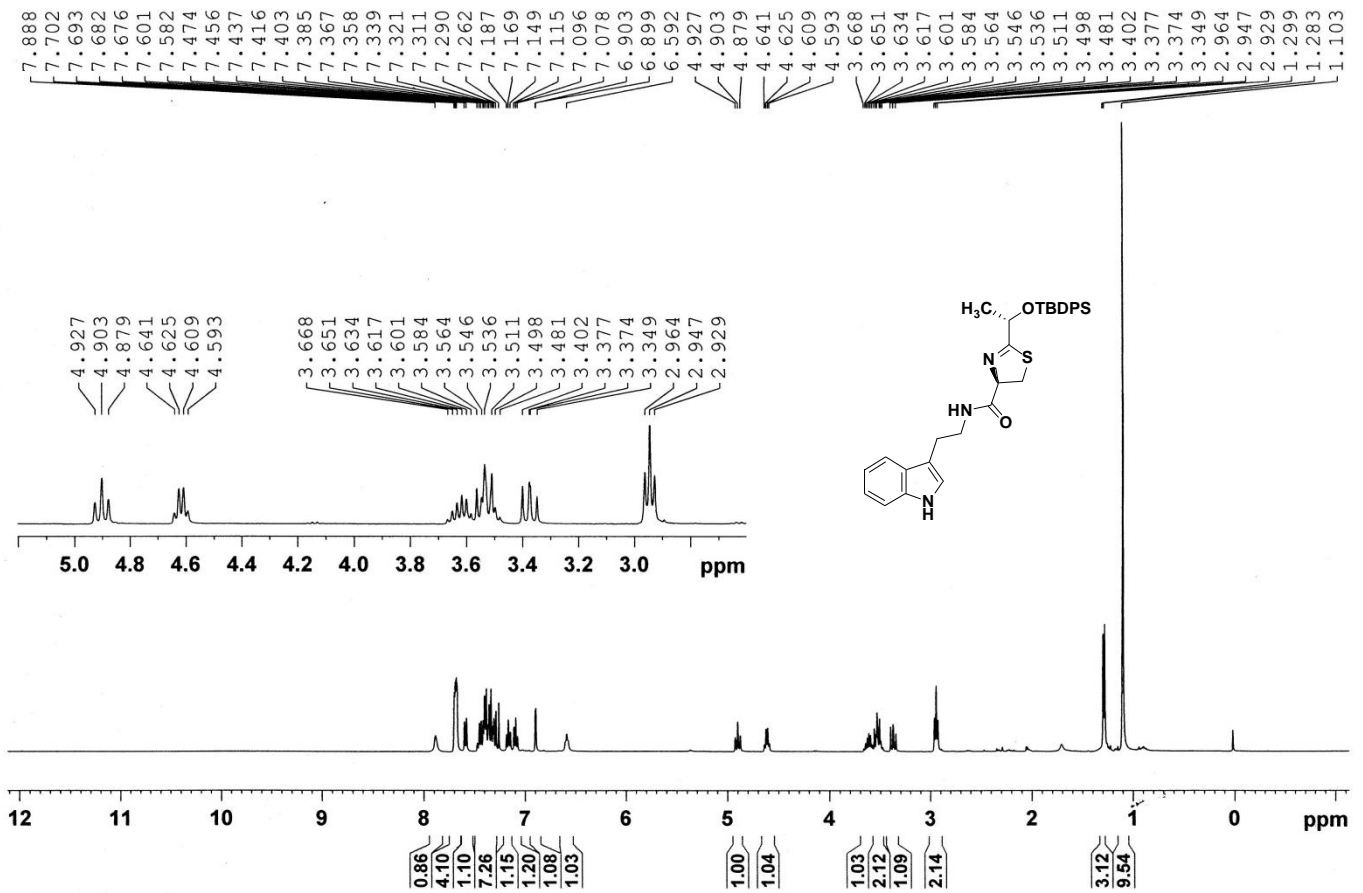
#### $^1\text{H}$ NMR (400MHz, $\text{CDCl}_3$ ) spectrum of 7



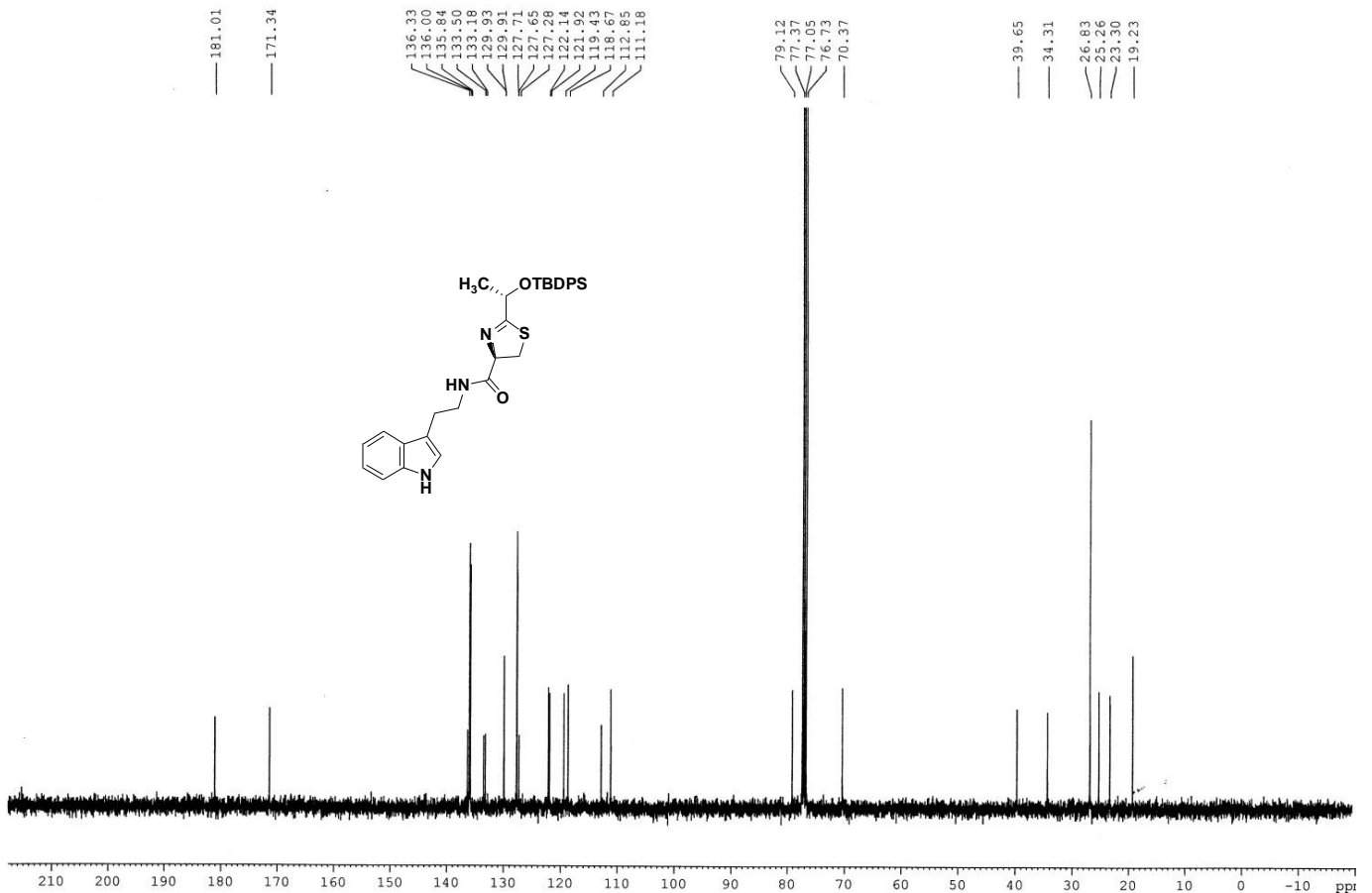
#### $^{13}\text{C}$ NMR (100MHz, $\text{CDCl}_3$ ) spectrum of 7



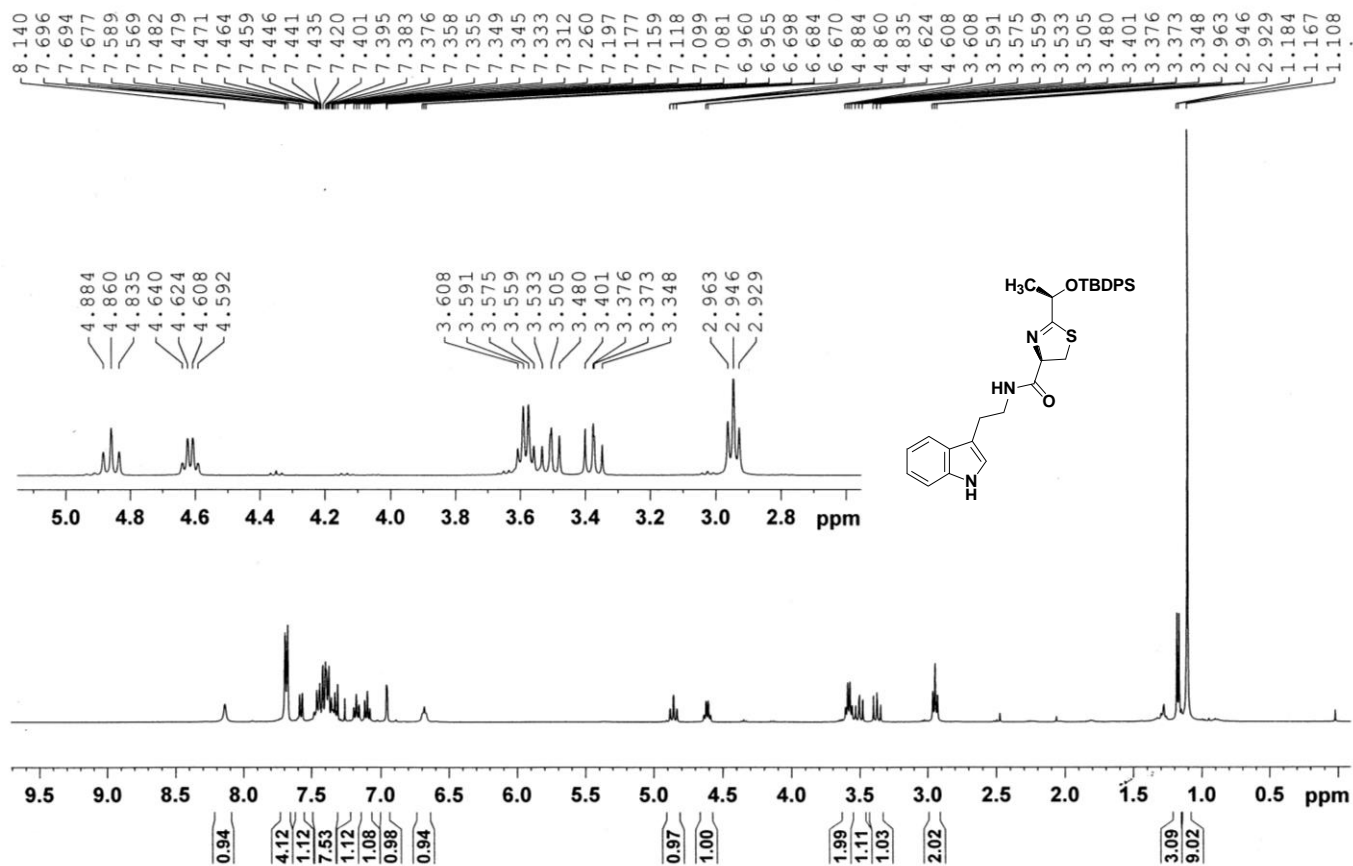
<sup>1</sup>H NMR (400MHz, CDCl<sub>3</sub>) spectrum of 8



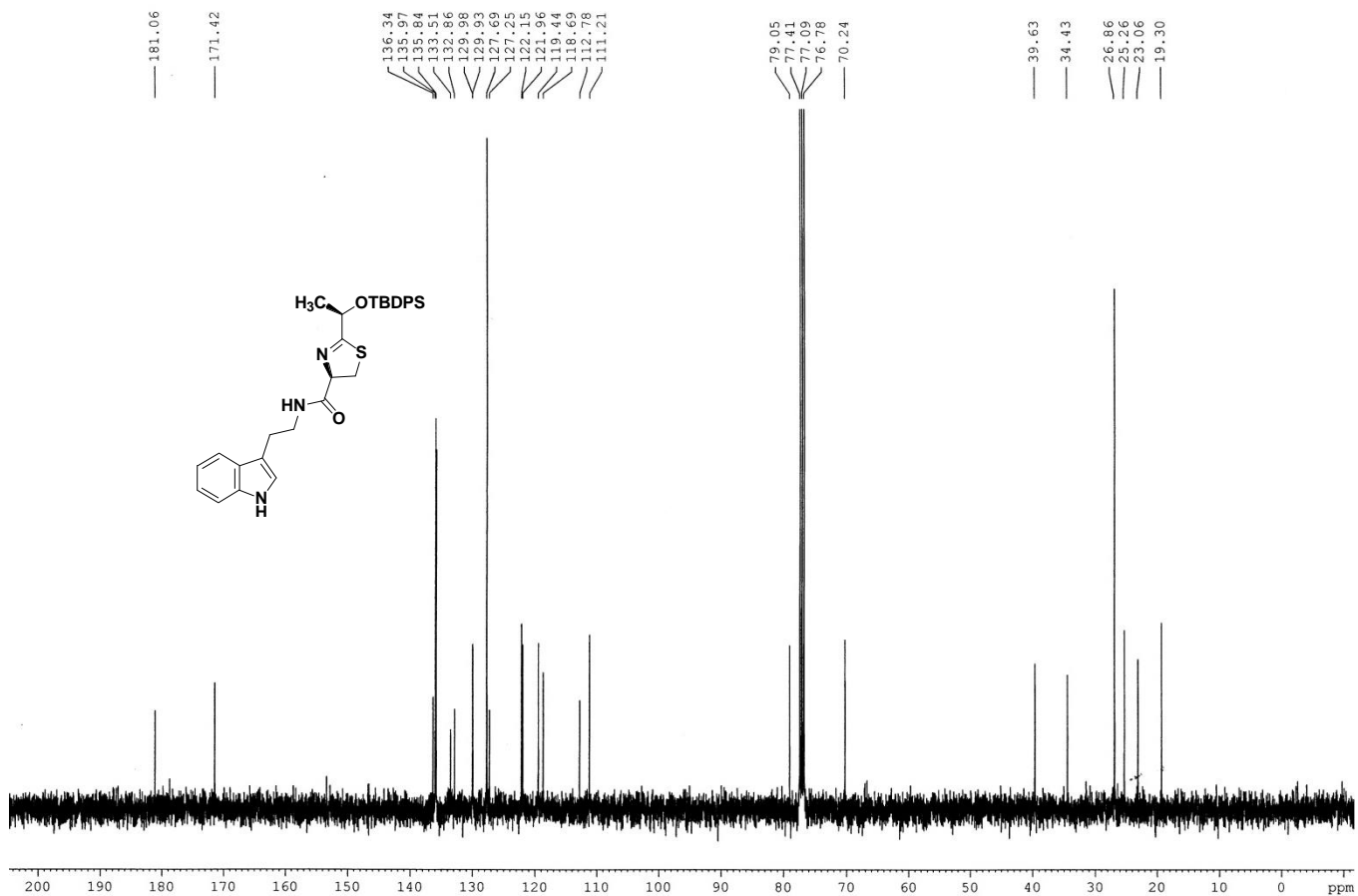
<sup>13</sup>C NMR (100MHz, CDCl<sub>3</sub>) spectrum of 8



# $^1\text{H}$ NMR (400MHz, $\text{CDCl}_3$ ) spectrum of (*R*)-thiazoline

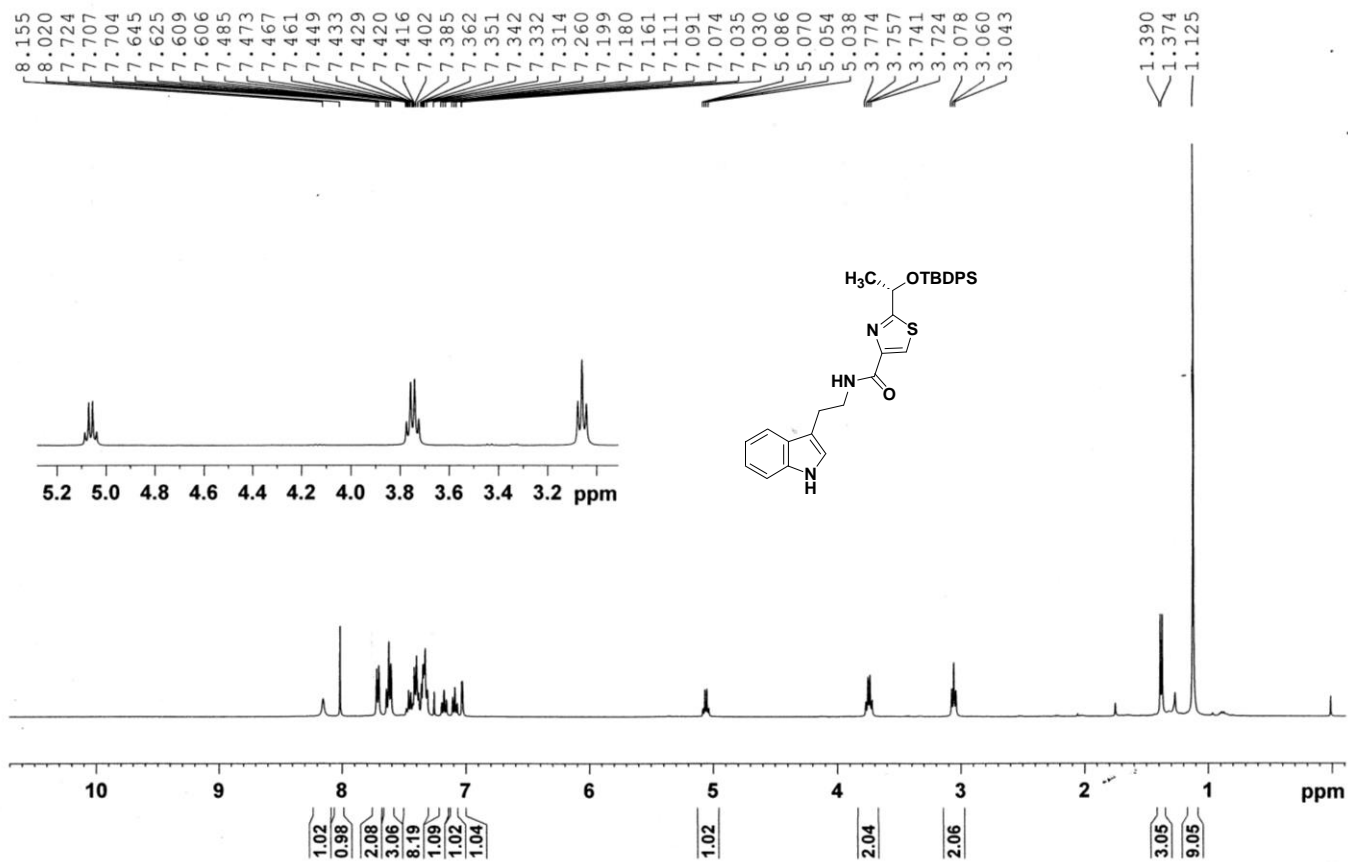


# $^{13}\text{C}$ NMR (100MHz, $\text{CDCl}_3$ ) spectrum of (*R*)-thiazoline

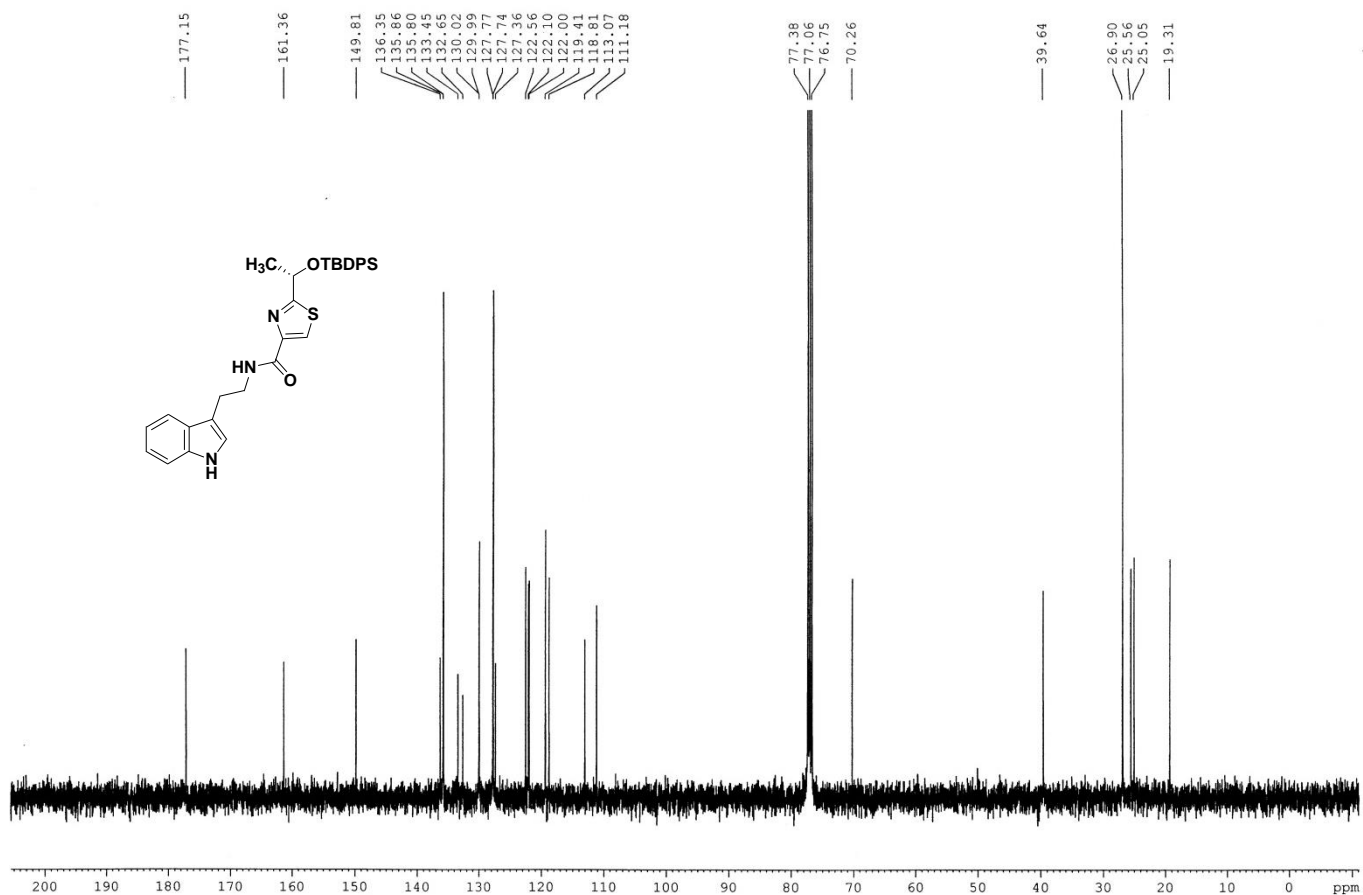




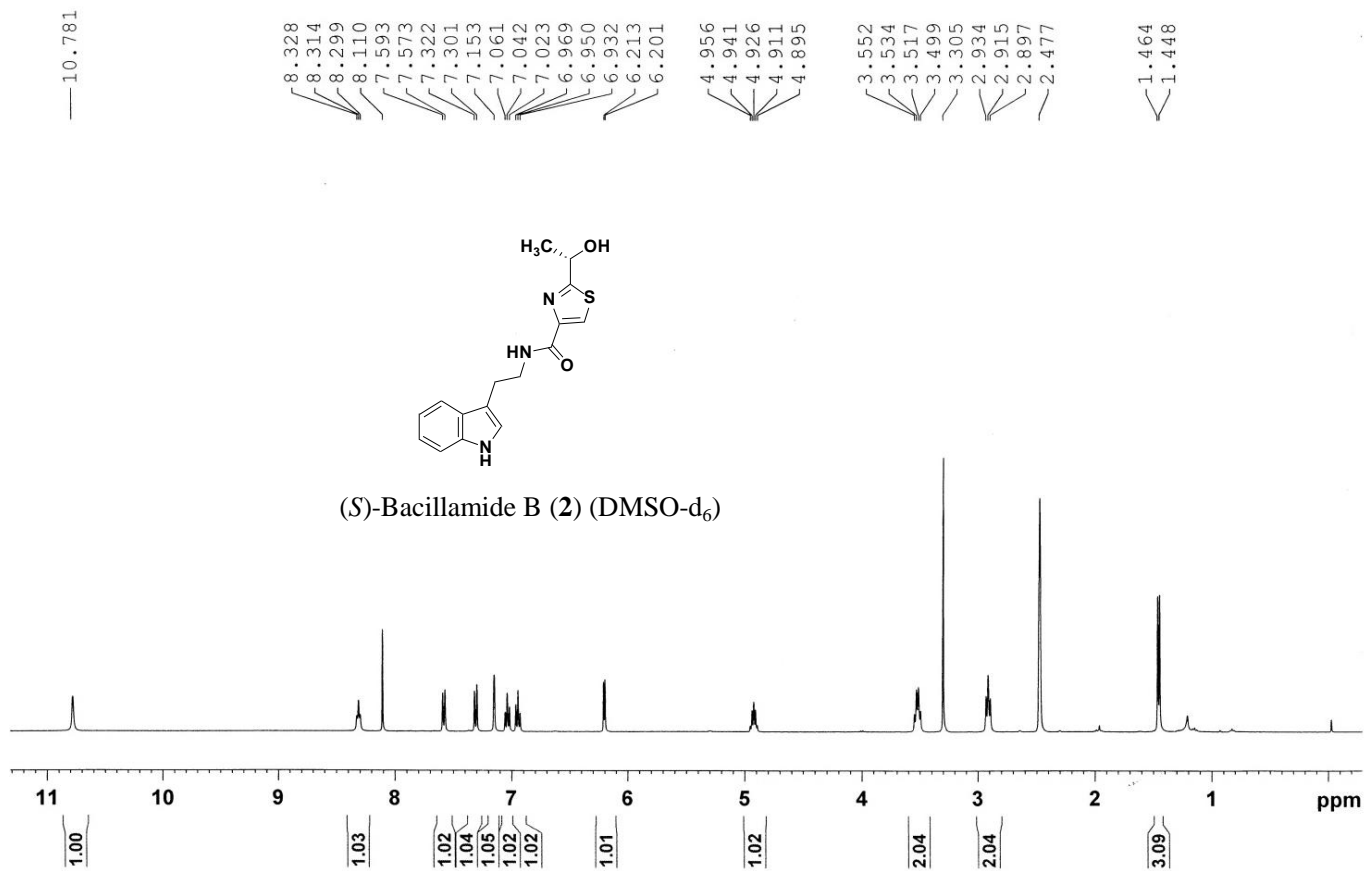
# <sup>1</sup>H NMR (400MHz, CDCl<sub>3</sub>) spectrum of 9



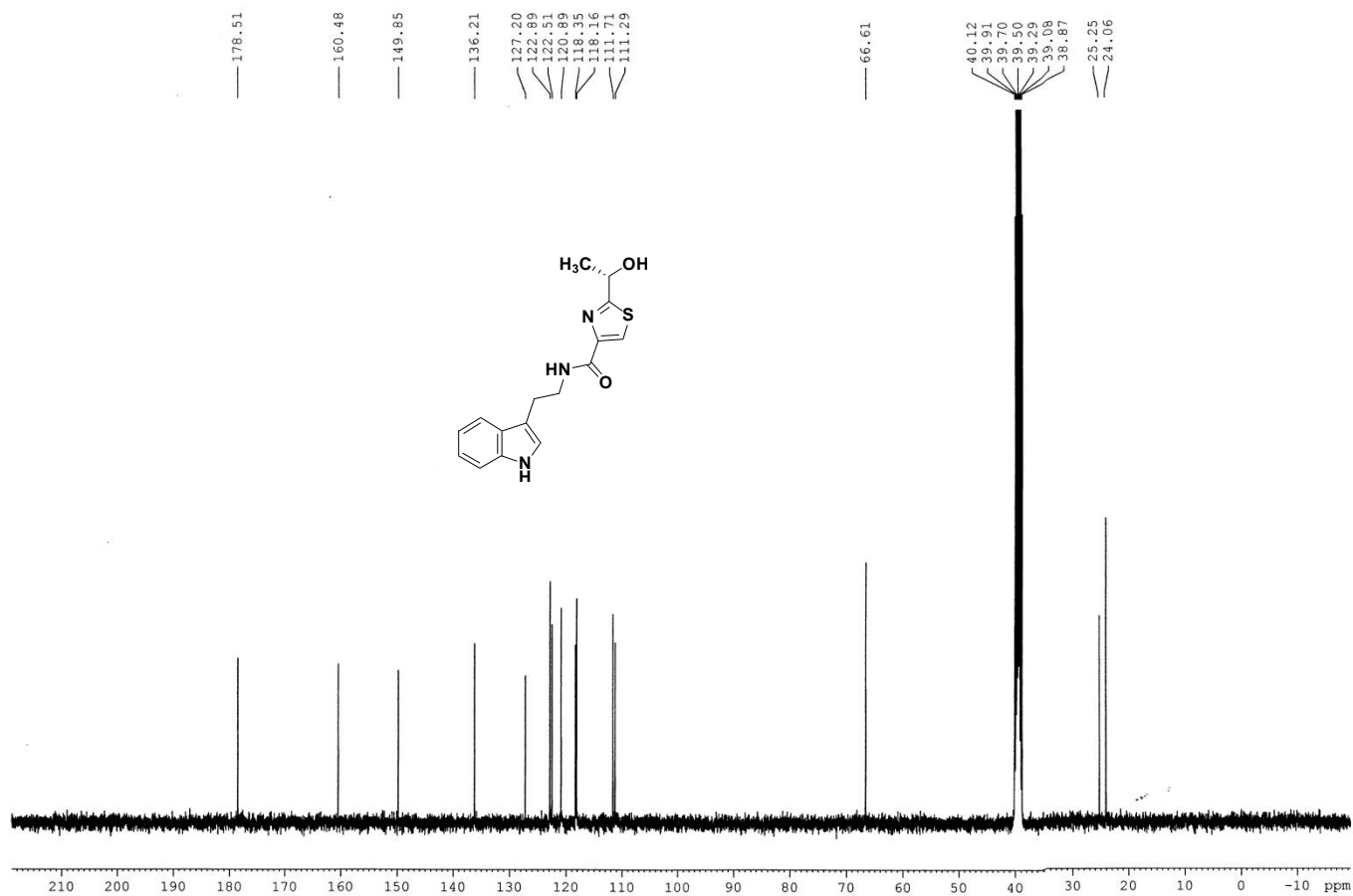
# <sup>13</sup>C NMR (100MHz, CDCl<sub>3</sub>) spectrum of 9



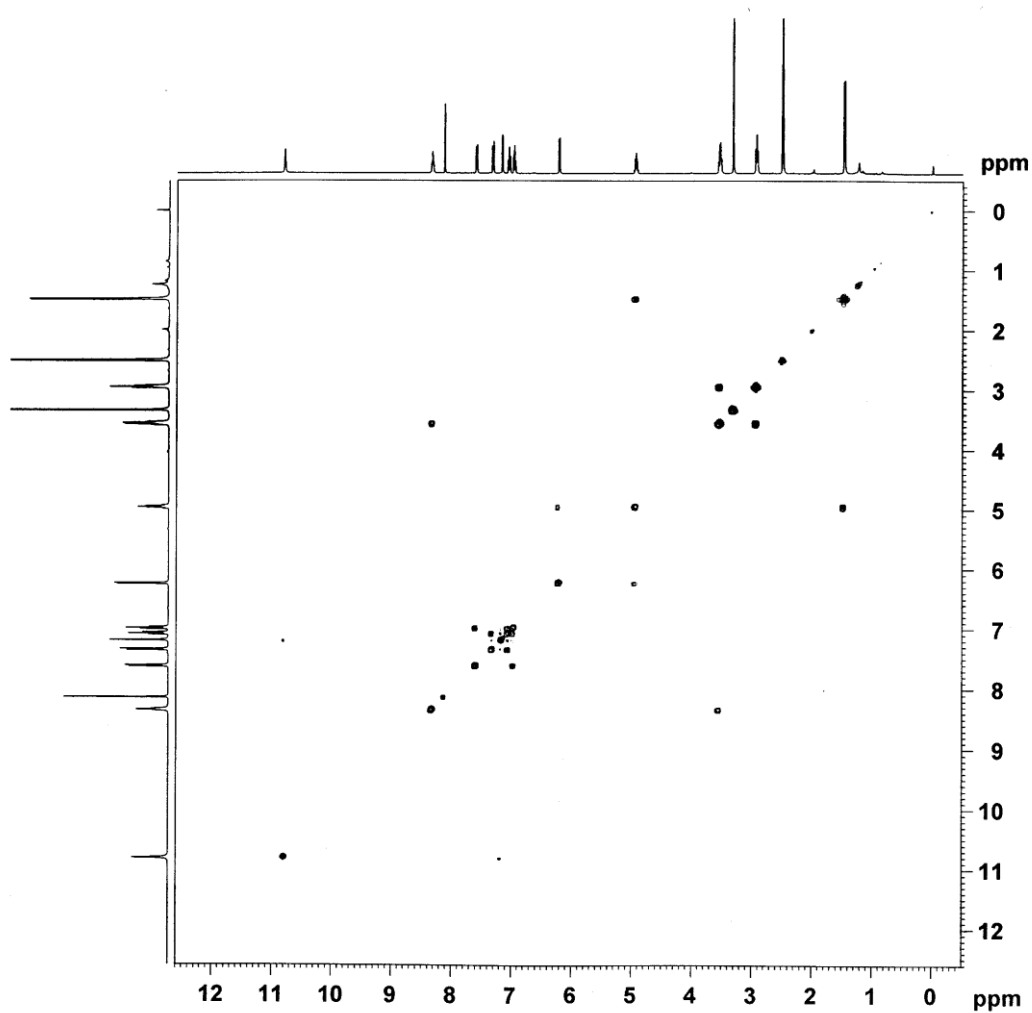
# $^1\text{H}$ NMR (400MHz, $\text{DMSO-d}_6$ ) spectrum of (*S*)-Bacillamide B (2)



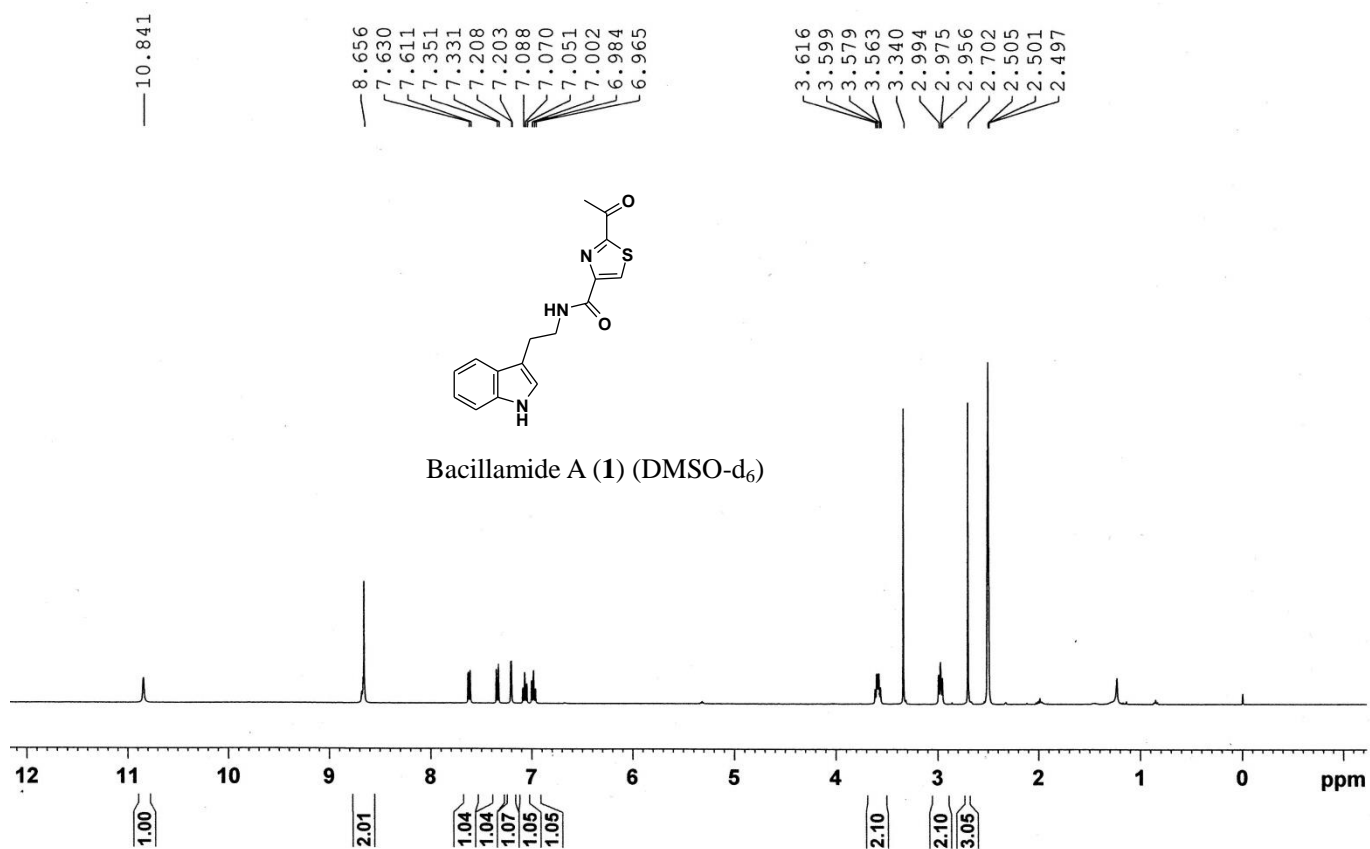
# $^{13}\text{C}$ NMR (100MHz, $\text{DMSO-d}_6$ ) spectrum of (*S*)-Bacillamide B (2)



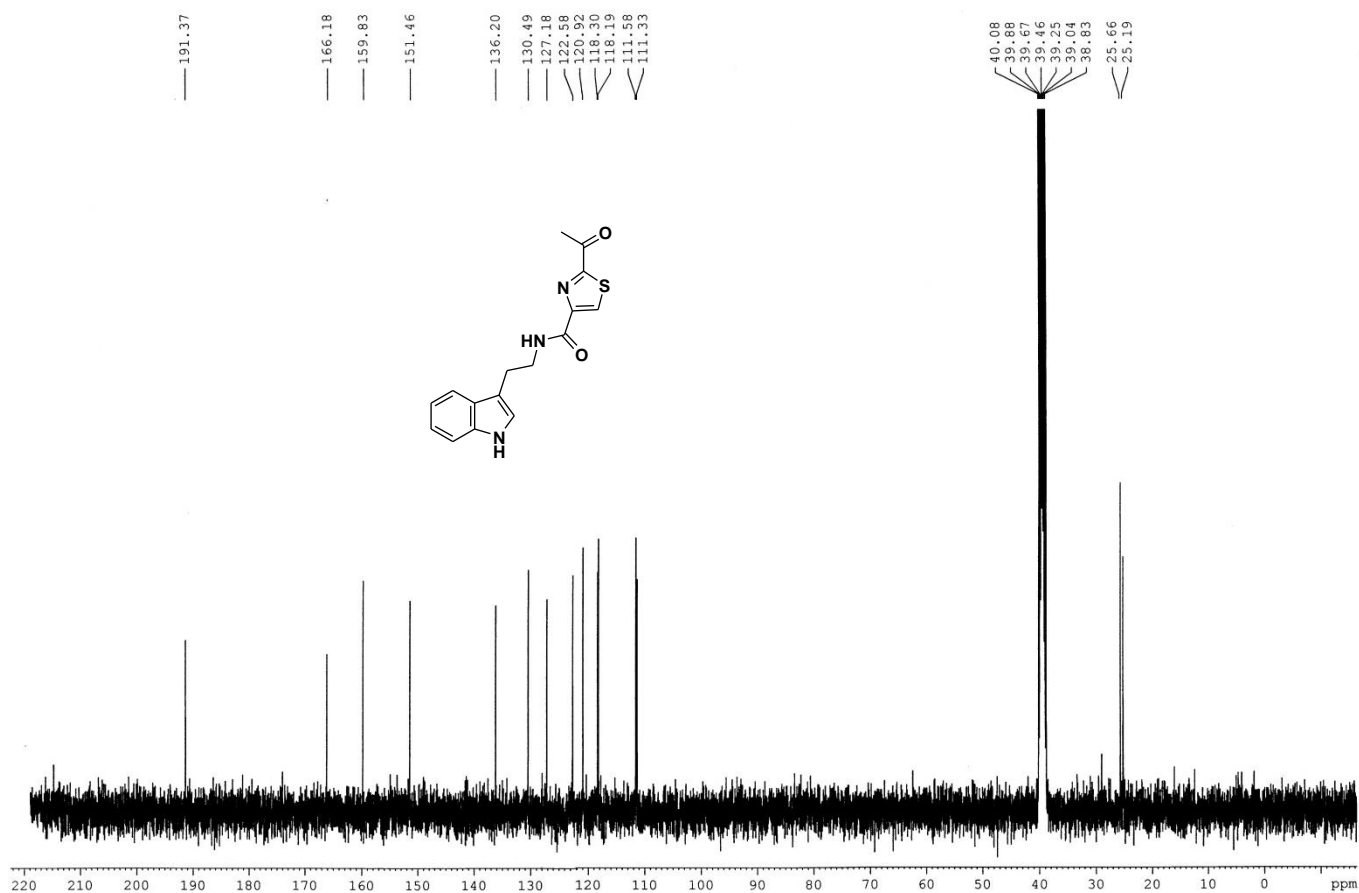
**H-H COSY (400MHz, DMSO-d<sub>6</sub>) spectrum of (S)-Bacillamide B (2)**



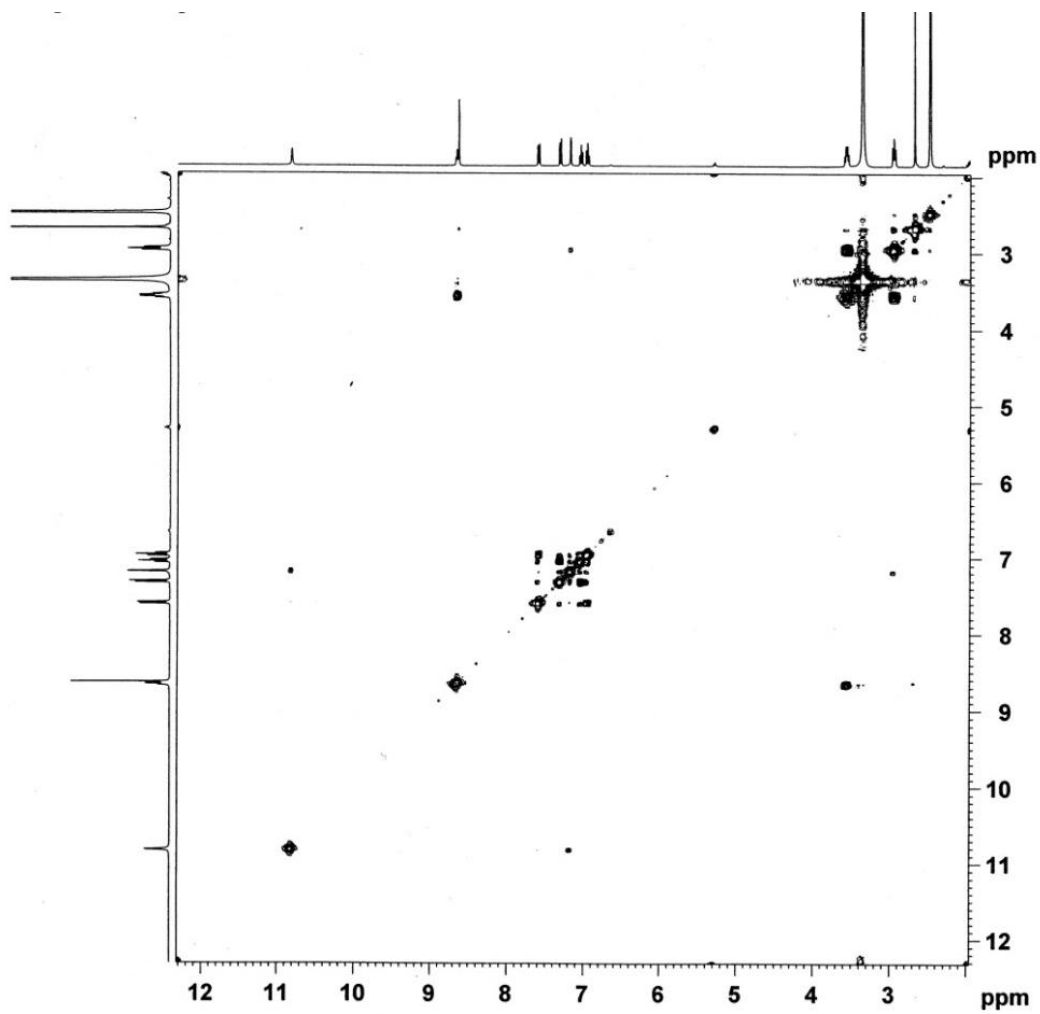
**<sup>1</sup>H NMR (400MHz, DMSO-d<sub>6</sub>) spectrum of Bacillamide A (1)**



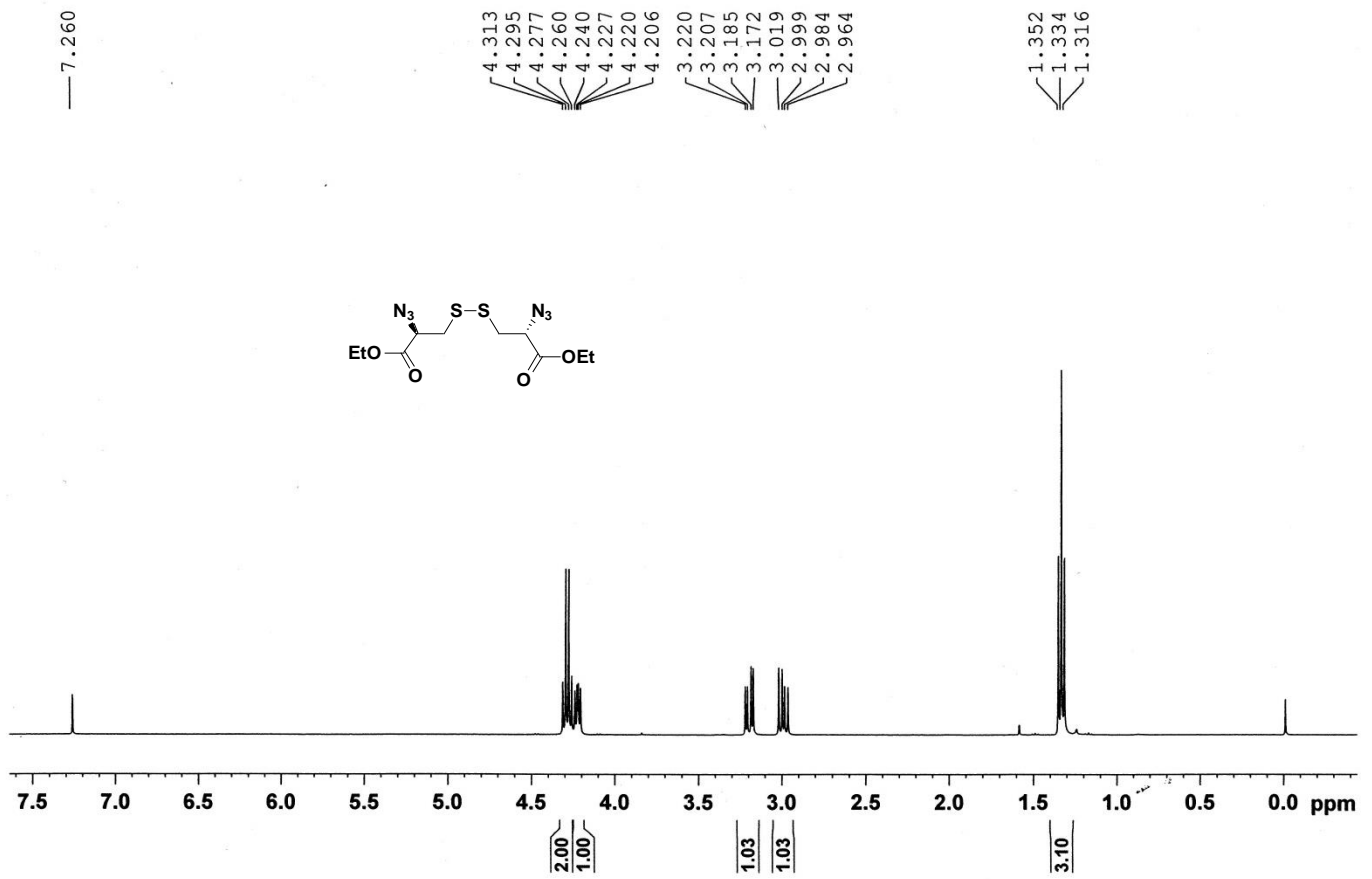
# <sup>13</sup>C NMR (100MHz, DMSO-d<sub>6</sub>) spectrum of Bacillamide A (1)



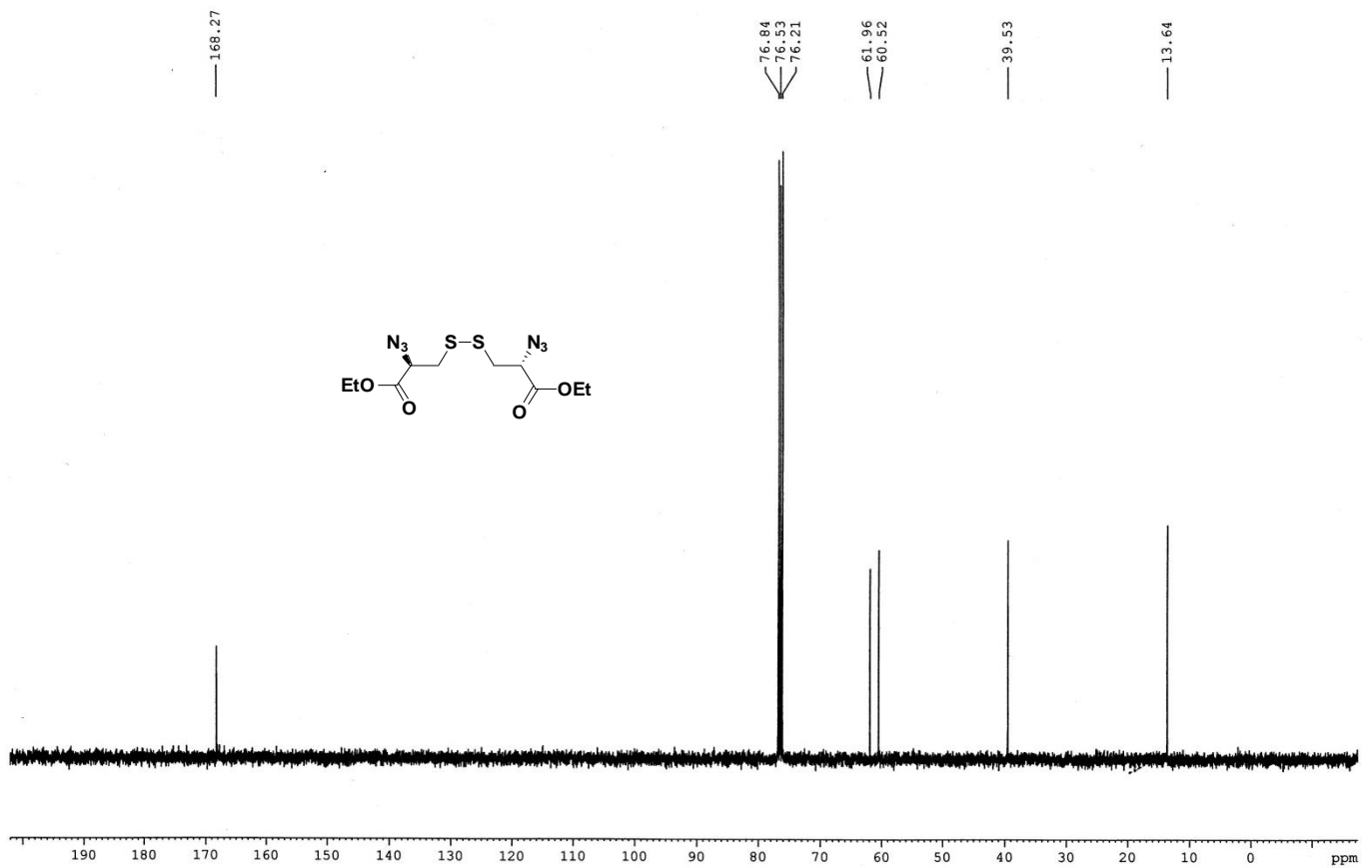
# H-H COSY (400MHz, DMSO-d<sub>6</sub>) spectrum of Bacillamide A (1)



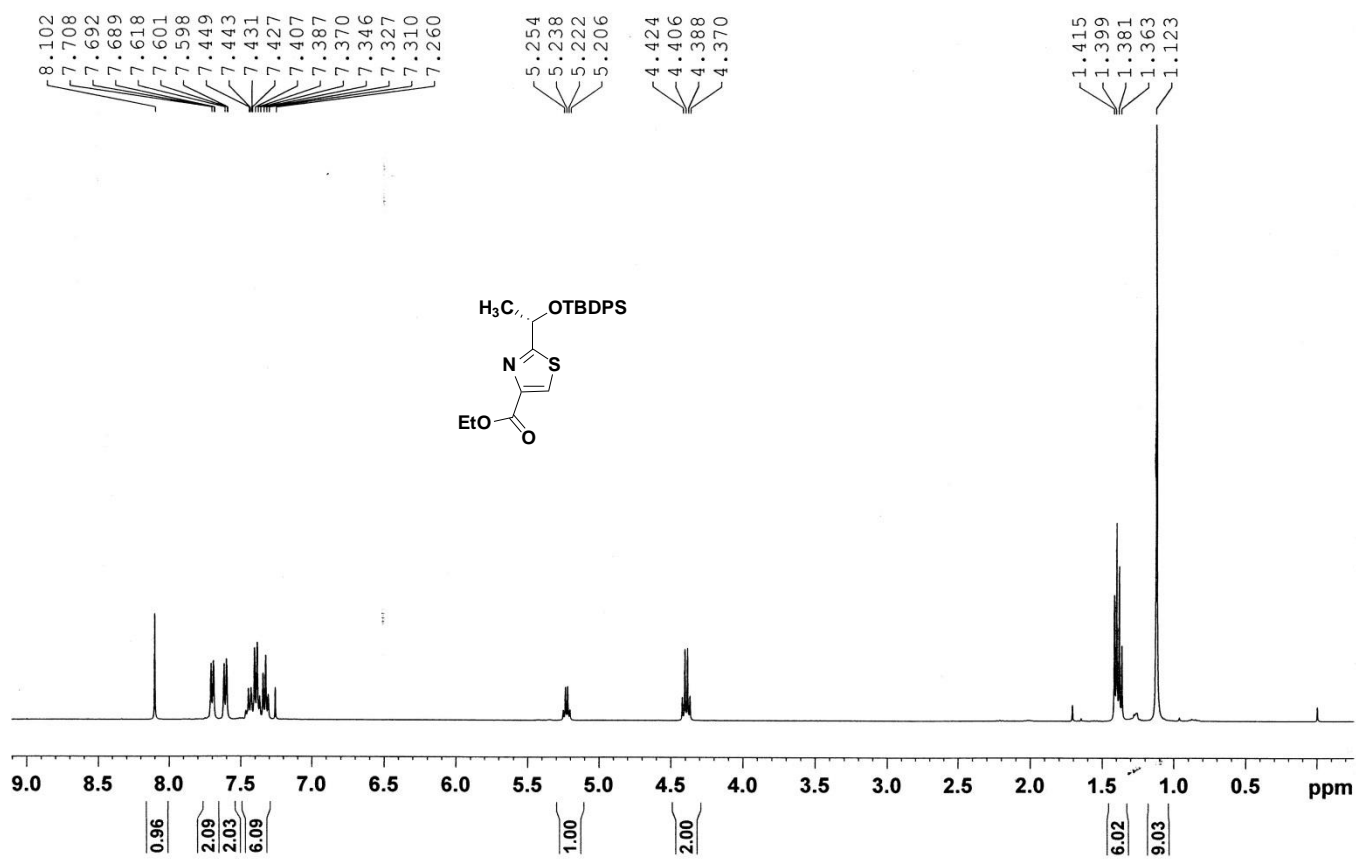
<sup>1</sup>H NMR (400MHz, CDCl<sub>3</sub>) spectrum of 13



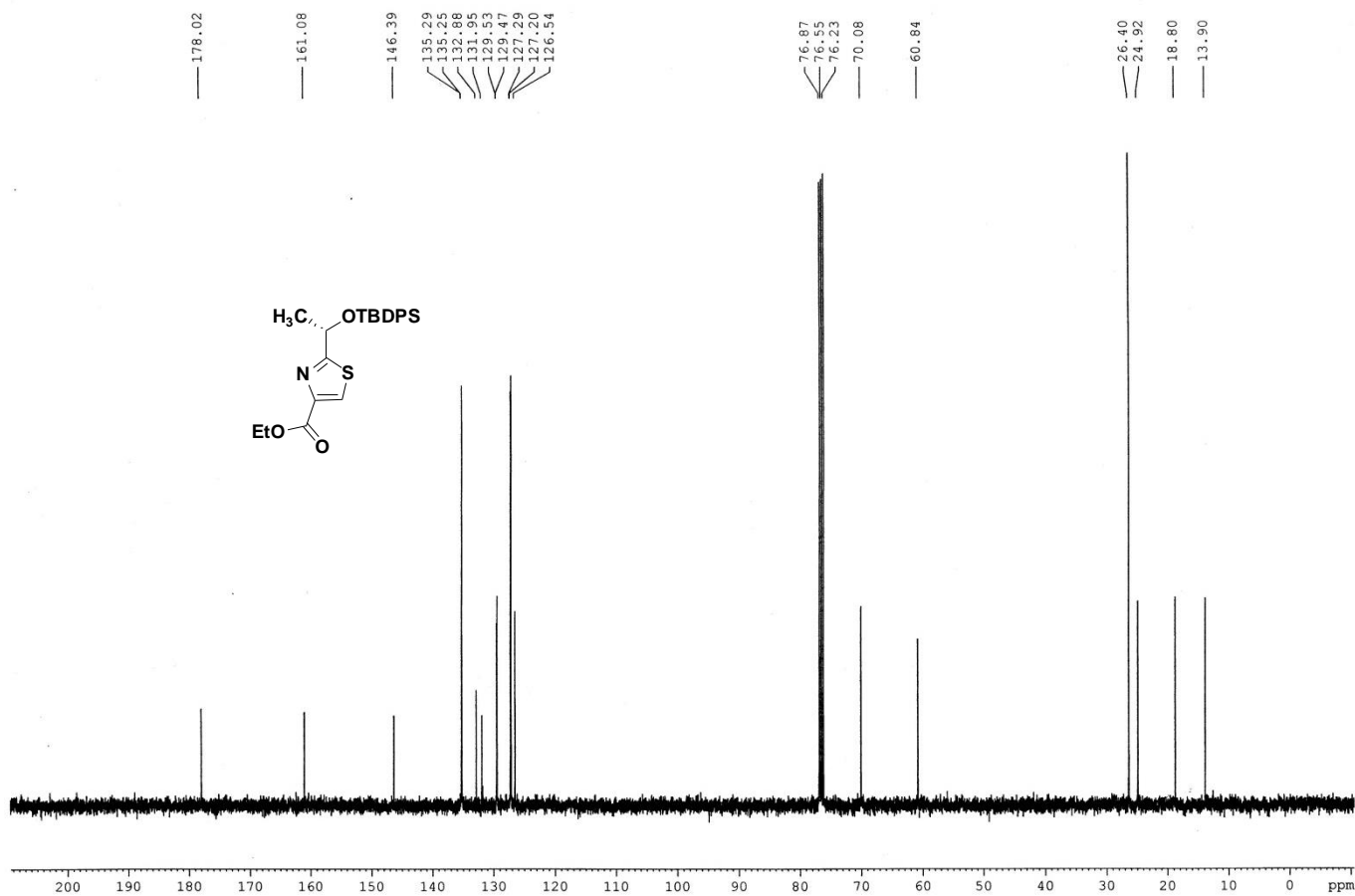
<sup>13</sup>C NMR (100MHz, CDCl<sub>3</sub>) spectrum of 13



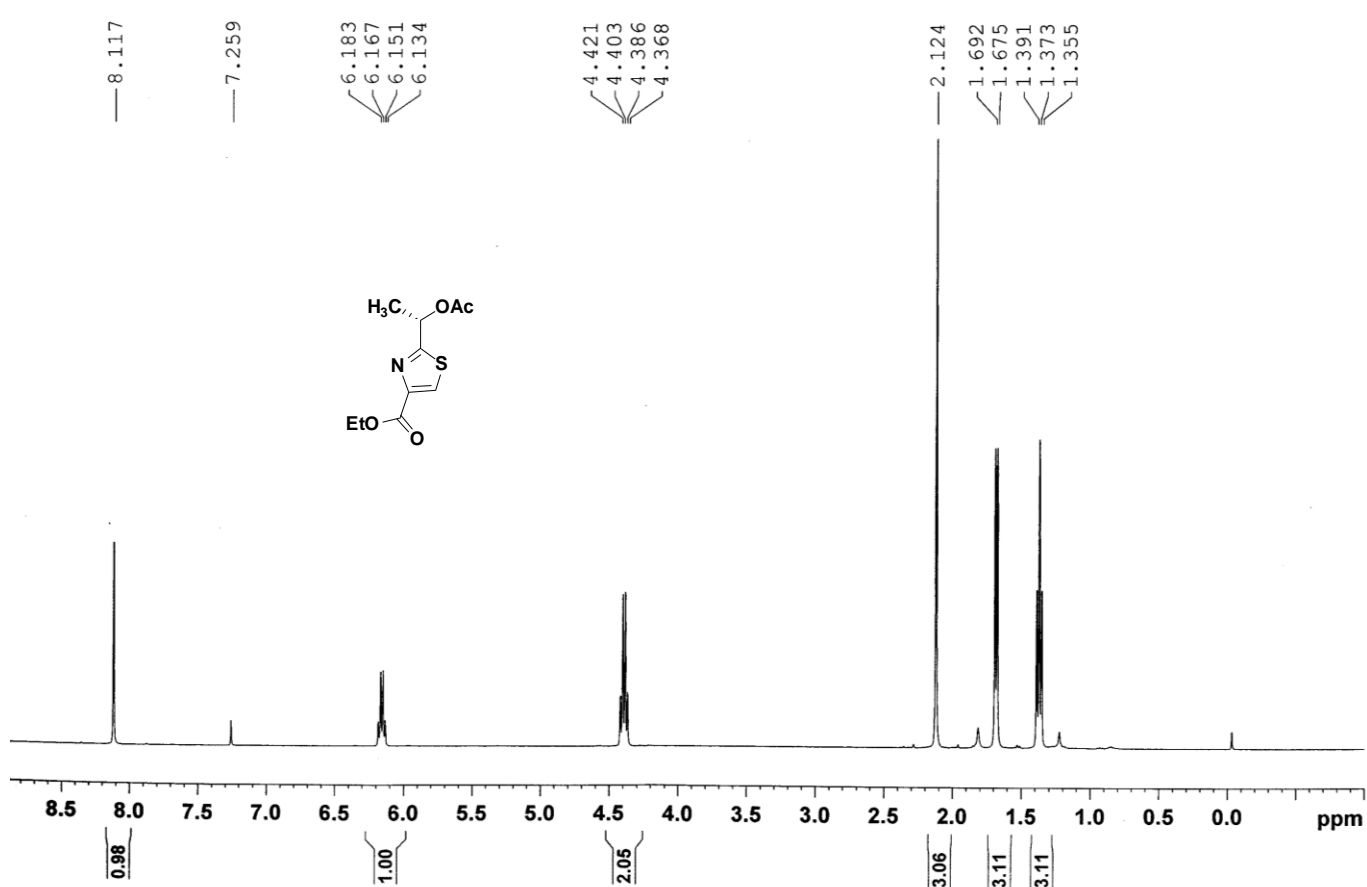
# <sup>1</sup>H NMR (400MHz, CDCl<sub>3</sub>) spectrum of 14



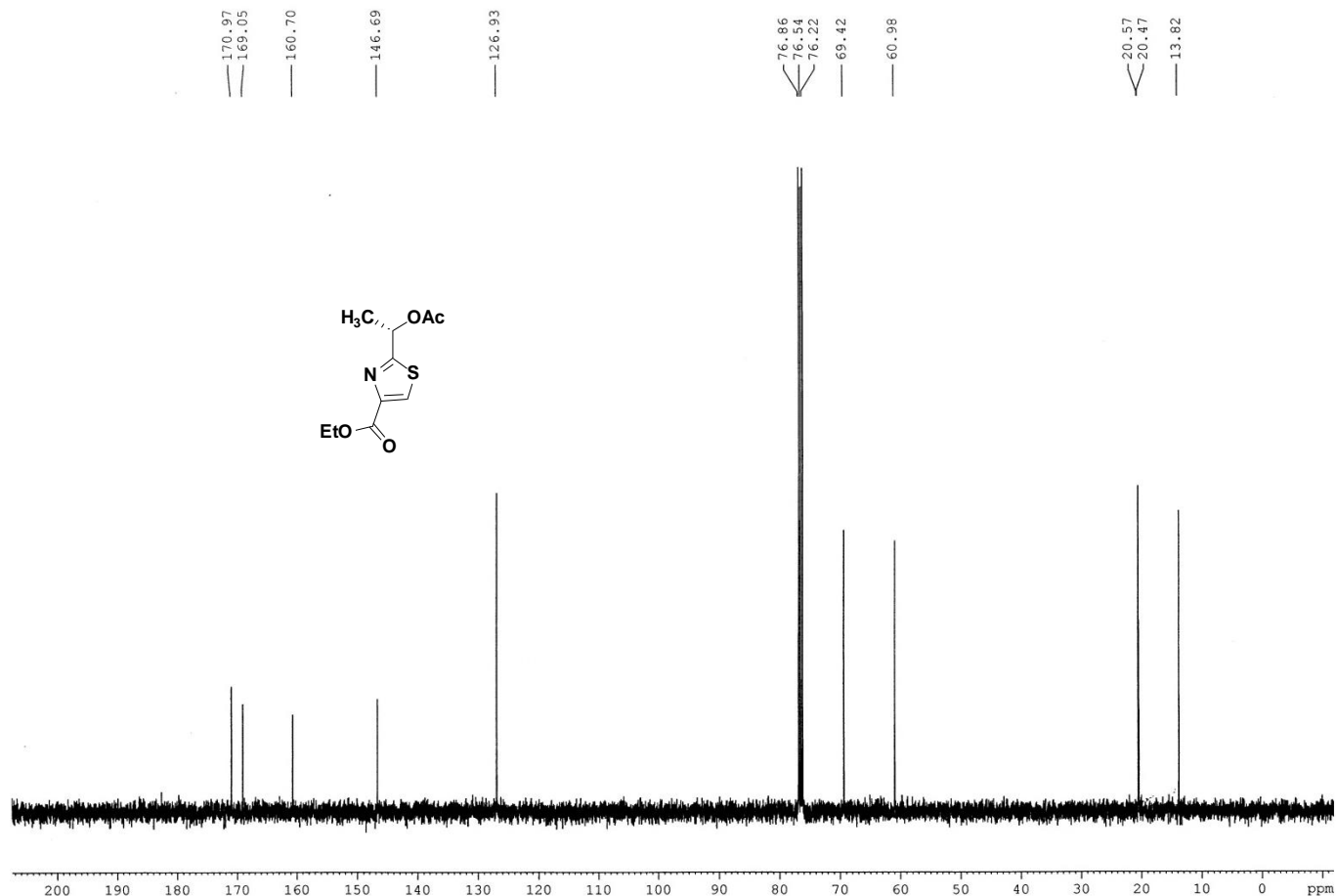
# <sup>13</sup>C NMR (100MHz, CDCl<sub>3</sub>) spectrum of 14



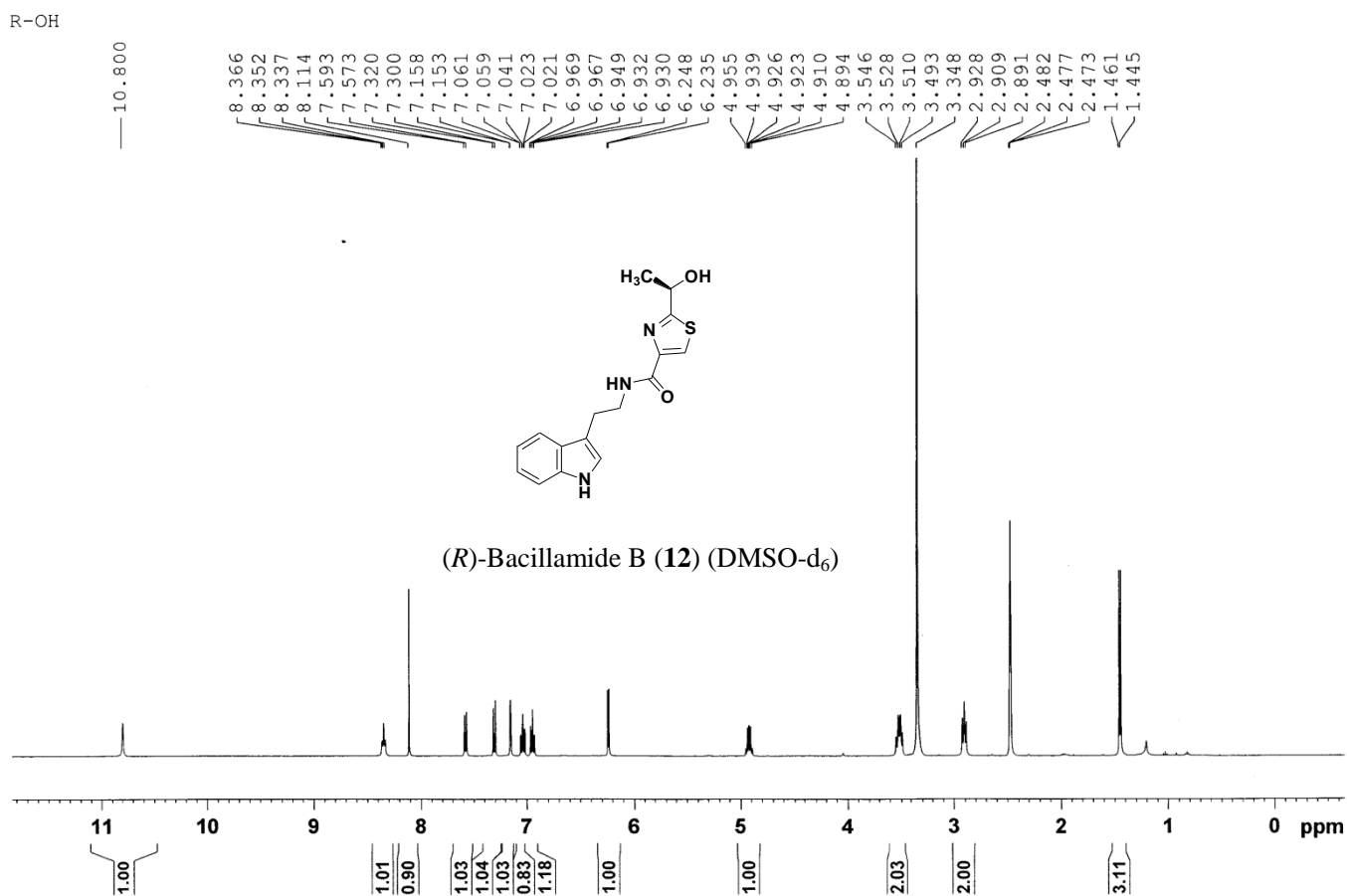
<sup>1</sup>H NMR (400MHz, CDCl<sub>3</sub>) spectrum of 15



<sup>13</sup>C NMR (100MHz, CDCl<sub>3</sub>) spectrum of 15



# $^1\text{H}$ NMR (400MHz, $\text{DMSO-d}_6$ ) spectrum of (*R*)-Bacillamide B (12)



# $^{13}\text{C}$ NMR (100MHz, $\text{CDCl}_3$ ) spectrum of (*R*)-Bacillamide B (12)

