**Supporting Information**

**Three new phenylspirodrimane derivatives with inhibitory effect towards potassium channel Kv1.3 from the fungus *Stachybotrys chartarum***

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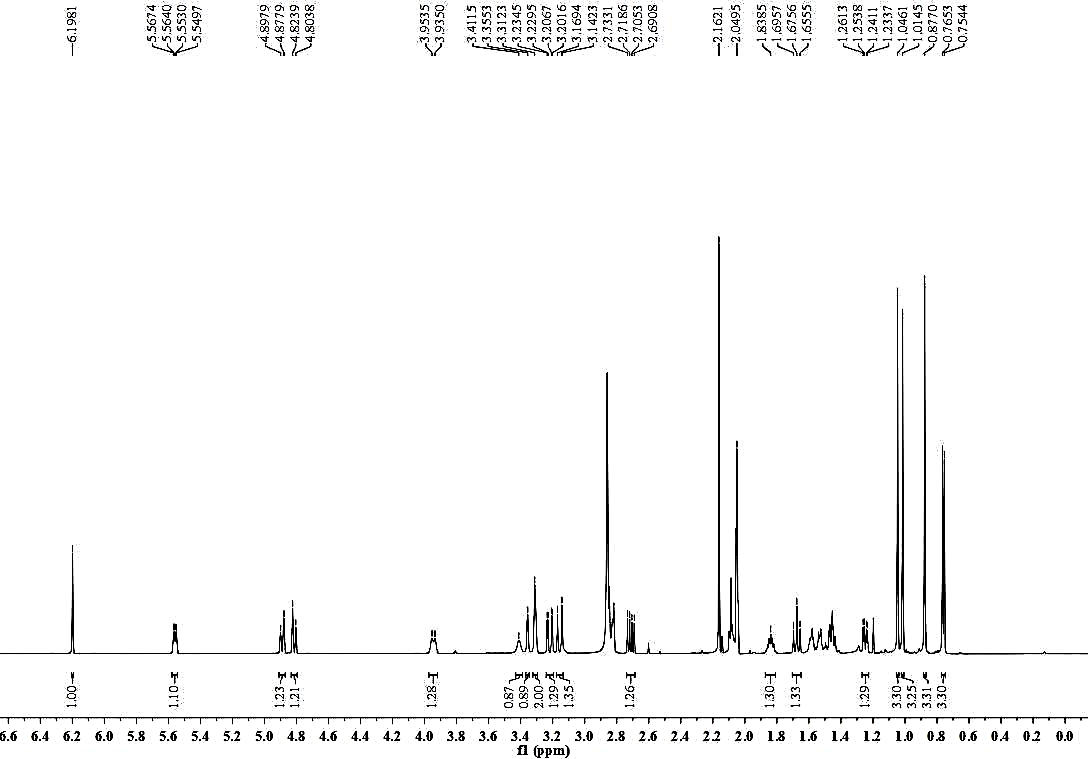
Figure S30. HR-ESI-MS spectra of compound 3 S22

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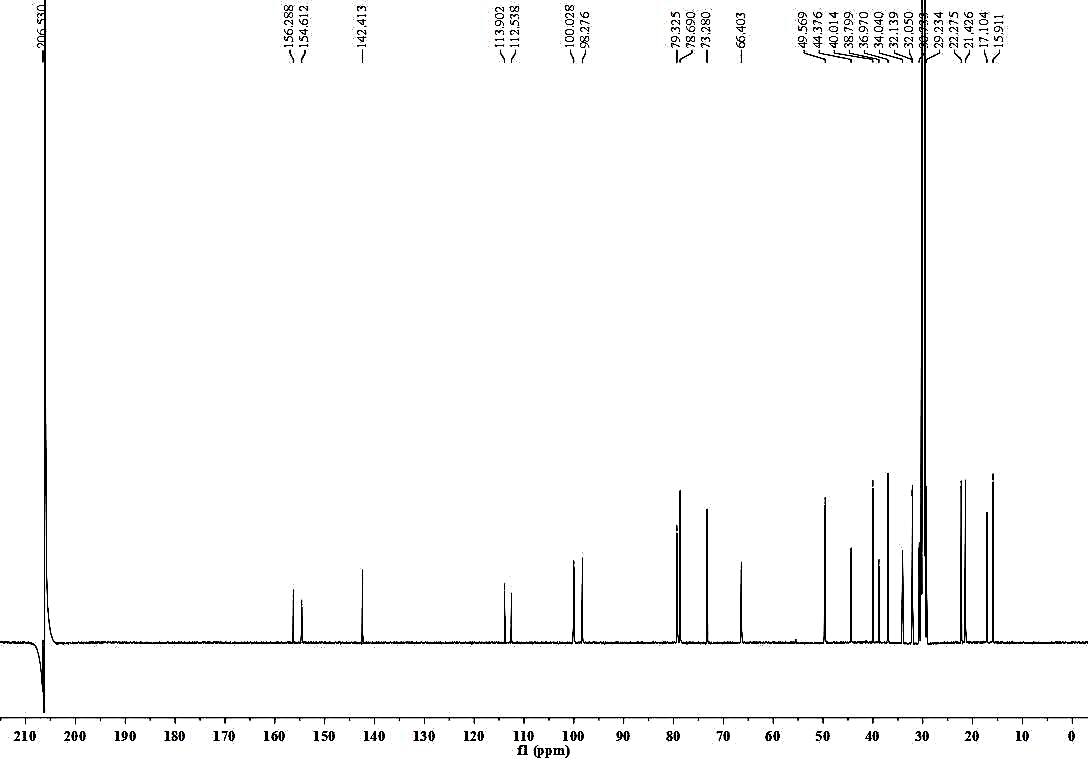
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Figure S34. ECD spectrum of compound 4 S26

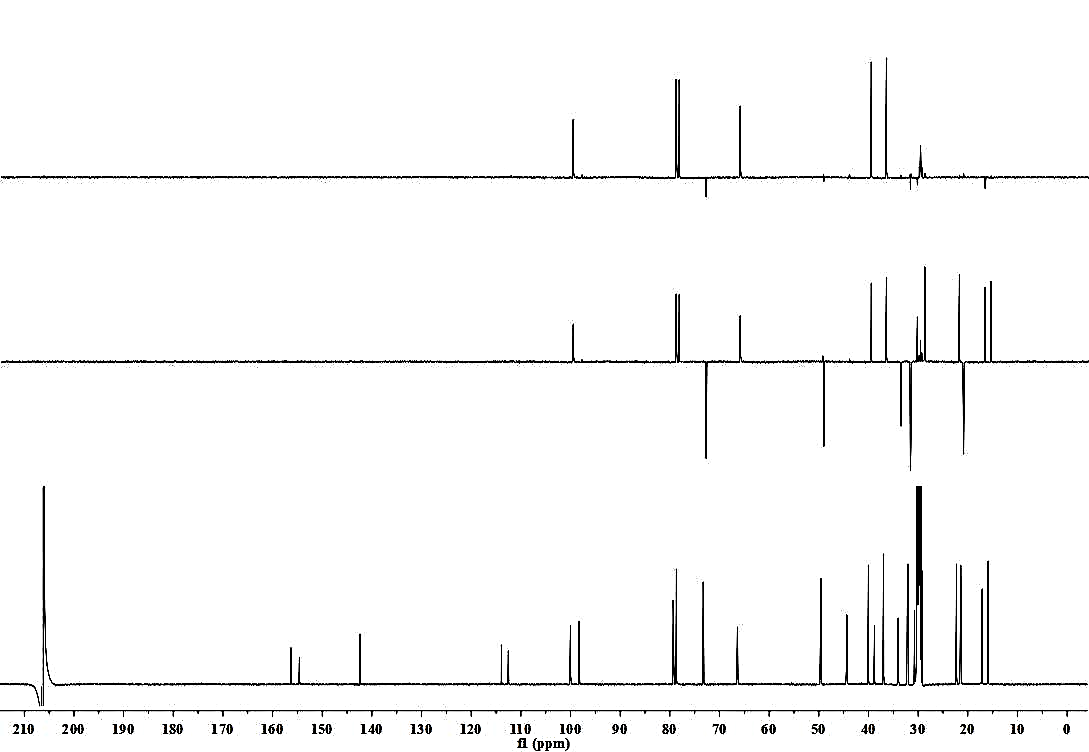
**Figure S1**. 1H NMR spectrum of compound **1** in acetone-*d*6at 600 MHz





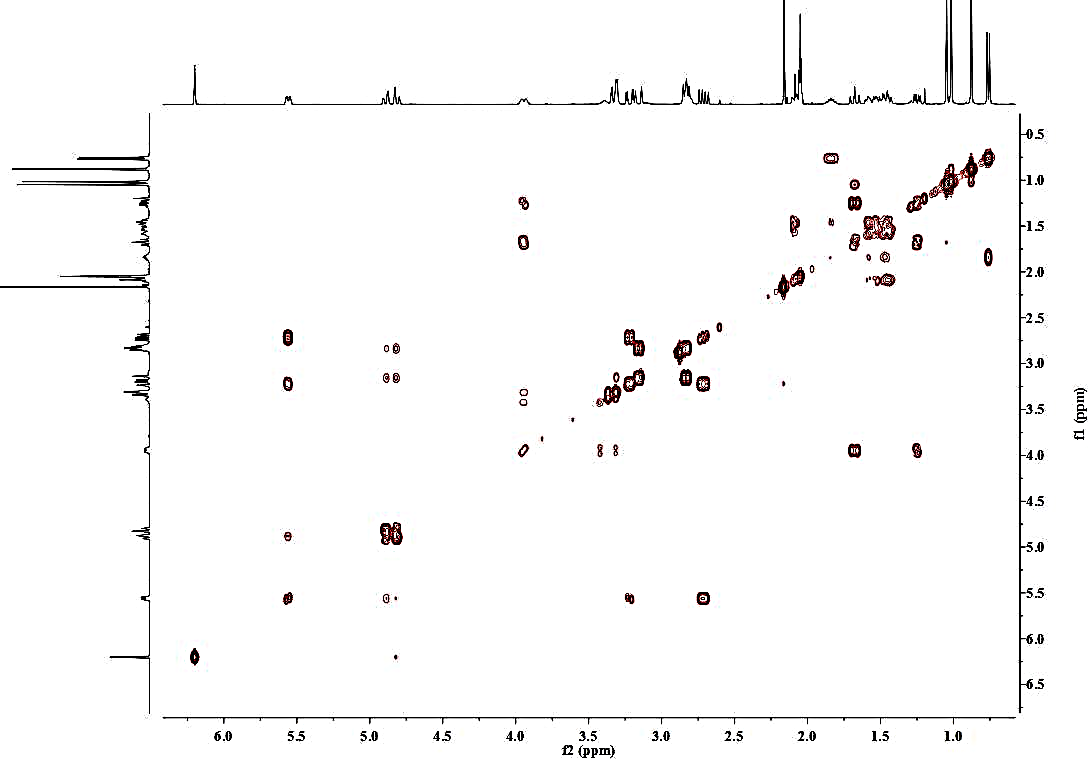


**Figure S2**. 13C NMR spectrum of compound **1** in acetone-*d*6 at 150 MHz



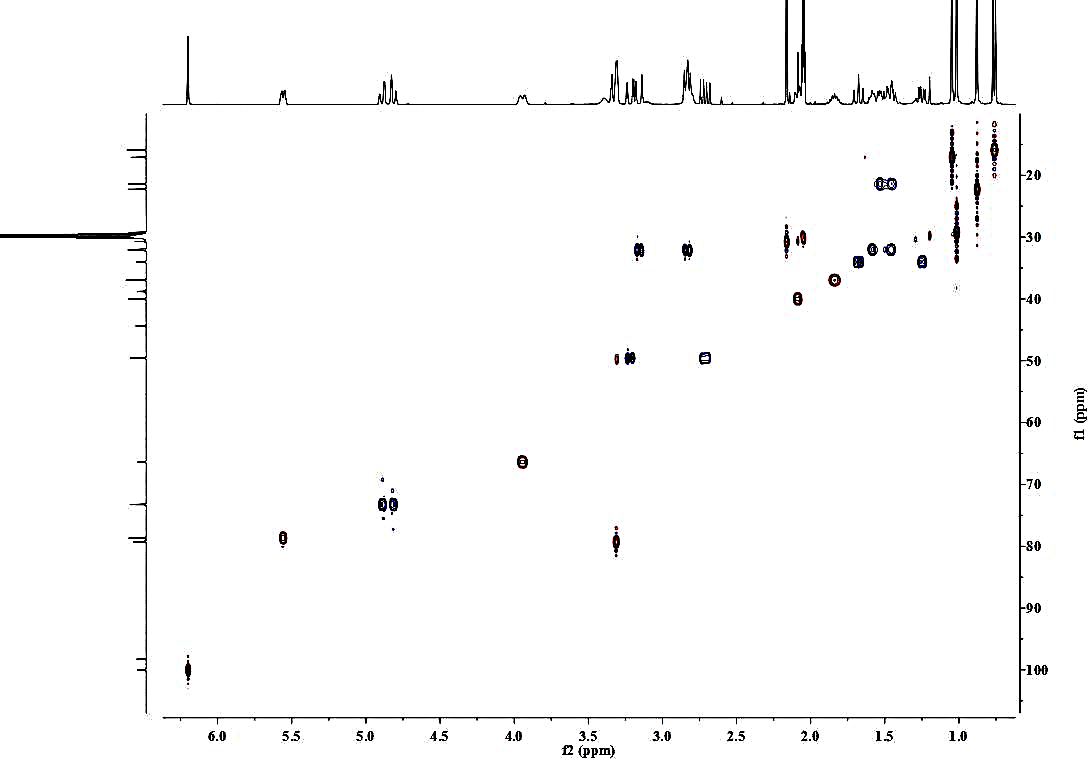


**Figure S3**. DEPT spectrum of compound **1** in acetone-*d*6at 150 MHz



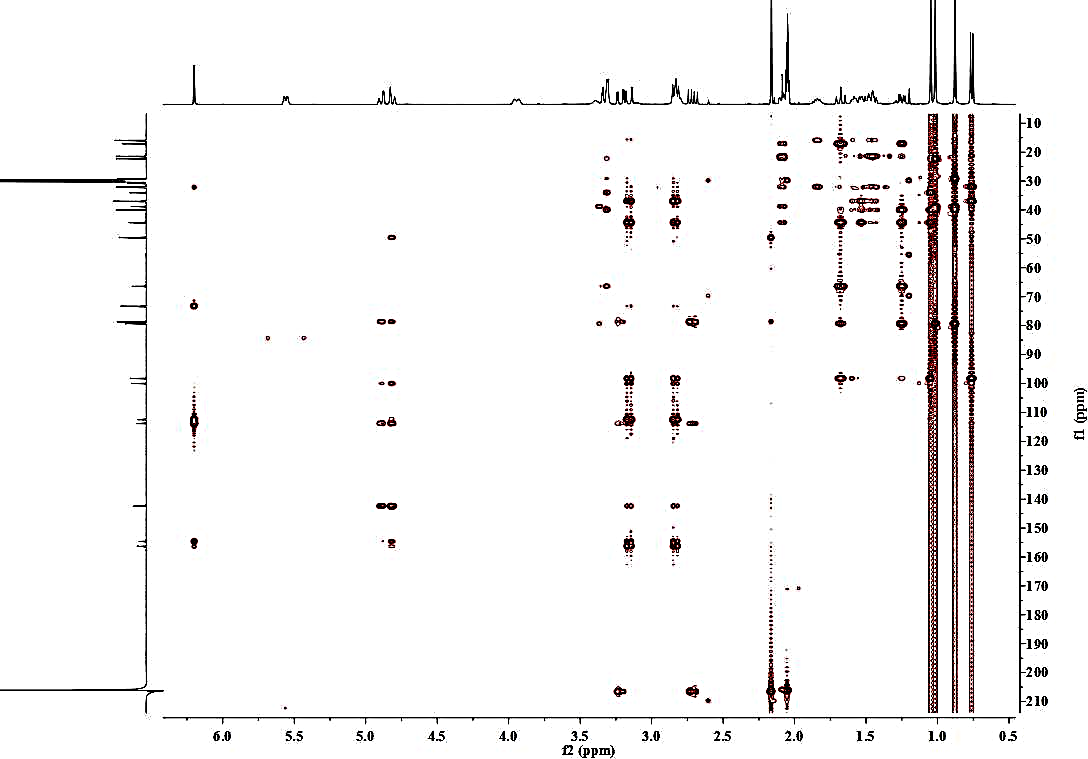


**Figure S4**. 1H-1H COSY spectrum of compound **1** in acetone-*d*6



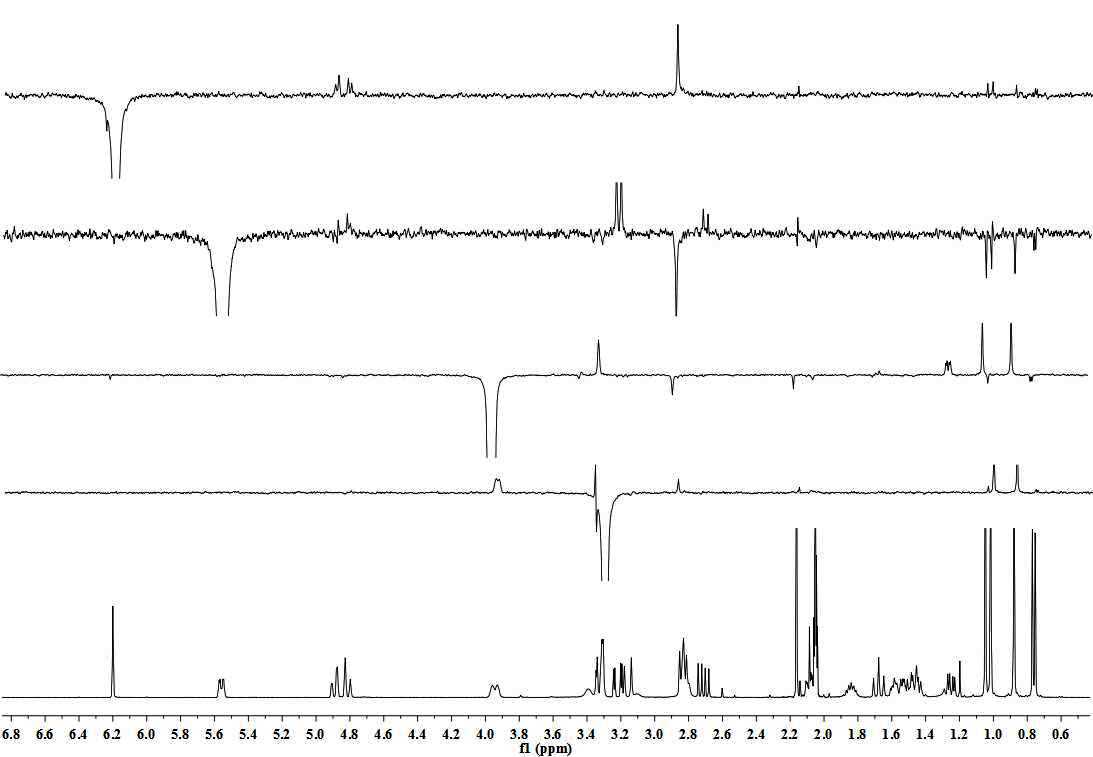


**Figure S5**. HSQC spectrum of compound **1** in acetone-*d*6





**Figure S6**. HMBC spectrum of compound **1** in acetone-*d*6





H2-1a

H3-15

H2-7’

H-3’

H-9’b

H-8’

H3-14

H-3

H-2

H3-14

H3-13

H-3

H3-14

H3-15

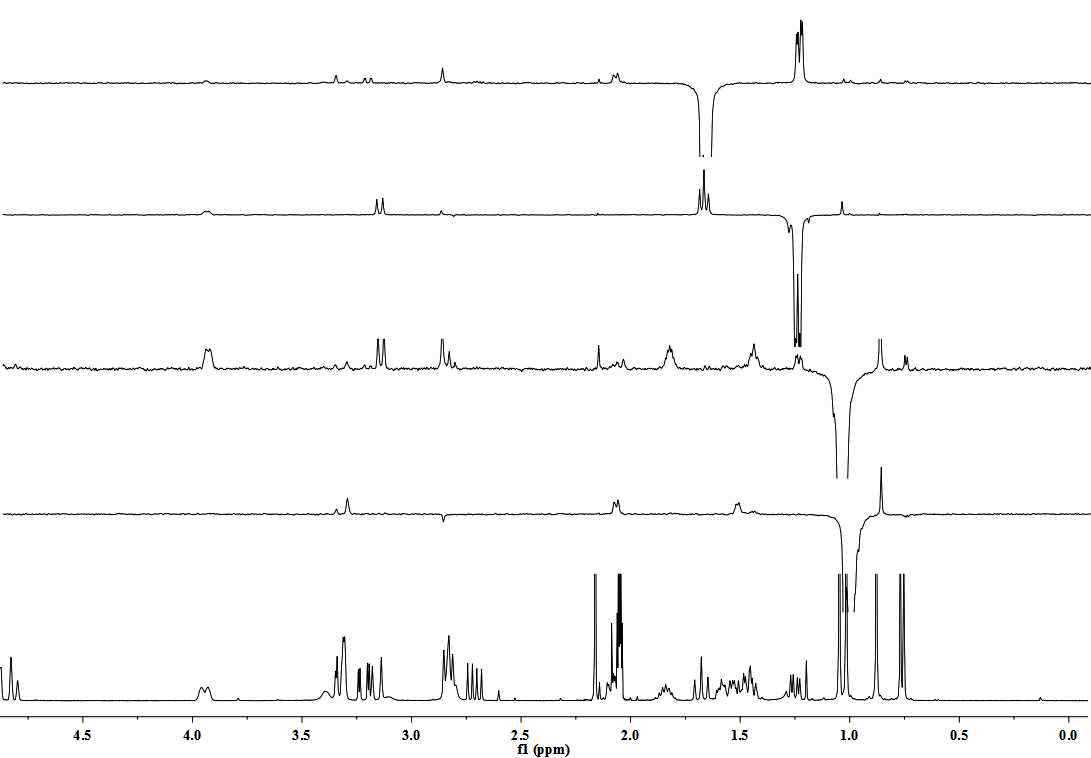
H3-12

H3-15

H3-15

H3-14

**Figure S7**. NOE difference spectrum of compound **1** in acetone-*d*6





H-5

H-3

H3-14

H3-13

H-8

H-11b

H-11b

H-2

H3-14

H3-15

H3-15

H2-1b

H2-1a

H-5

H2-1a

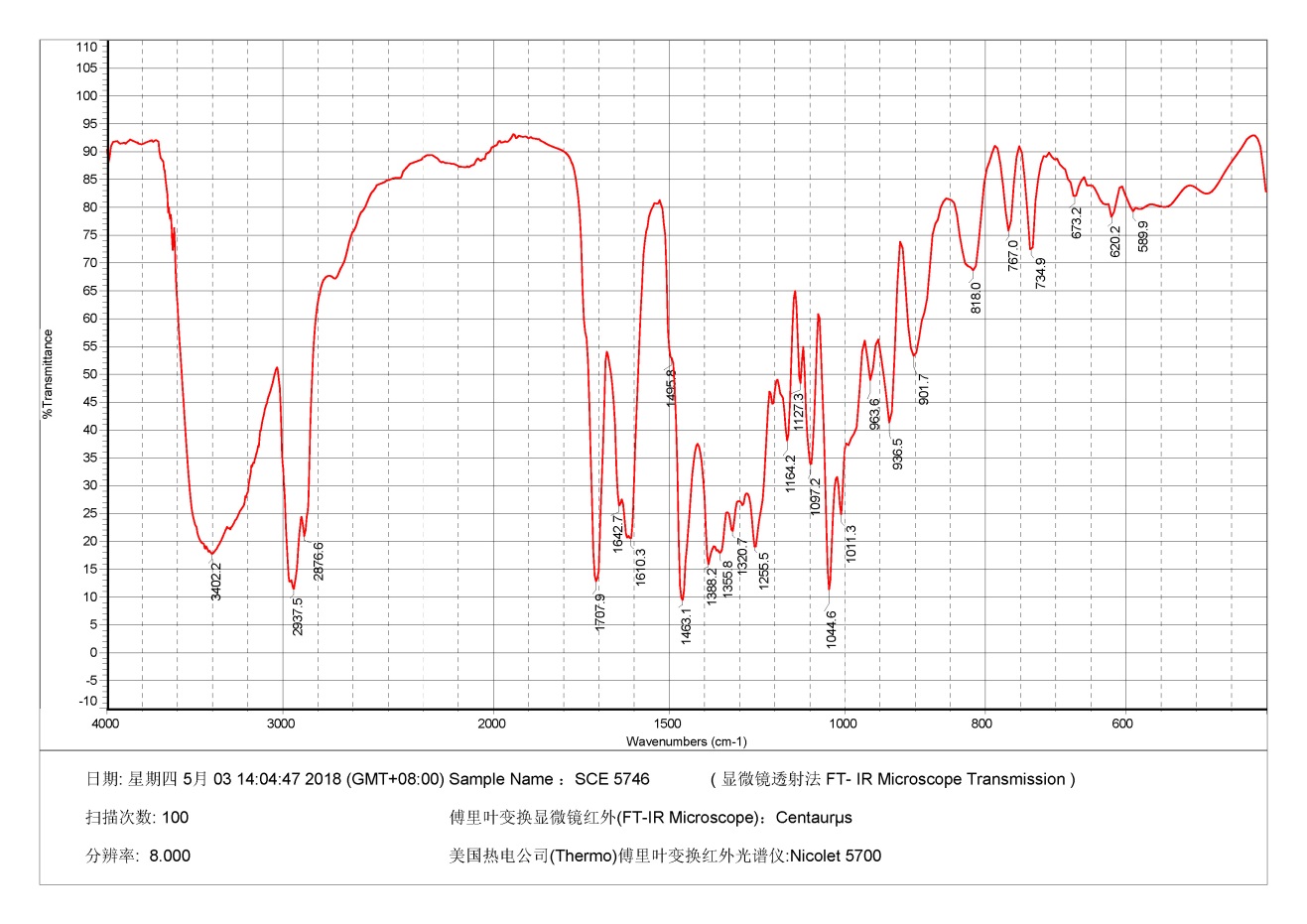
H2-1b

**Figure S7**. NOE difference spectrum of compound **1** in acetone-*d*6



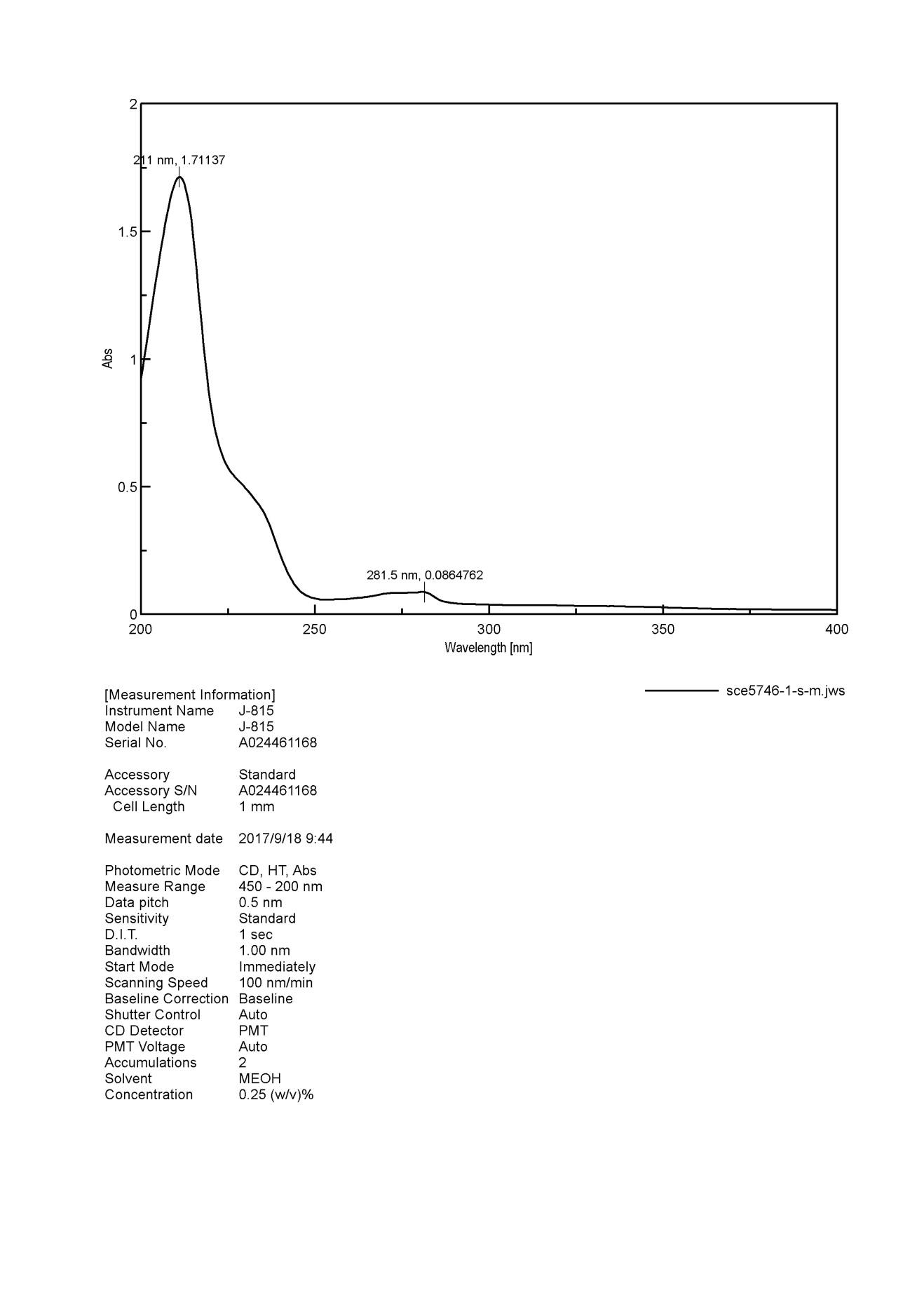


**Figure S8**. HR-ESI-MS spectrum of compound **1**



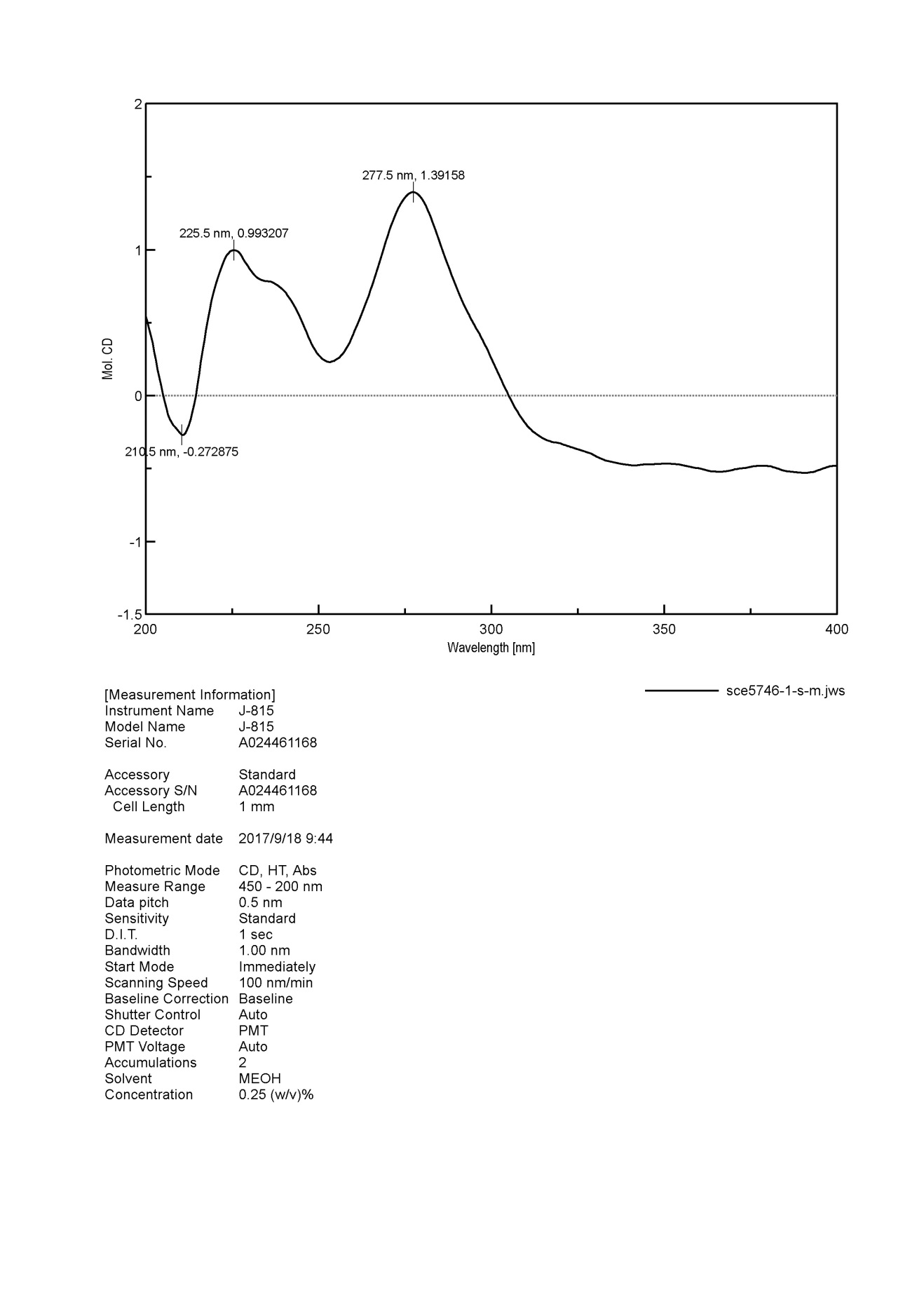


**Figure S9**. IR spectrum of compound **1**



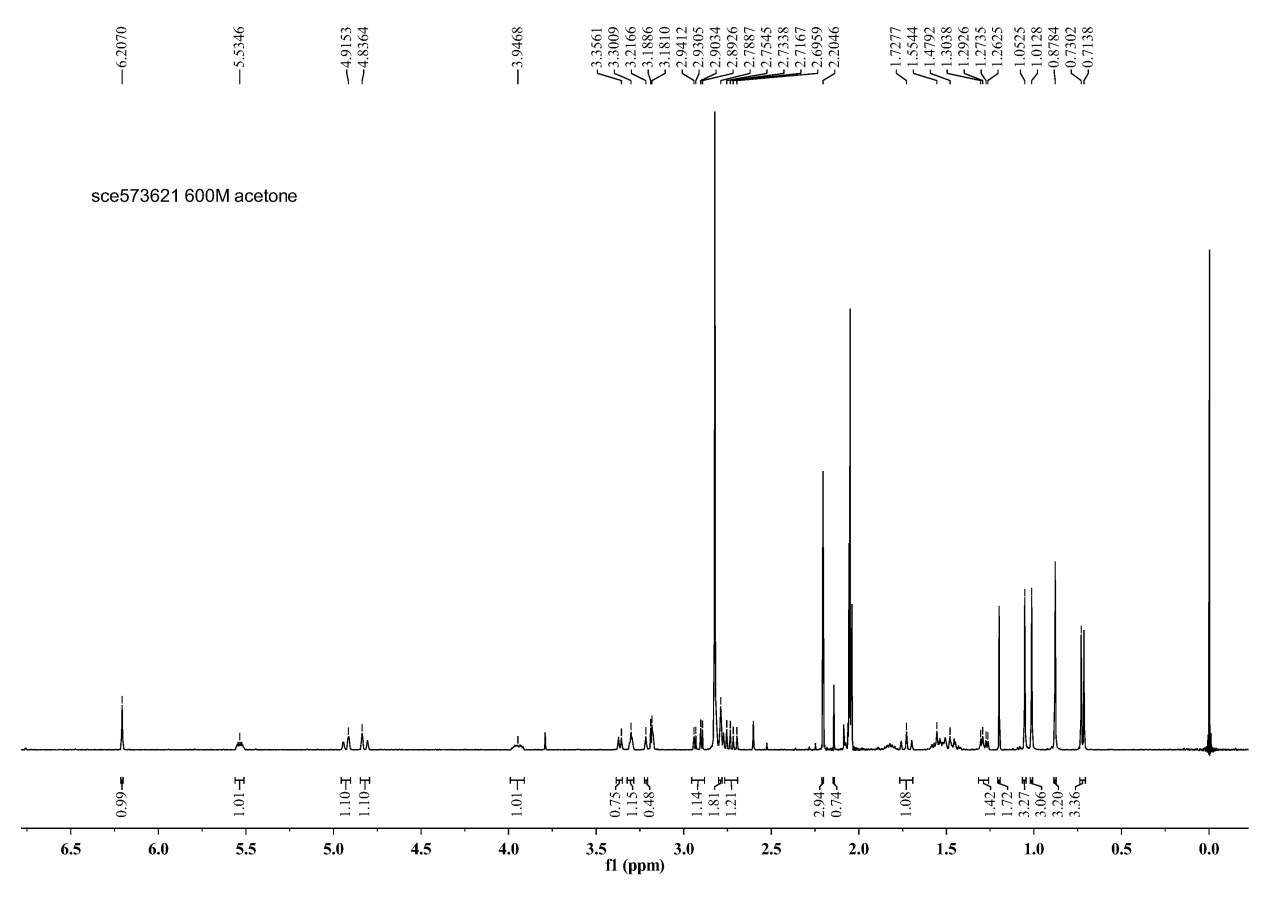


**Figure S10**. UV spectrum of compound **1**



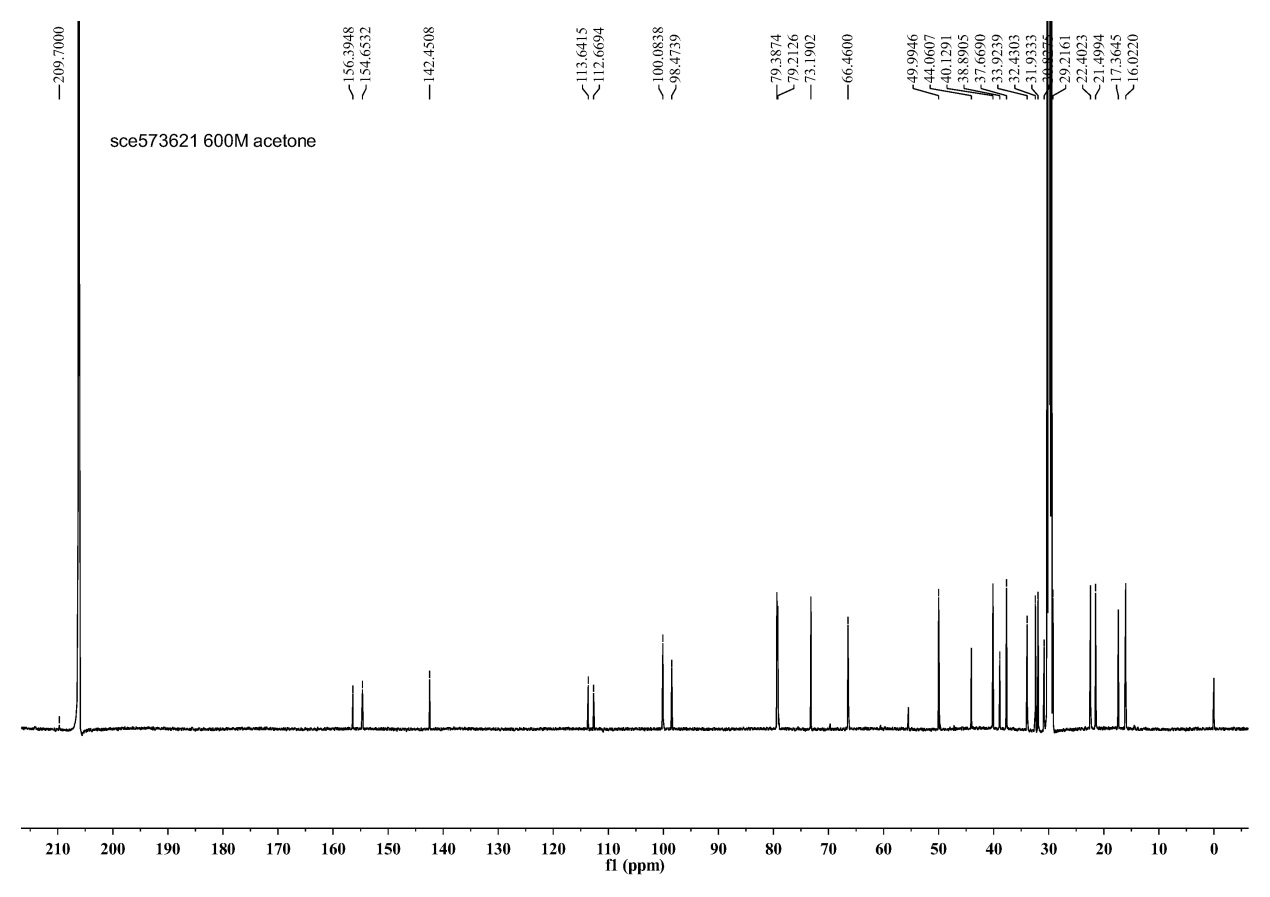


**Figure S11**. ECD spectrum of compound **1**



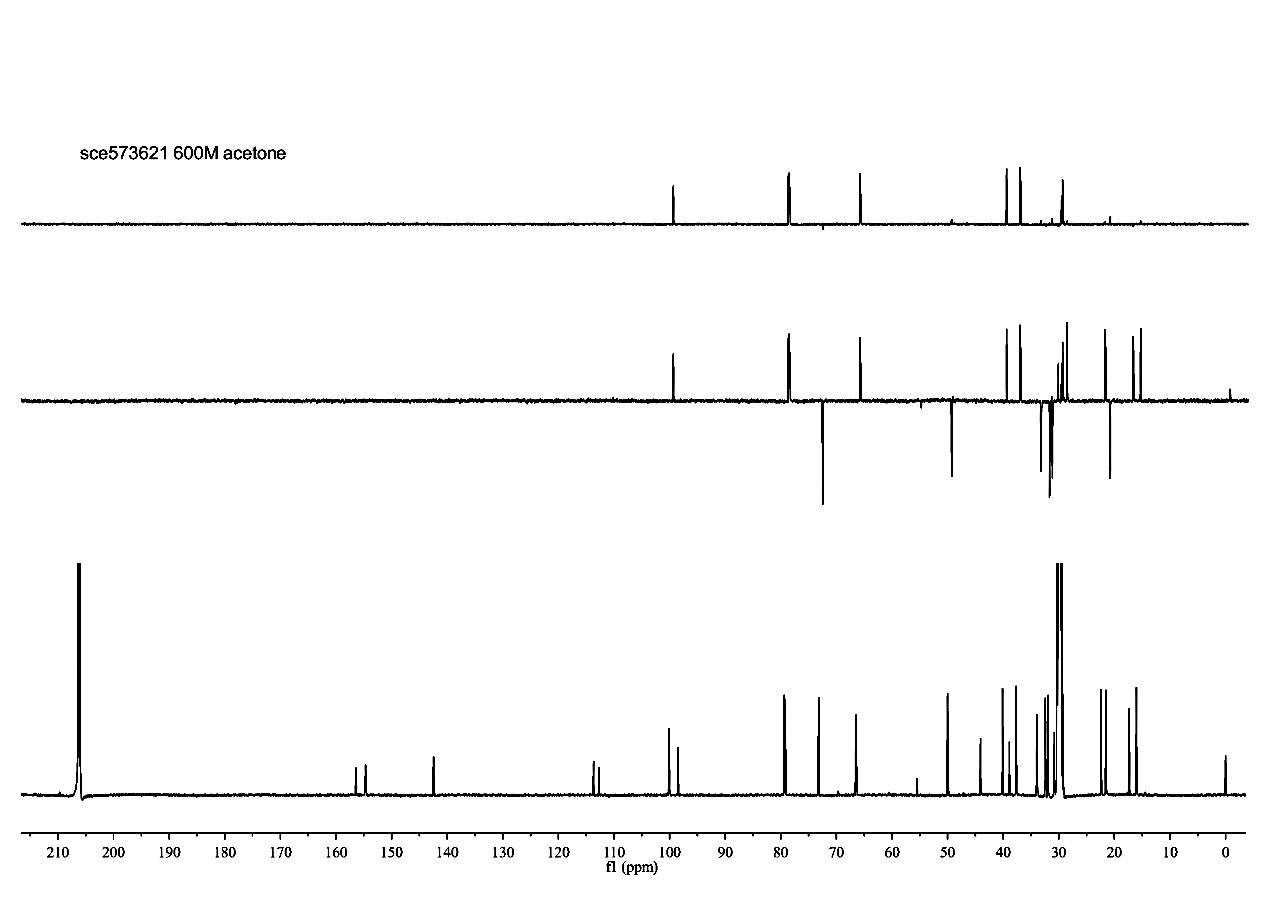


**Figure S12.** 1H NMR spectrum of compound **2** in acetone-*d*6 at 600 MHz



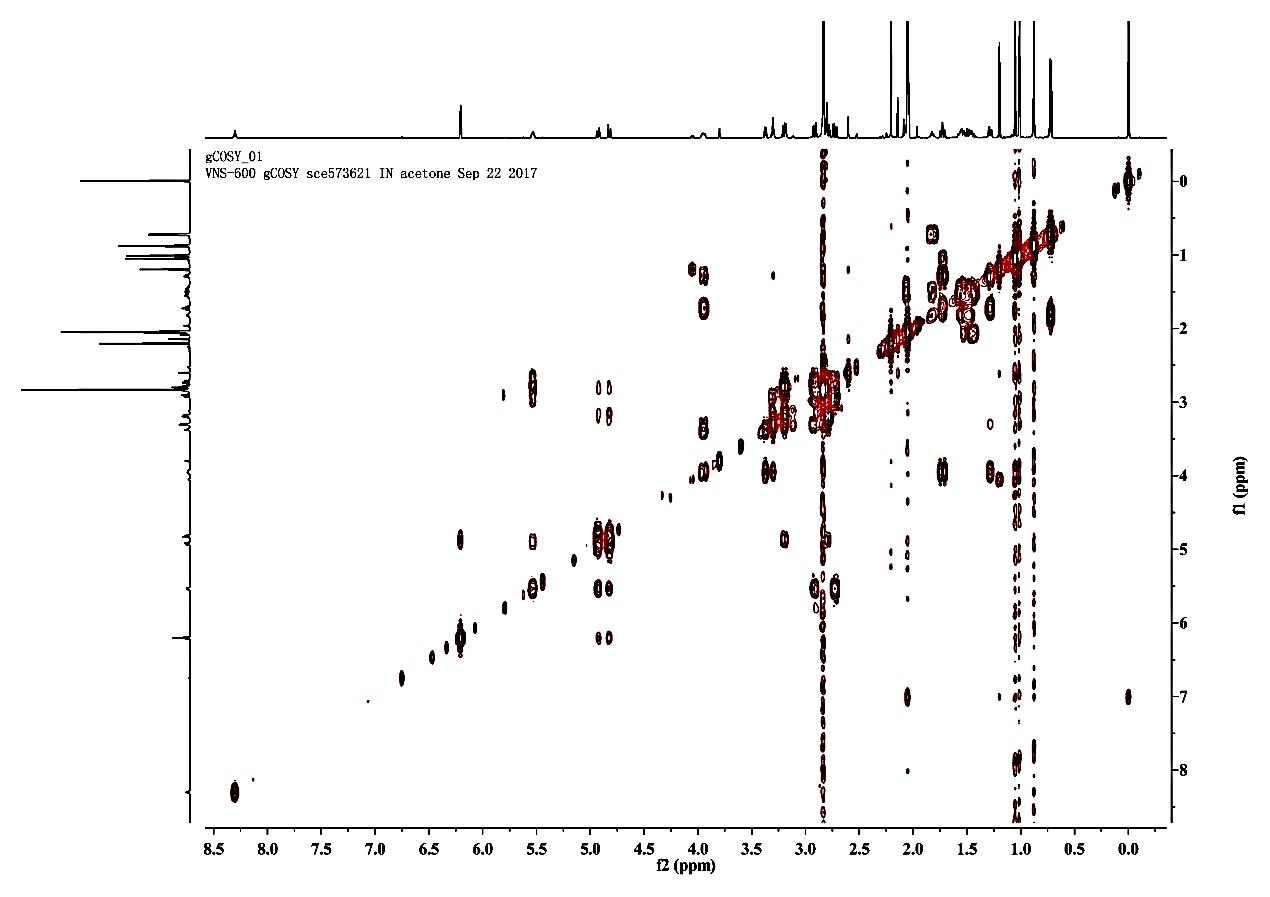


**Figure S13**. 13C NMR spectrum of compound **2** in acetone-*d*6 at 125 MHz



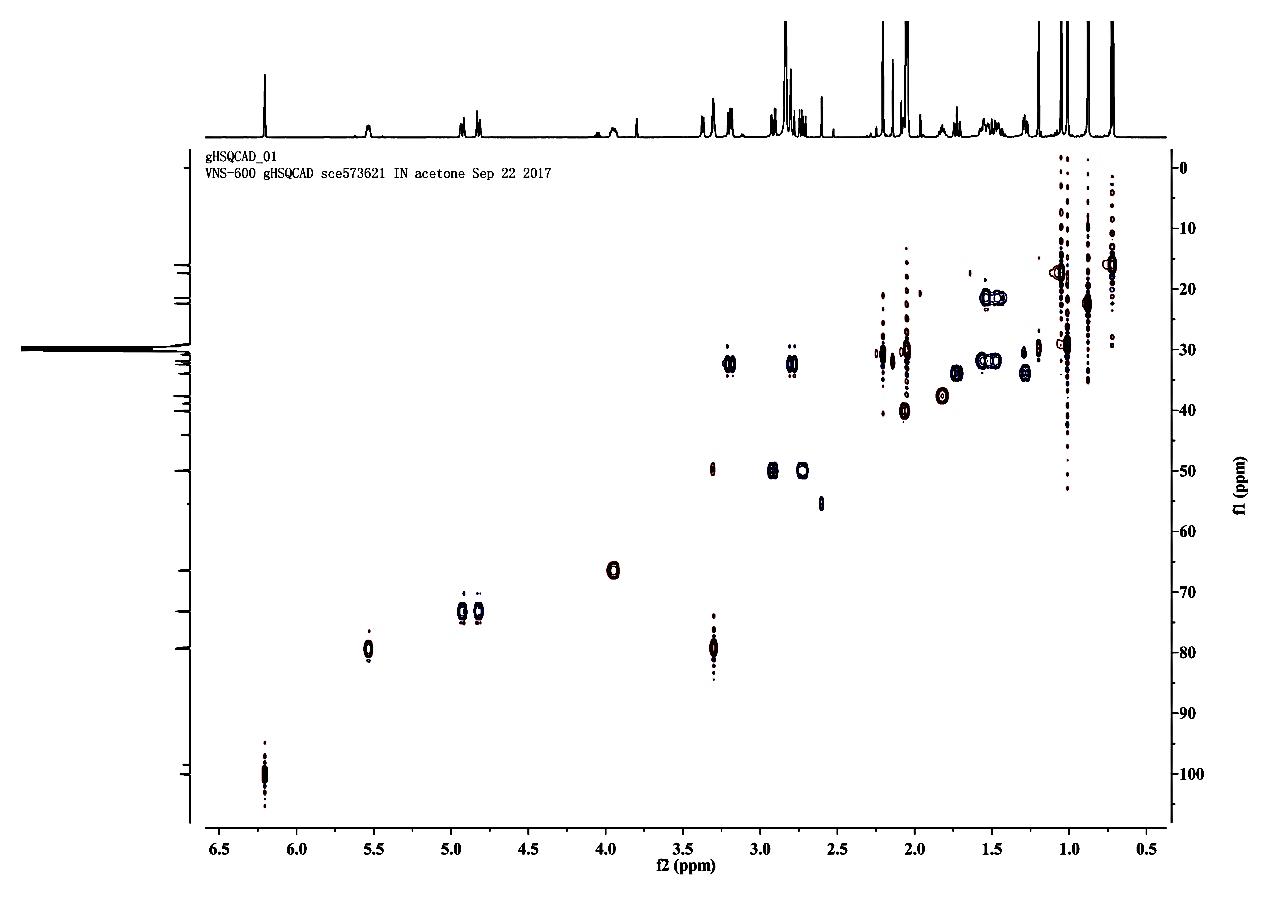


**Figure S14**. DEPT spectrum of compound **2** in acetone-*d*6at 125 MHz



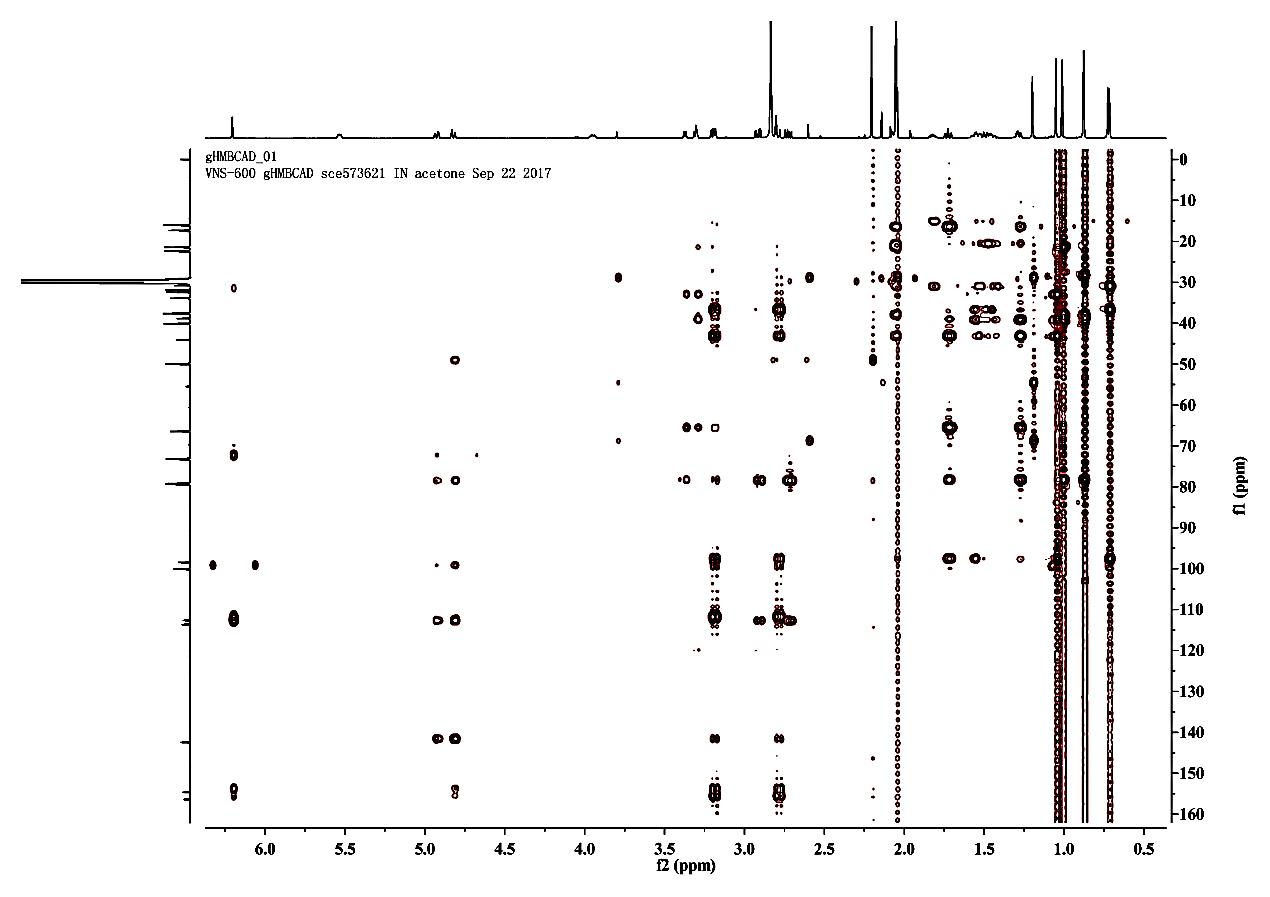


**Figure S15**. 1H−1H COSY spectrum of compound **2** in acetone-*d*6



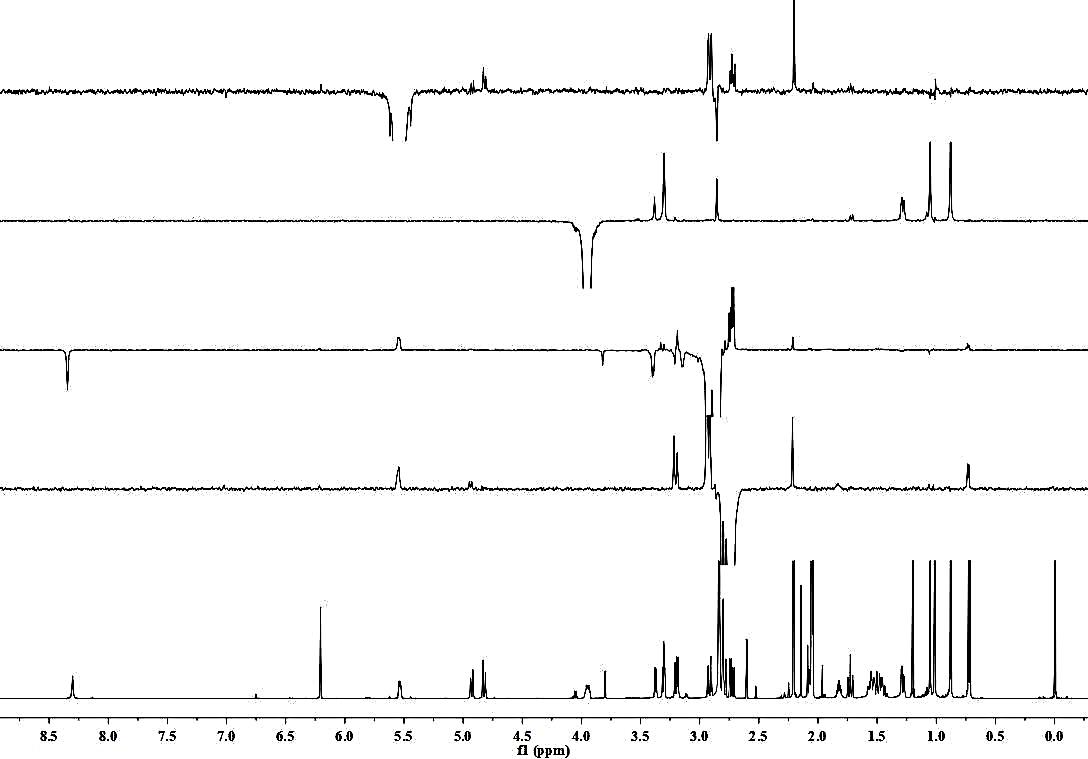


**Figure S16**. HSQC spectrum of compound **2** in acetone-*d*6





**Figure S17**. HMBC spectrum of compound **2** in acetone-*d*6





H2-1a

H3-12

H-8’

H2-9’b

H2-9’a

H-8’

H2-9’a

H2-9’b

H3-14

H3-15

H-3

H-2

H3-11’

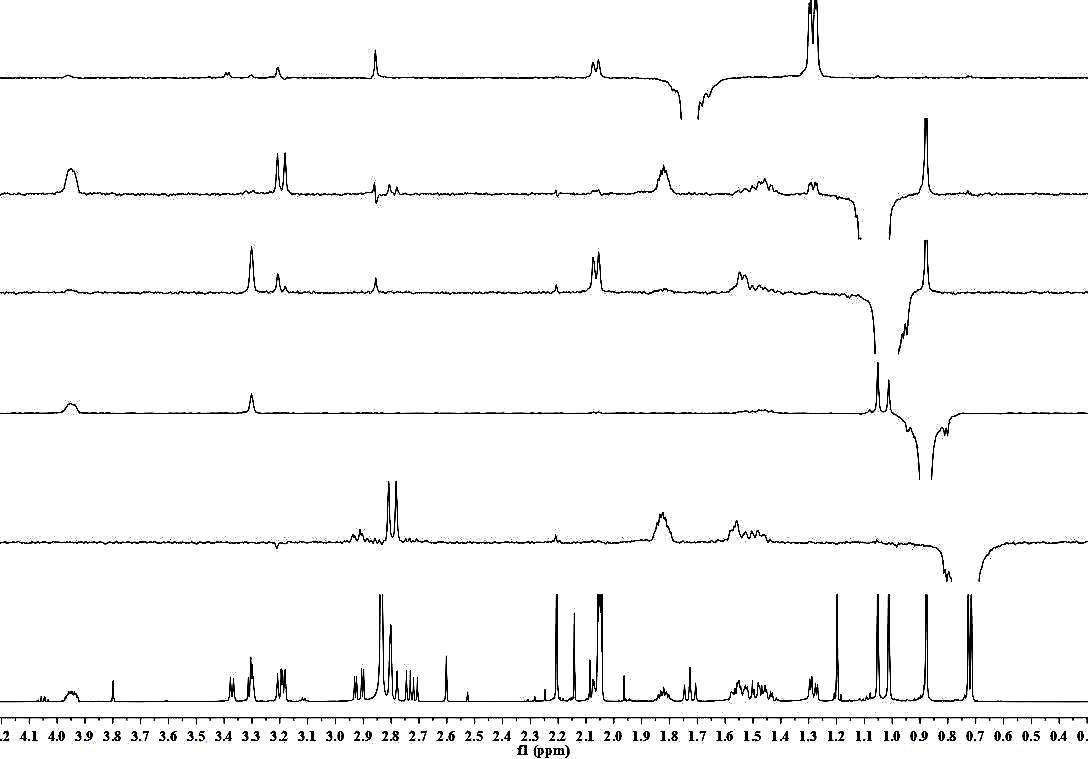
H2-9’

H2-7’

H-8’

**Figure S18**. NOE difference spectrum of compound **2** in acetone-*d*6

H2-1a





H-8

H2-11a

H2-11b

H3-12

H3-14

H-2

H-2

H-3

H3-15

H3-14

H3-13

H-5

H3-14

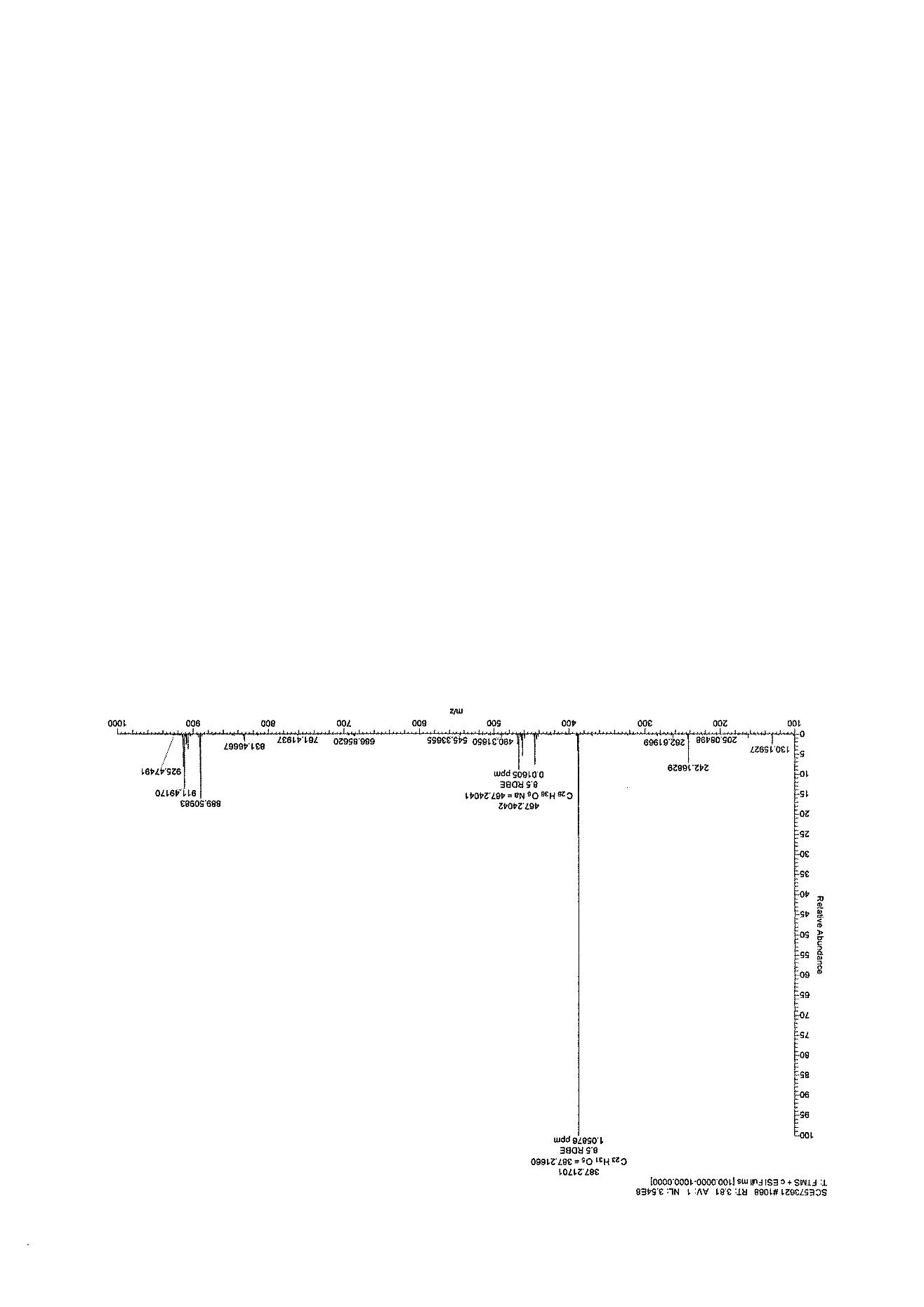
H3-15

H-8

H2-1b

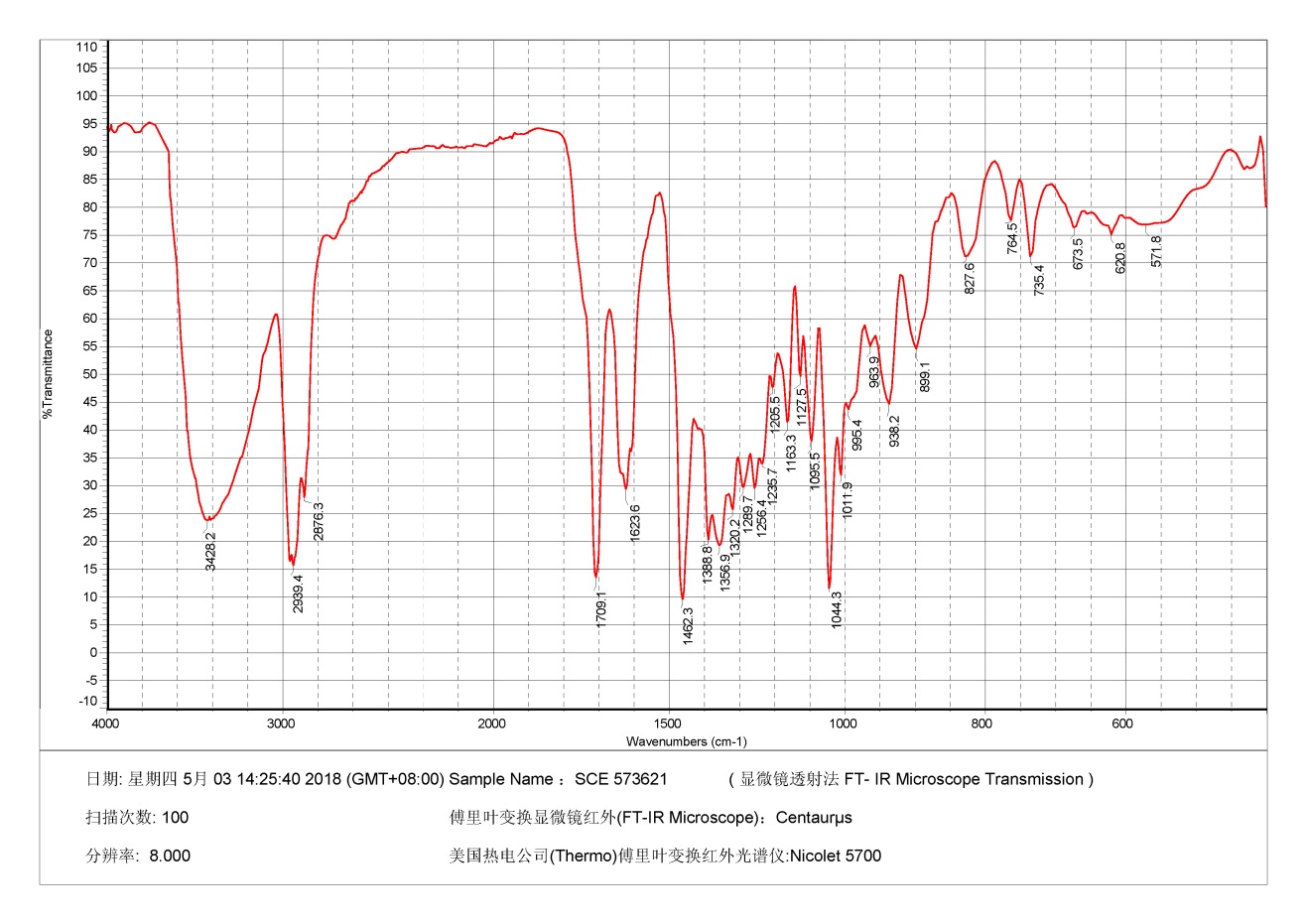
H-5

**Figure S18**. NOE difference spectrum of compound **2** in acetone-*d*6

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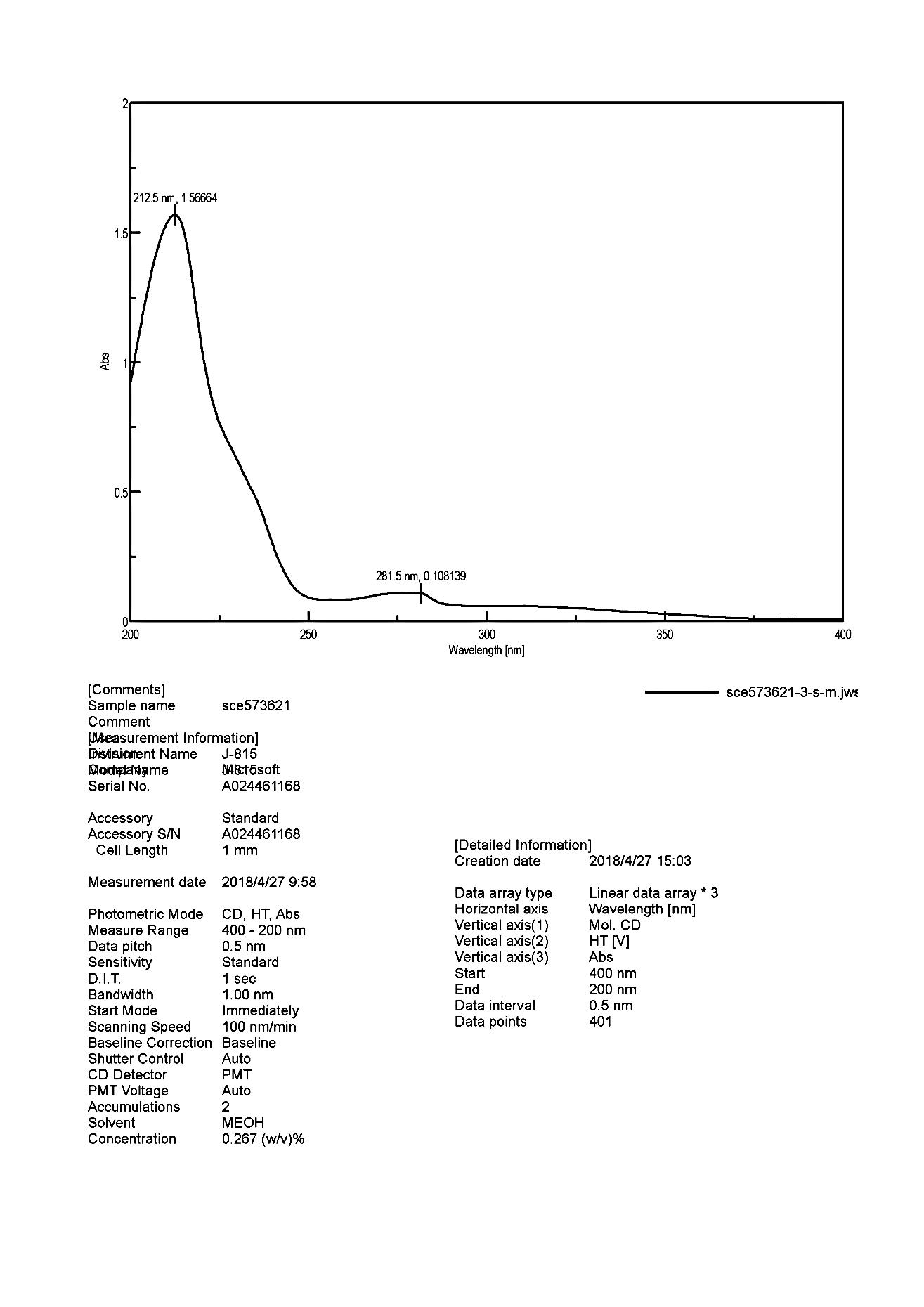


**Figure S19**. HR-ESI-MS spectrum of compound **2**

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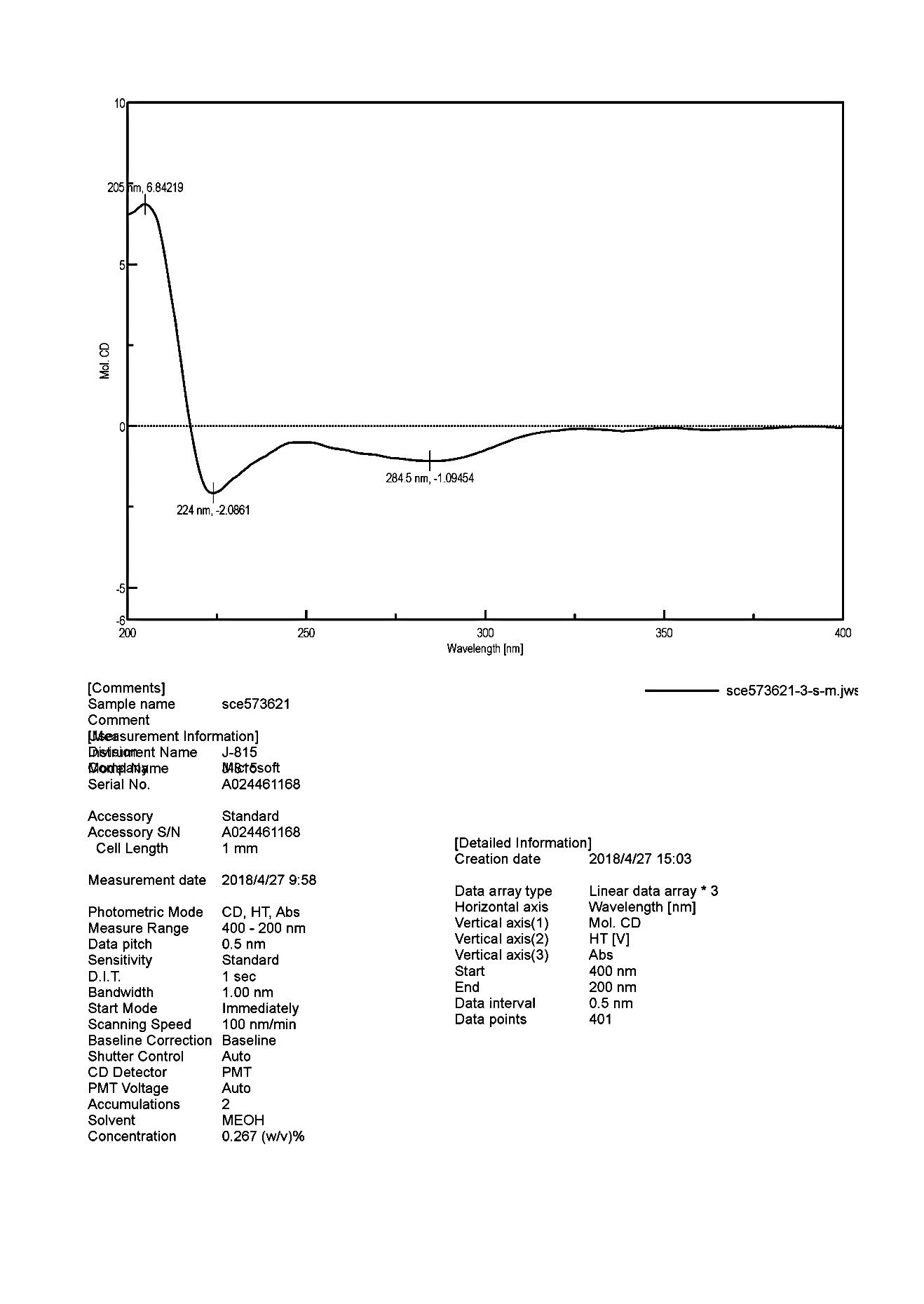


**Figure S20**. IR spectrum of compound **2**

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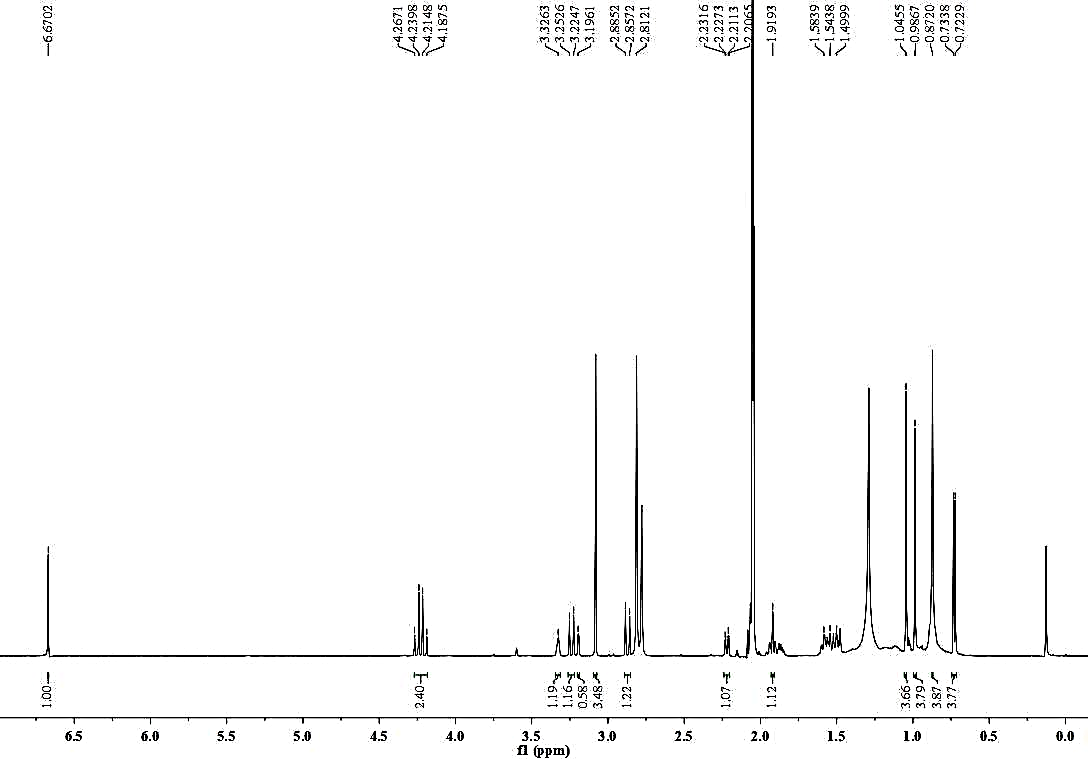


**Figure S21**. UV spectrum of compound **2**

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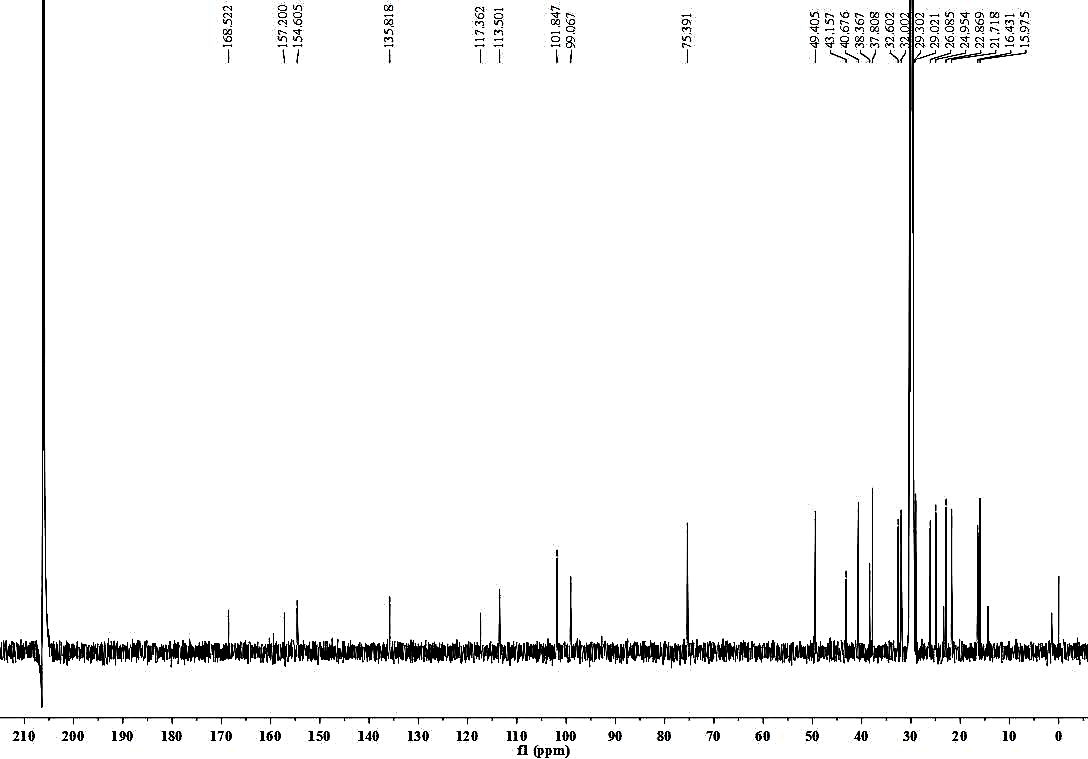


**Figure S22**. ECD spectrum of compound **2**



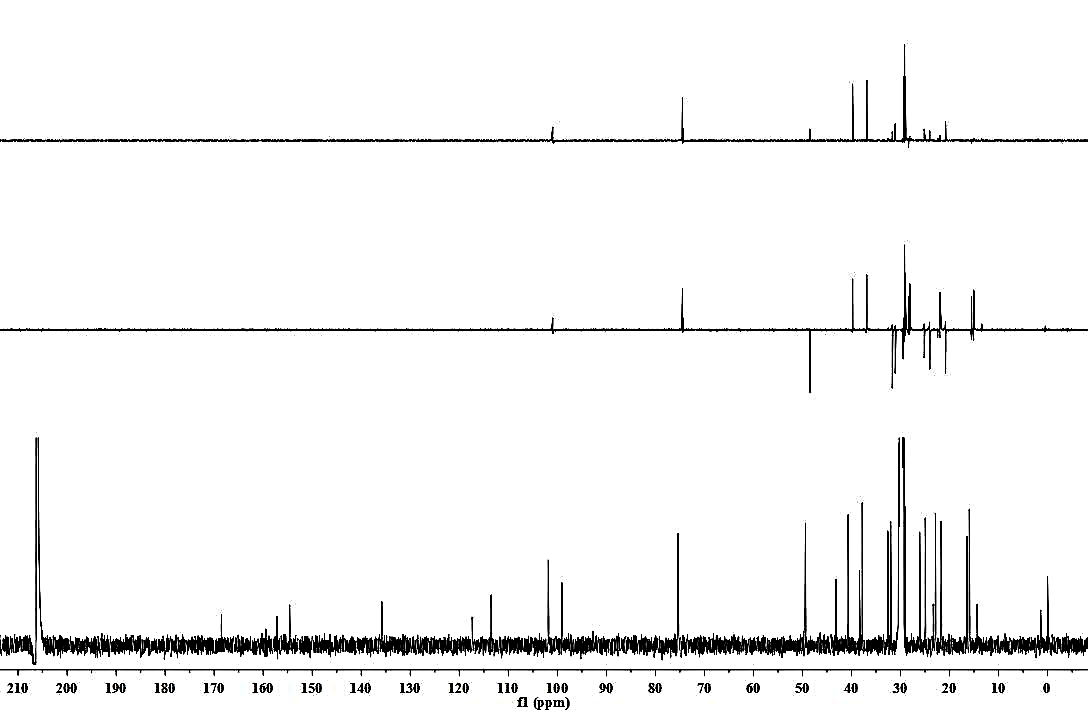


**Figure S23**. 1H NMR spectrum of compound **3** in acetone-*d*6at 600 MHz



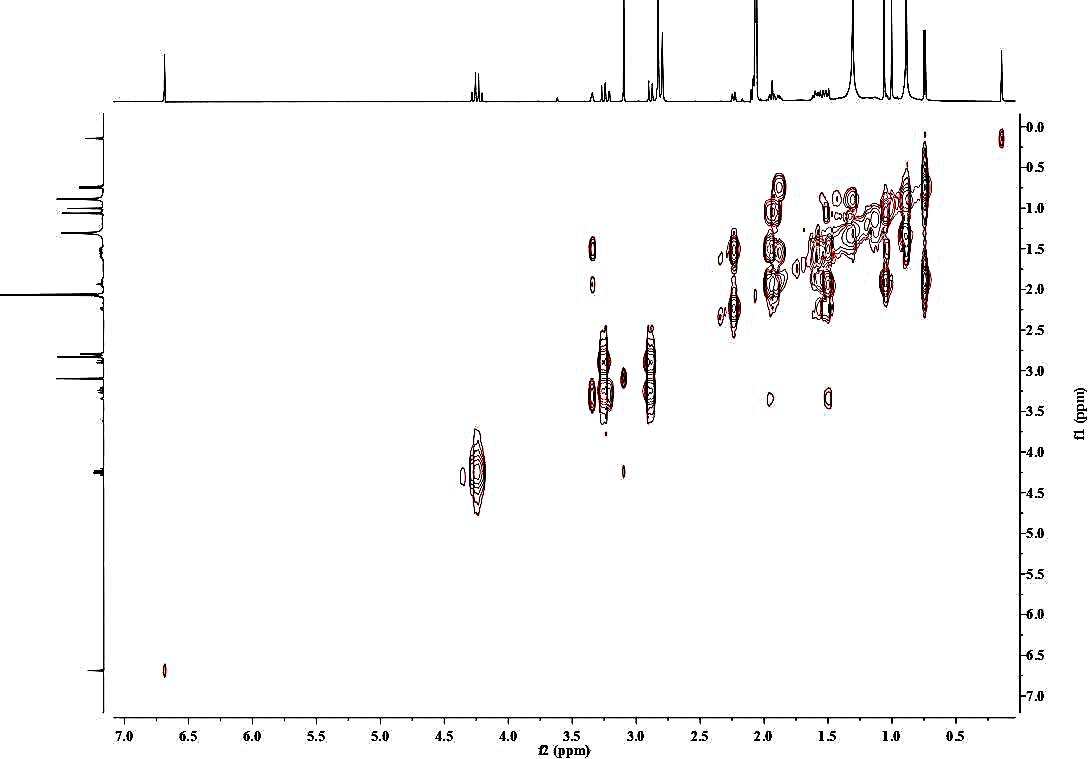


**Figure S24**. 13C NMR spectrum of compound **3** in acetone-*d*6at 150 MHz



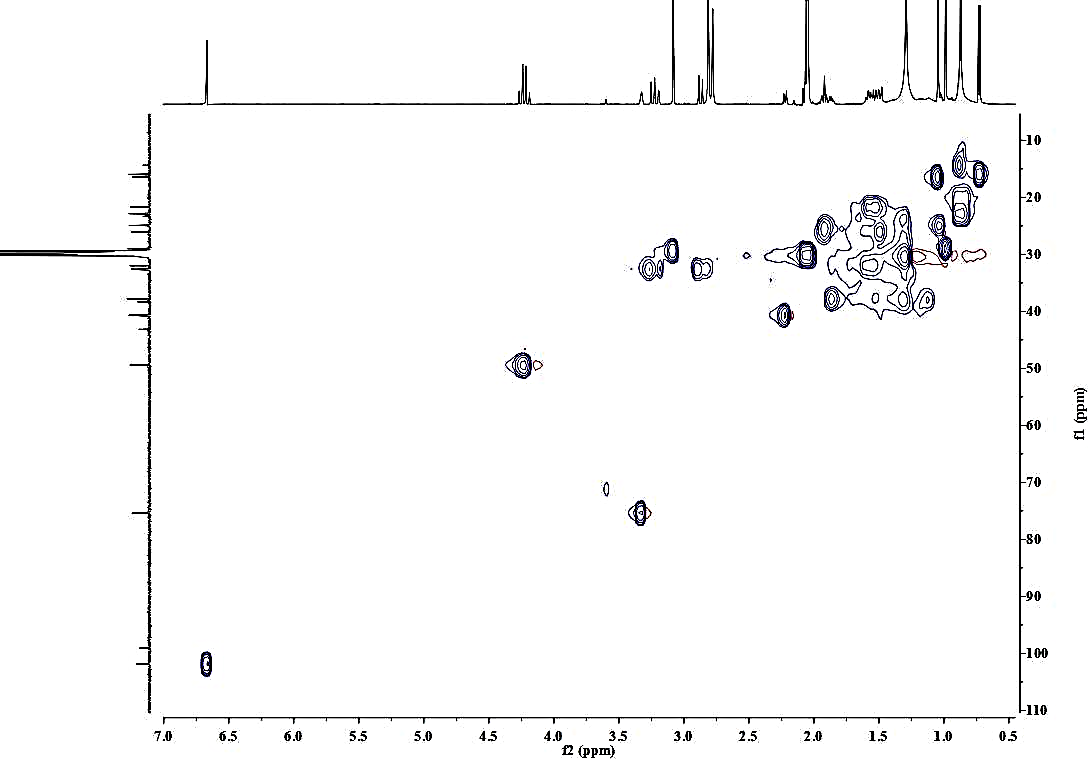


**Figure S25**. DEPT spectrum of compound **3** in acetone-*d*6at 150 MHz



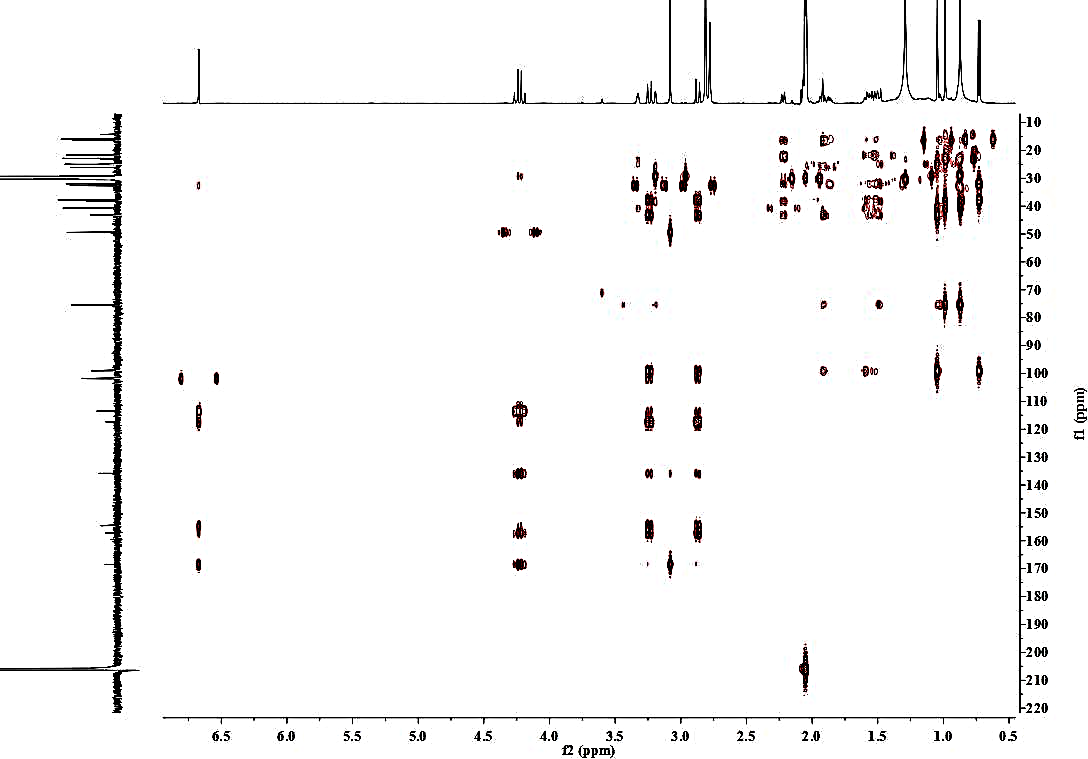


**Figure S26**. 1H-1H COSY spectrum of compound **3** in acetone-*d*6



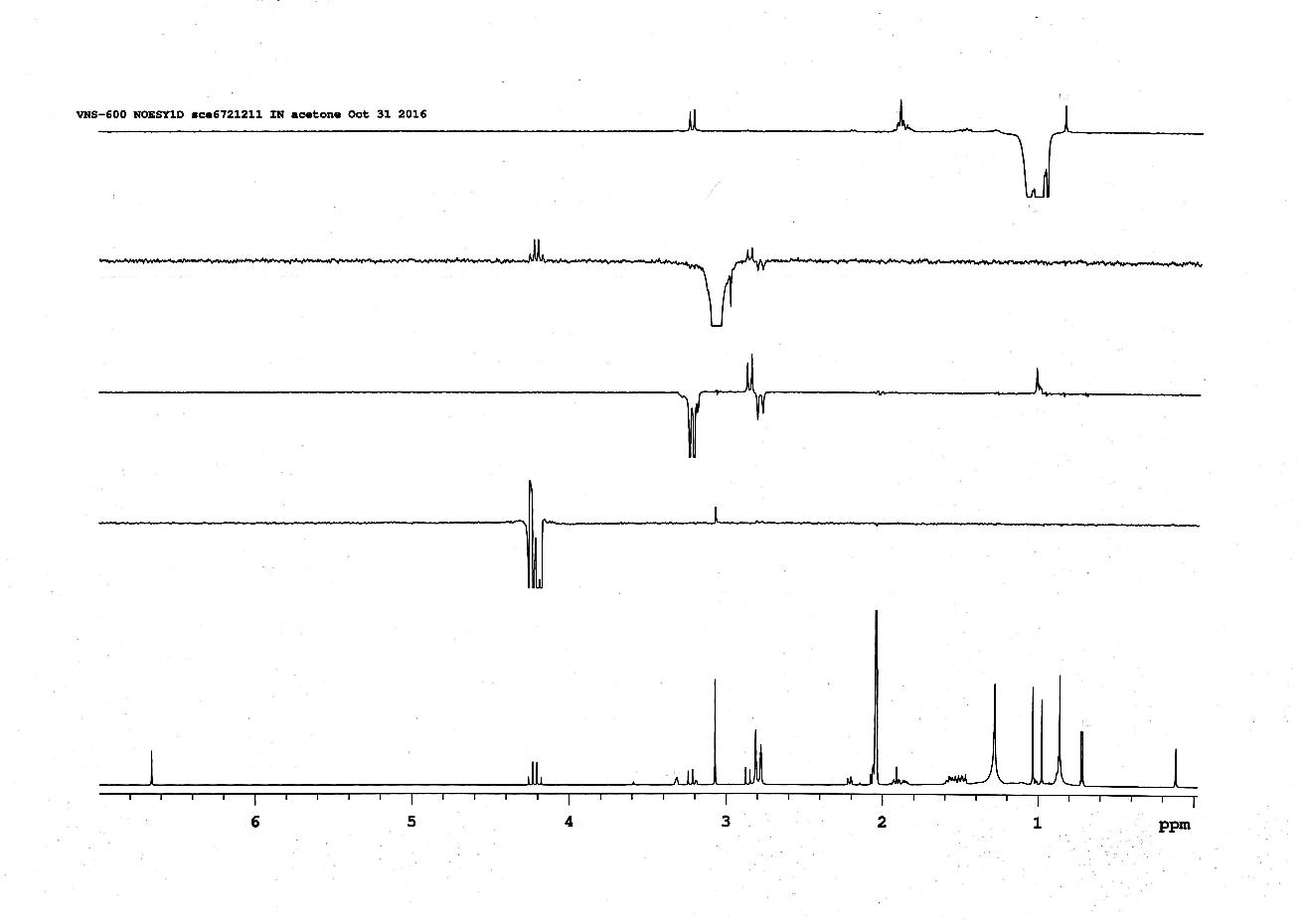


**Figure S27**. HSQC spectrum of compound **3** in acetone-*d*6





**Figure S28**. HMBC spectrum of compound **3** in acetone-*d*6





H2-11b

H3-14

H3-15

H2-8’

H3-9’

H3-15

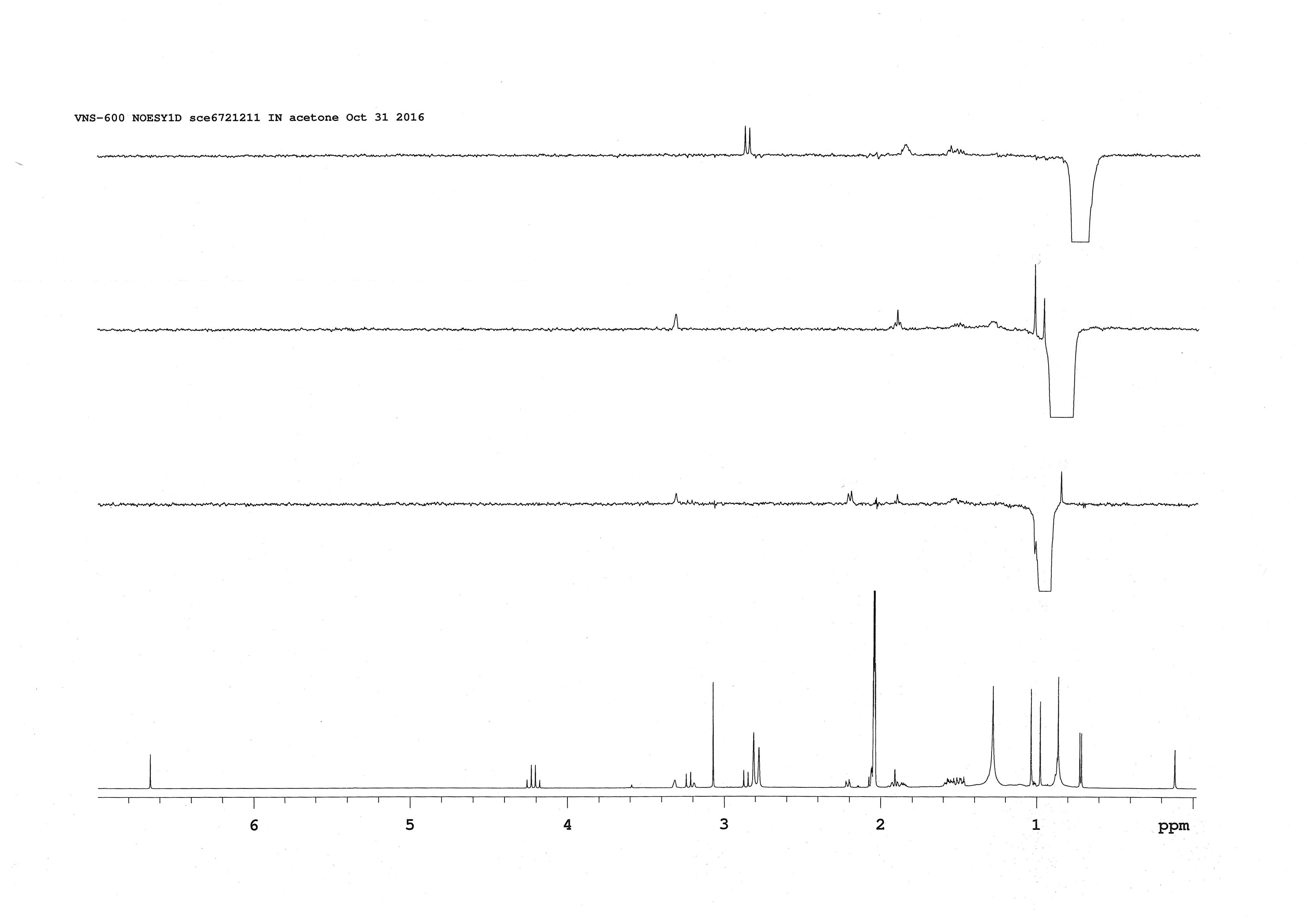
H2-11a

H2-11b

H3-9’

H2-8’

**Figure S29**. NOE difference spectrum of compound **3** in acetone-*d*6





H2-11a

H3-12

H-3

H3-15

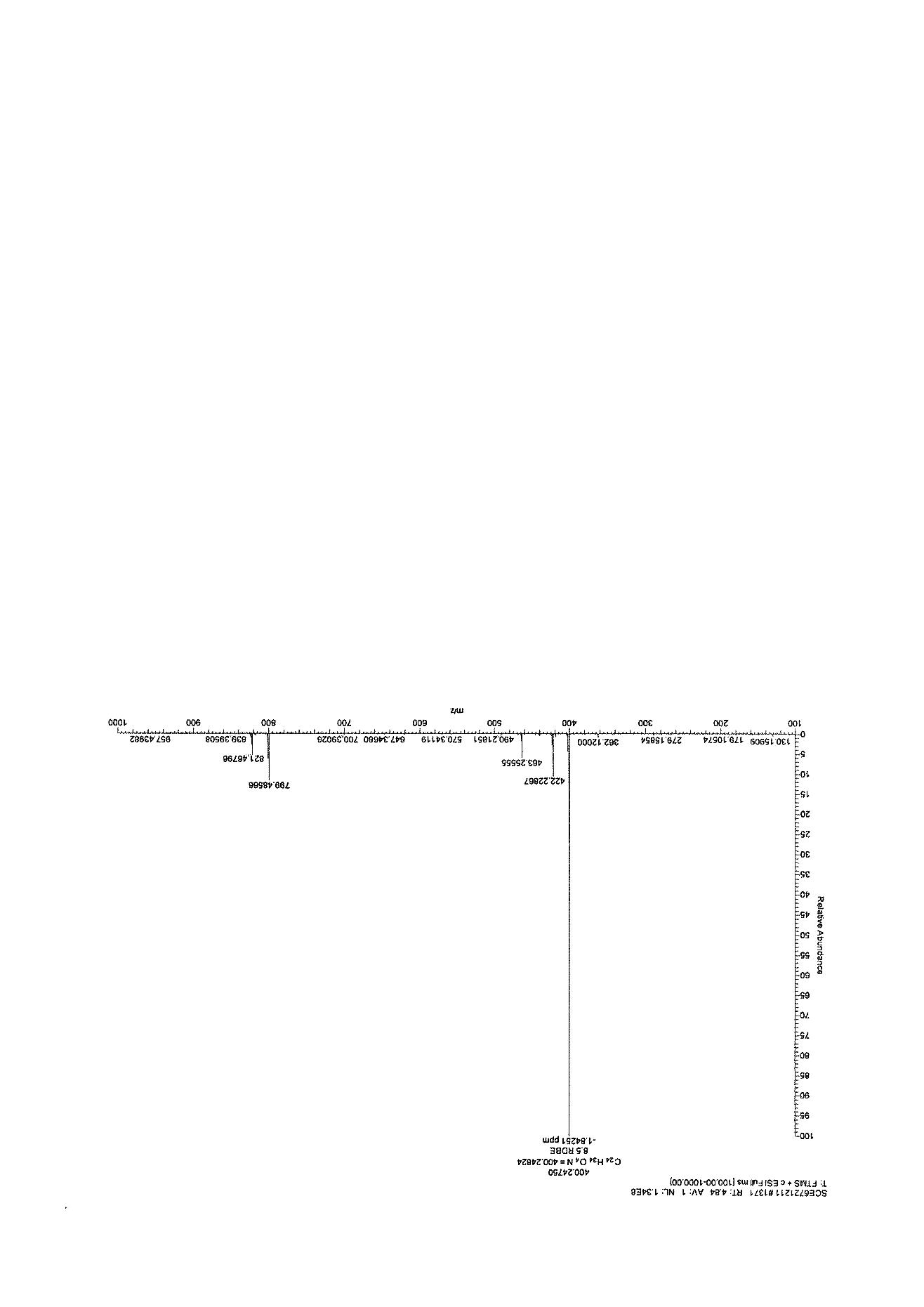
H3-14

H-5

H3-14

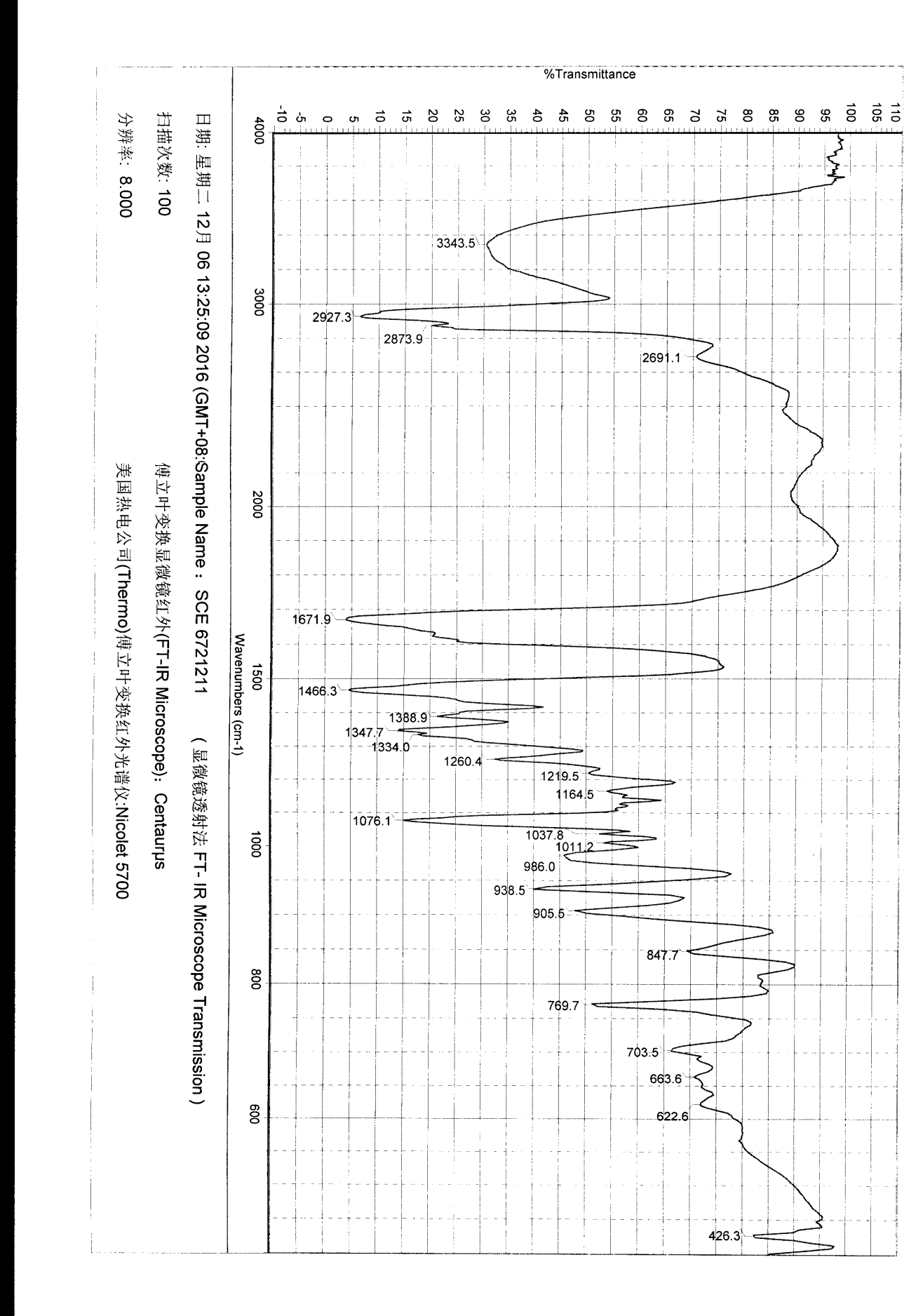
H3-13

**Figure S29**. NOE difference spectrum of compound **3** in acetone-*d*6



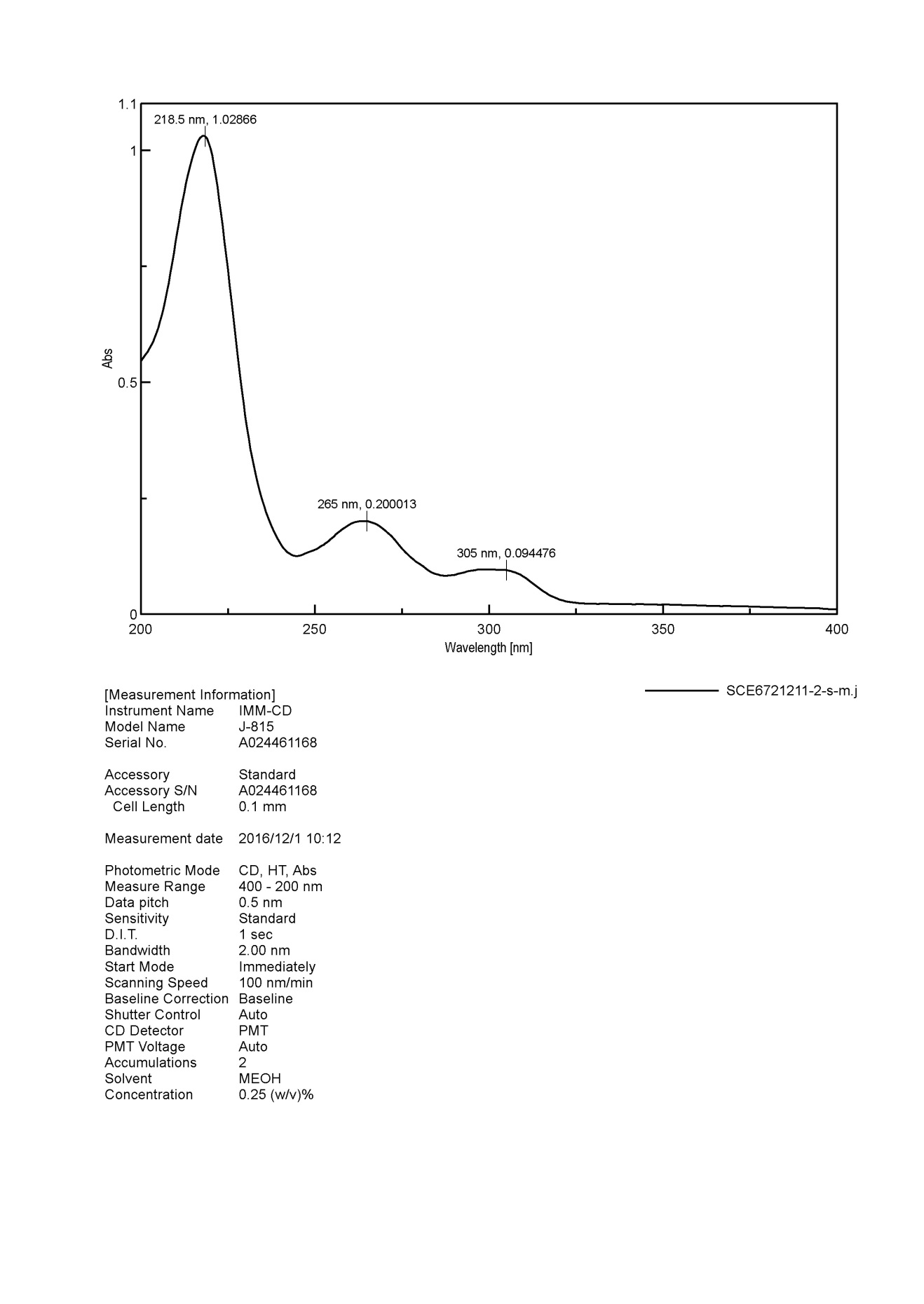


**Figure S30**. HR- ESI-MS spectrum of compound **3**

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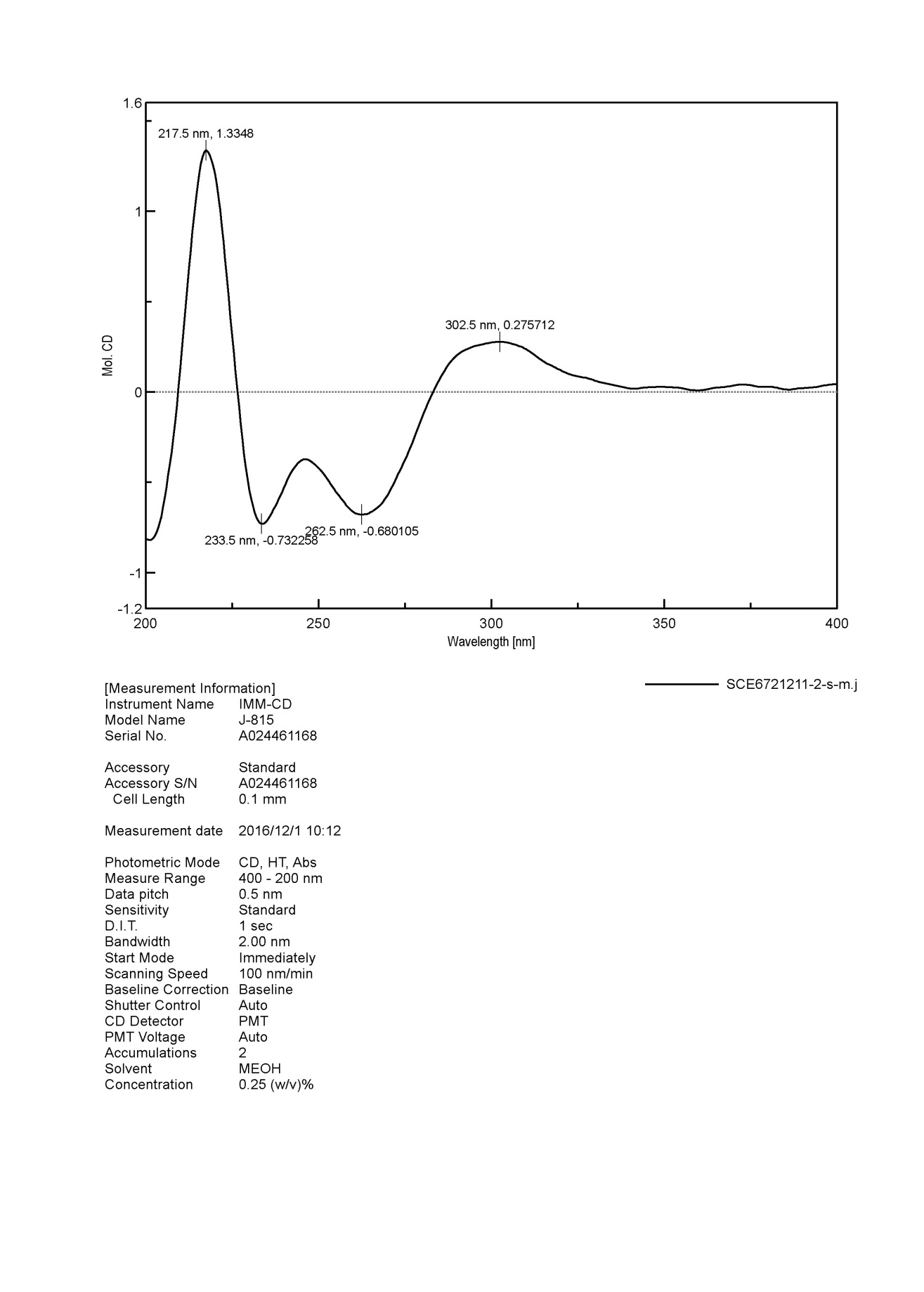


**Figure S31**. IR spectrum of compound **3**

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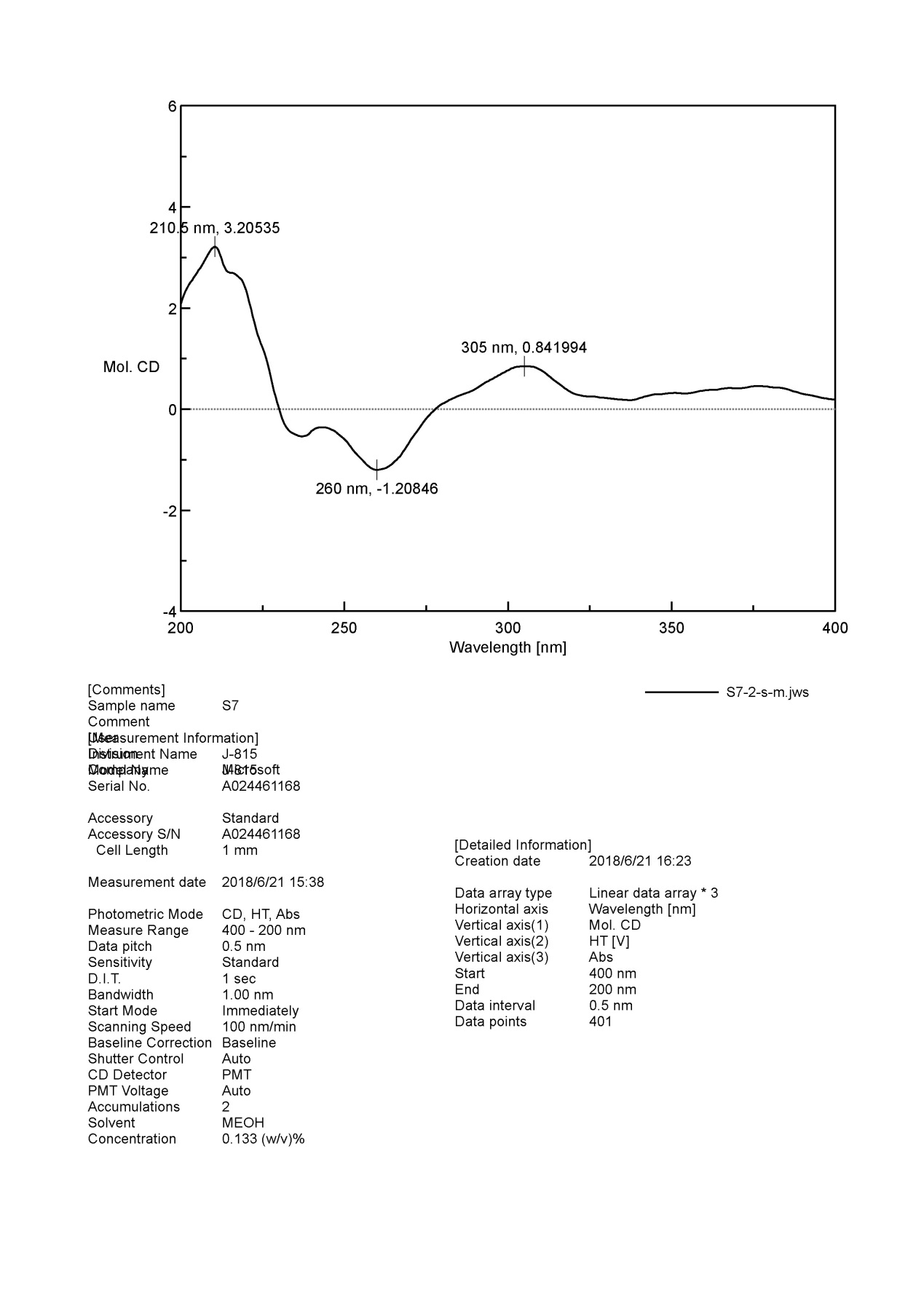


**Figure S32**. UV spectrum of compound **3**





**Figure S33**. ECD spectrum of compound **3**

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**Figure S34**. ECD spectrum of compound **4**