

# Supporting Information

## Copper-Catalyzed One-Pot Synthesis of Unsymmetrical Arylurea Derivatives via Tandem Reaction of Diaryliodonium Salts with *N*-Arylcyanamide

Pengfei Li, Guolin Cheng\*, Hong Zhang, Xianxiang Xu, Jingyuan Gao,  
Xiuling Cui\*

*Key Laboratory of Xiamen Marine and Gene Drugs, Institutes of Molecular Medicine  
and School of Biomedical Sciences, Huaqiao University & Engineering Research  
Center of Molecular Medicine, Ministry of Education, Xiamen 361021, China*

Corresponding authors:

Tel.: +865926162996. Fax: +865926162996.

Prof Xiuling Cui, E-mail address: [cuixl@hqu.edu.cn](mailto:cuixl@hqu.edu.cn)

Dr. Guoling Cheng, E-mail address: [gcheng@hqu.edu.cn](mailto:gcheng@hqu.edu.cn)

## List of Contents

|   |    |
|---|----|
| 1) CIF file of 1-(3,5-dimethylphenyl)-1,3-diphenylurea (4m).....                      | S3 |
| 2) Crystal structure and data of 1-(3,5-dimethylphenyl)-1,3-diphenylurea<br>(4m)..... | S4 |

## List of $^1\text{H}$ NMR and $^{13}\text{C}$ NMR spectra for compounds **4a-r, 4ba-4bj**

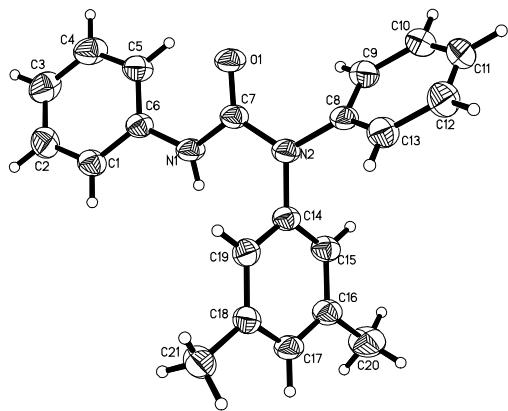
- Page S9  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4a**
- Page S10  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4b**
- Page S11  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4c**
- Page S12  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4d**
- Page S13  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4e**
- Page S14  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4f**
- Page S15  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4g**
- Page S16  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4h**
- Page S17  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4i**
- Page S18  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4j**
- Page S19  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4k**
- Page S20  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4l**
- Page S21  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4m**
- Page S22  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4n**
- Page S23  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4o**
- Page S24  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4p**
- Page S25  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4q**
- Page S26  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4r**
- Page S27  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4ba**
- Page S28  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bb**
- Page S29  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bc**
- Page S30  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bd**
- Page S31  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4be**
- Page S32  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bf**
- Page S33  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bg**
- Page S34  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bh**
- Page S35  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bi**
- Page S36  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bj**
- Page S37  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR of **4bk**

## 1) CIF file of 1-(3,5-Dimethylphenyl)-1,3-diphenylurea (4m)

Datablock:

|                        |                  |                                    |
|------------------------|------------------|------------------------------------|
| Bond precision:        | C-C = 0.0032 Å   | Wavelength=1.54184                 |
| Cell:                  | a=10.1979        | b=15.8821(4)                       |
|                        | alpha=90         | beta=90                            |
|                        |                  | gamma=90                           |
| Temperature:           | 291K             |                                    |
|                        | Calculated       | Reported                           |
| Volume                 | 3502.10(19)      | 3502.10(18)                        |
| Space group            | p b c a          | P b c a                            |
| Hall group             | -P 2ac 2ab       | -P 2ac 2ab                         |
| Moity formula          | C21 H20 N2 O     | C21 H20 N2 O                       |
| Sum formula            | C21 H20 N2 O     | C21 H20 N2 O                       |
| Mr                     | 316.39           | 316.39                             |
| Dx, g cm <sup>-3</sup> | 1.200            | 1.200                              |
| Z                      | 8                | 8                                  |
| Mu (mm <sup>-1</sup> ) | 0.583            | 0.583                              |
| F000                   | 1344.0           | 1344.0                             |
| F000'                  | 1347.70          |                                    |
| h, k, lmax             | 12, 18, 25       | 12, 18, 25                         |
| Nref                   | 3121             | 3109                               |
| Tmin, Tmax             | 0.890, 0.911     | 0.970, 1.000                       |
| Tmin'                  | 0.890            |                                    |
| Correction method      | = MULTI-SCAN     |                                    |
| Data completeness      | = 0.996          | Theta (max) = 67.030               |
| R (reflections)        | = 0.0450 ( 2324) | wR2 (reflections) = 0.1255 ( 3109) |
| S                      | = 1.026          | Npar= Npar = 224                   |

**2) Crystal structure and data of 1-(3,5-Dimethylphenyl)-1,3-diphenylurea (4m)  
(CCDC 1001202)**



**Table 1. Crystal data and structure refinement for 4m**

|                                   |  |
|-----------------------------------|--|
| Identification code               | 4m   |
| Empirical formula                 | C <sub>21</sub> H <sub>20</sub> N <sub>2</sub> O   |
| Formula weight                    | 316.39   |
| Temperature                       | 291(2) K   |
| Wavelength                        | 1.54184 Å  |
| Crystal system, space group       | Orthorhombic, Pbca   |
| Unit cell dimensions              | a = 10.1979 (3) Å    α = 90°<br>b = 15.8821 (4) Å    β = 90°<br>c = 21.6227 (8) Å    γ = 90° |
| Volume                            | 3502.10 (18) Å <sup>3</sup>  |
| Z, Calculated density             | 8, 1.2 Mg/m <sup>3</sup>   |
| Absorption coefficient            | 0.583 mm <sup>-1</sup>   |
| F(000)                            | 1344.0   |
| Crystal size                      | 0.2 x 0.18 x 0.16 mm   |
| Theta range for data collection   | 4.088 to 71.118°   |
| Limiting indices                  | -12<=h<=6, -16<=k<=18, -25<=l<=23  |
| Reflections collected / unique    | 2614/31101 [R(int) = 0.0158]   |
| Completeness to theta = 67.03     | 99.6 %   |
| Max. and min. transmission        | 0.890 and 0.911  |
| Refinement method                 | Full-matrix least-squares on F <sup>2</sup>  |
| Data / restraints / parameters    | 3109/0/224   |
| Goodness-of-fit on F <sup>2</sup> | 1.025  |
| Final R indices [I>2sigma(I)]     | R1 = 0.2324, wR2 = 0.3109  |
| R indices (all data)              | R1 = 0.045, wR2 = 0.1256   |
| Largest diff. Peak and hole       | 0.12 and -0.14 e. Å <sup>-3</sup>  |

**Table 2.** Atomic coordinates ( $x \times 10^5$ ) and equivalent isotropic displacement parameters ( $\text{\AA}^2 \times 10^3$ ) for 4m. U(eq) is defined as one third of the trace of the orthogonalized  $U^{ij}$  tensor.

|       | x         | y         | z         | U(eq)    |
|-------|-----------|-----------|-----------|----------|
| O(1)  | 74534(12) | 49987(10) | 21628(6)  | 6720(4)  |
| N(1)  | 52858(15) | 52406(12) | 23410(7)  | 6190(4)  |
| N(2)  | 65332(14) | 44702(11) | 30413(7)  | 6090(4)  |
| C(1)  | 39279(19) | 62178(14) | 17916(10) | 6740(5)  |
| C(2)  | 35440(2)  | 66166(17) | 12534(12) | 8400(7)  |
| C(3)  | 42000(2)  | 64678(19) | 70900(12) | 9380(8)  |
| C(4)  | 52390(2)  | 59178(18) | 70220(11) | 8900(8)  |
| C(5)  | 56390(2)  | 55202(16) | 12360(9)  | 7280(6)  |
| C(6)  | 49846(16) | 56649(13) | 17859(8)  | 5720(5)  |
| C(7)  | 64866(17) | 49130(13) | 24867(8)  | 5650(4)  |
| C(8)  | 76015(17) | 39019(13) | 31438(9)  | 5990(5)  |
| C(9)  | 79700(2)  | 33343(15) | 26959(10) | 7650(6)  |
| C(10) | 89980(3)  | 27813(17) | 28015(13) | 9040(8)  |
| C(11) | 96480(2)  | 27972(18) | 33579(13) | 9220(8)  |
| C(12) | 92670(2)  | 33487(18) | 38070(13) | 9030(8)  |
| C(13) | 82478(19) | 39055(16) | 37045(10) | 7150(6)  |
| C(14) | 55282(16) | 45227(13) | 35071(8)  | 5460(5)  |
| C(15) | 48431(17) | 38082(14) | 36661(9)  | 6100(5)  |
| C(16) | 38774(18) | 38400(14) | 41146(10) | 6540(5)  |
| C(17) | 36218(18) | 46015(14) | 43977(9)  | 6490(5)  |
| C(18) | 42971(18) | 53283(13) | 42467(8)  | 6090(5)  |
| C(19) | 52710(18) | 52796(13) | 37966(9)  | 5910(5)  |
| C(20) | 31060(2)  | 30582(18) | 42792(15) | 10020(9) |
| C(21) | 39900(2)  | 61545(16) | 45559(11) | 8470(7)  |

**Table 3.** Bond lengths [ $\text{\AA}$ ] and angles [ $^\circ$ ] for 4m

|            |          |
|------------|----------|
| O(1)-C(7)  | 1.217(2) |
| N(1)-C(6)  | 1.410(2) |
| N(1)-C(7)  | 1.367(2) |
| N(2)-C(7)  | 1.391(2) |
| N(2)-C(8)  | 1.432(2) |
| N(2)-C(14) | 1.439(2) |
| C(1)-C(2)  | 1.382(3) |
| C(1)-C(6)  | 1.390(3) |
| C(2)-C(3)  | 1.375(3) |
| C(3)-C(4)  | 1.373(3) |
| C(4)-C(5)  | 1.378(3) |
| C(5)-C(6)  | 1.383(3) |

---

|                   |             |
|-------------------|-------------|
| C(8)-C(9)         | 1.375(3)    |
| C(8)-C(13)        | 1.380(3)    |
| C(9)-C(10)        | 1.387(3)    |
| C(10)-C(11)       | 1.374(4)    |
| C(11)-C(12)       | 1.364(4)    |
| C(12)-C(13)       | 1.382(3)    |
| C(14)-C(15)       | 1.376(3)    |
| C(14)-C(19)       | 1.380(3)    |
| C(15)-C(16)       | 1.383(3)    |
| C(16)-C(17)       | 1.380(3)    |
| C(16)-C(20)       | 1.512(3)    |
| C(17)-C(18)       | 1.383(3)    |
| C(18)-C(19)       | 1.393(3)    |
| C(18)-C(21)       | 1.506(3)    |
| C(7)-N(1)-C(6)    | 124.96(16)  |
| C(7)-N(2)-C(8)    | 118.56(15)  |
| C(7)-N(2)-C(14)   | 123.35(15)  |
| C(8)-N(2)-C(14)   | 118.02(15)  |
| C(2)-C(1)-C(6)    | 120.1(2)    |
| C(3)-C(2)-C(1)    | 120.3(2)    |
| C(4)-C(3)-C(2)    | 119.6(2)    |
| C(3)-C(4)-C(5)    | 120.8(2)    |
| C(4)-C(5)-C(6)    | 120.1(2)    |
| C(1)-C(6)-N(1)    | 117.60(17)  |
| C(5)-C(6)-N(1)    | 123.17(18)  |
| C(5)-C(6)-C(1)    | 119.13(19)  |
| O(1)-C(7)-N(1)    | 123.39(18)  |
| O(1)-C(7)-N(2)    | 121.67(16)  |
| N(1)-C(7)-N(2)    | 114.94(16)  |
| C(9)-C(8)-N(2)    | 120.77(18)  |
| C(9)-C(8)-C(1)    | 3119.41(19) |
| C(13)-C(8)-N(2)   | 119.79(19)  |
| C(8)-C(9)-C(10)   | 120.4(2)    |
| C(11)-C(10)-C(9)  | 119.8(3)    |
| C(12)-C(11)-C(10) | 119.8(2)    |
| C(11)-C(12)-C(13) | 120.7(2)    |
| C(8)-C(13)-C(12)  | 119.8(2)    |
| C(15)-C(14)-N(2)  | 119.25(18)  |
| C(15)-C(14)-C(19) | 120.55(17)  |
| C(19)-C(14)-N(2)  | 120.19(18)  |
| C(14)-C(15)-C(16) | 120.4(2)    |
| C(15)-C(16)-C(20) | 120.4(2)    |
| C(17)-C(16)-C(15) | 118.5(2)    |
| C(17)-C(16)-C(20) | 121.11(19)  |

---

|                   |            |
|-------------------|------------|
| C(16)-C(17)-C(18) | 122.17(18) |
| C(17)-C(18)-C(19) | 118.28(19) |
| C(17)-C(18)-C(21) | 121.24(19) |
| C(19)-C(18)-C(21) | 120.5(2)   |
| C(14)-C(19)-C(18) | 120.04(19) |

**Table 4. Anisotropic displacement parameters ( $\text{\AA}^2 \times 10^4$ ) for 4m. The anisotropic displacement factor exponent takes the form:  $-2\pi^2 [ h^2 a^{*2} U^{11} + \dots + 2 h k a^* b^* U^{12} ]$**

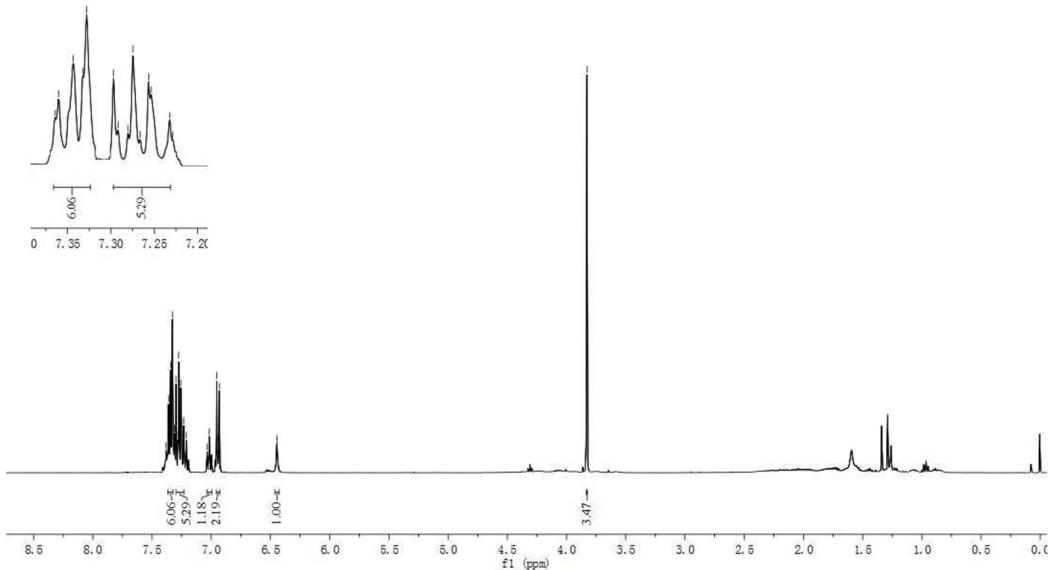
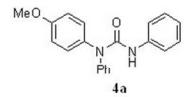
|     | U <sup>11</sup> | U <sup>22</sup> | U <sup>33</sup> | U <sup>23</sup> | U <sup>13</sup> | U <sup>12</sup> |
|-----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| O1  | 417(6)          | 1020(11)        | 581(7)          | 143(7)          | 55(6)           | 42(7)           |
| N1  | 411(8)          | 913(12)         | 533(9)          | 103(8)          | 45(7)           | 55(8)           |
| N2  | 452(8)          | 856(11)         | 519(8)          | 85(8)           | 47(6)           | 100(7)          |
| C1  | 495(10)         | 818(14)         | 709(12)         | 29(11)          | -21(9)          | 42(10)          |
| C2  | 576(12)         | 929(17)         | 1014(18)        | 181(15)         | -134(12)        | 101(12)         |
| C3  | 726(15)         | 131(2)          | 782(15)         | 340(16)         | -149(13)        | 9(15)           |
| C4  | 713(14)         | 137(2)          | 591(12)         | 161(14)         | -16(11)         | 57(15)          |
| C5  | 587(12)         | 1029(17)        | 569(11)         | 46(11)          | -15(9)          | 108(11)         |
| C6  | 419(9)          | 729(12)         | 568(10)         | 42(9)           | -32(7)          | -27(8)          |
| C7  | 428(9)          | 763(12)         | 503(9)          | 27(9)           | 10(7)           | 19(8)           |
| C8  | 403(9)          | 796(13)         | 598(10)         | 114(10)         | 63(8)           | 14(8)           |
| C9  | 689(13)         | 949(16)         | 658(12)         | 80(12)          | 86(10)          | 143(12)         |
| C10 | 846(16)         | 938(17)         | 927(17)         | 140(14)         | 271(14)         | 272(14)         |
| C11 | 573(12)         | 111(2)          | 1087(19)        | 360(17)         | 104(13)         | 218(13)         |
| C12 | 578(13)         | 120(2)          | 928(17)         | 231(16)         | -161(12)        | 71(14)          |
| C13 | 557(11)         | 913(16)         | 674(12)         | 51(11)          | -58(9)          | 6(11)           |
| C14 | 399(8)          | 767(13)         | 472(9)          | 27(9)           | -18(7)          | 30(8)           |
| C15 | 457(9)          | 775(13)         | 597(10)         | -34(10)         | -19(8)          | -10(9)          |
| C16 | 442(9)          | 842(14)         | 676(11)         | 48(11)          | 42(9)           | -13(9)          |
| C17 | 444(9)          | 944(15)         | 558(10)         | 104(11)         | 66(8)           | 97(10)          |
| C18 | 550(10)         | 788(13)         | 488(9)          | 25(9)           | -52(8)          | 158(9)          |
| C19 | 506(10)         | 707(12)         | 560(10)         | 82(9)           | -31(8)          | 30(9)           |
| C20 | 680(14)         | 1033(19)        | 129(2)          | 51(18)          | 253(15)         | -207(14)        |
| C21 | 854(15)         | 921(17)         | 765(14)         | -6(13)          | 13(12)          | 273(13)         |

**Table 5. Hydrogen coordinates (  $\times 10^4$  ) and isotropic displacement parameters ( $\text{\AA}^2 \times 10^3$ ) for 4m.**

|       | x    | y    | z    | U(eq) |
|-------|------|------|------|-------|
| H(1A) | 3479 | 6319 | 2158 | 81    |
| H(2)  | 2838 | 6987 | 1259 | 101   |
| H(3)  | 3942 | 6738 | 347  | 113   |
| H(4)  | 5677 | 5812 | 333  | 107   |

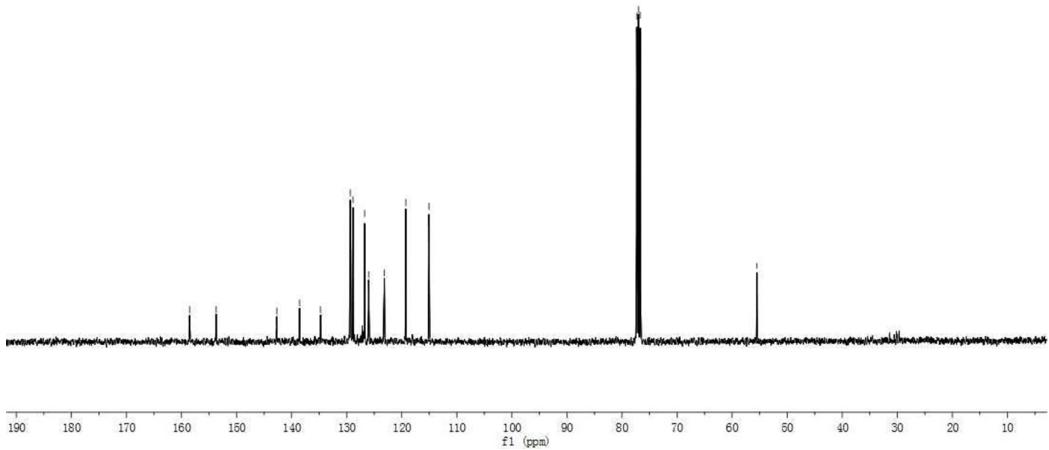
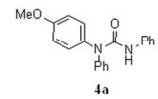
|        |       |      |      |     |
|--------|-------|------|------|-----|
| H(5)   | 6351  | 5154 | 1227 | 87  |
| H(9)   | 7526  | 3321 | 2320 | 92  |
| H(10)  | 9246  | 2401 | 2497 | 108 |
| H(11)  | 10346 | 2433 | 3428 | 111 |
| H(12)  | 9697  | 3350 | 4186 | 108 |
| H(13)  | 7999  | 4281 | 4013 | 86  |
| H(15)  | 5031  | 3301 | 3471 | 73  |
| H(17)  | 2974  | 4627 | 4700 | 78  |
| H(19)  | 5748  | 5757 | 3691 | 71  |
| H(20A) | 3288  | 2623 | 3983 | 150 |
| H(20B) | 2186  | 3185 | 4275 | 150 |
| H(20C) | 3354  | 2870 | 4684 | 150 |
| H(21A) | 4740  | 6518 | 4532 | 127 |
| H(21B) | 3773  | 6057 | 4982 | 127 |
| H(21C) | 3260  | 6416 | 4351 | 127 |

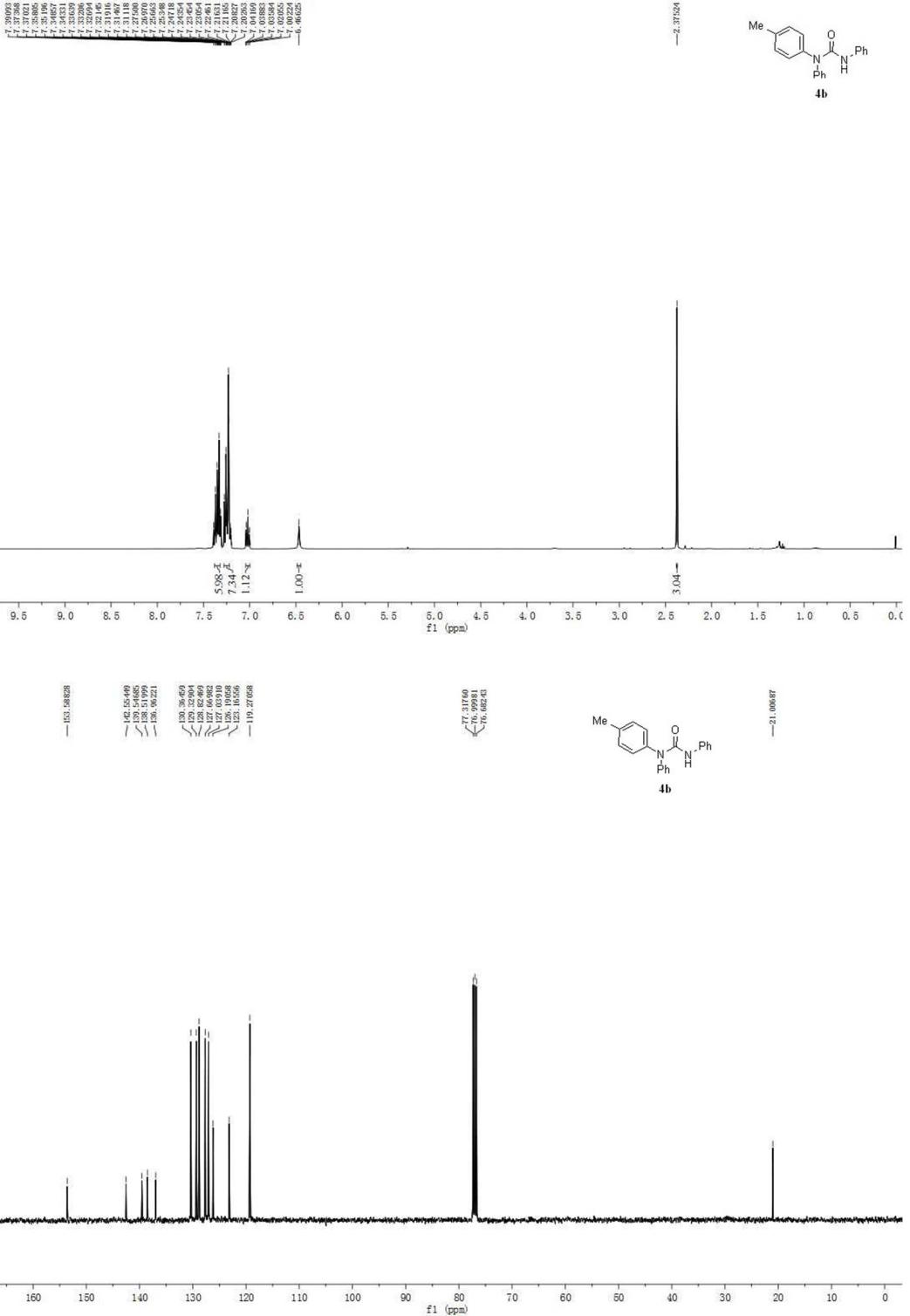
<sup>1</sup>H NMR chemical shifts ( $\delta$ , ppm): 7.38087, 7.35419, 7.33331, 7.32201, 7.31941, 7.31655, 7.29700, 7.29186, 7.28610, 7.26630, 7.26488, 7.26054, 7.22320, 7.22098, 7.21095, 7.1642, 7.05488, 7.04852, 7.04511, 7.04180, -6.4559.

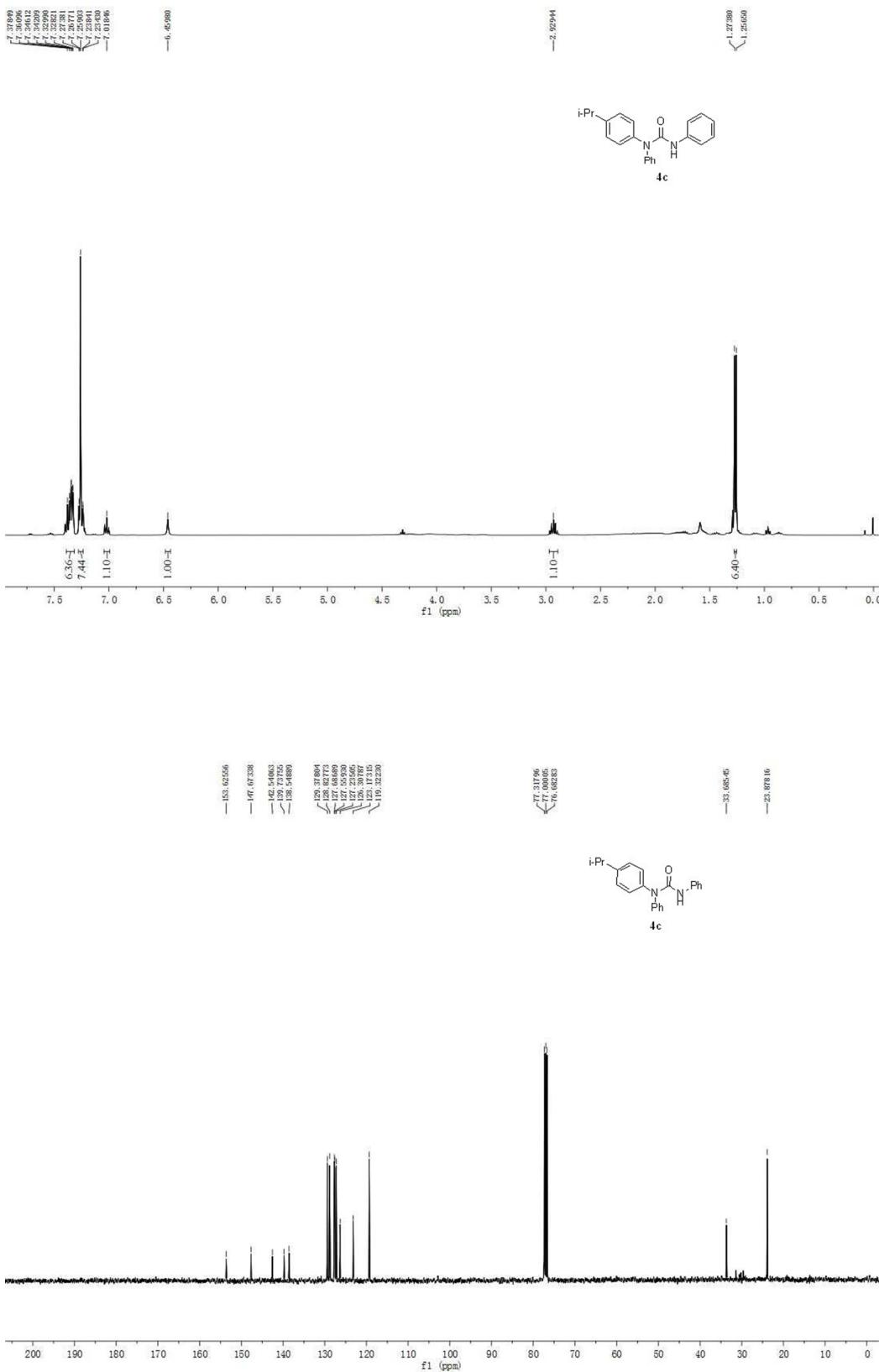


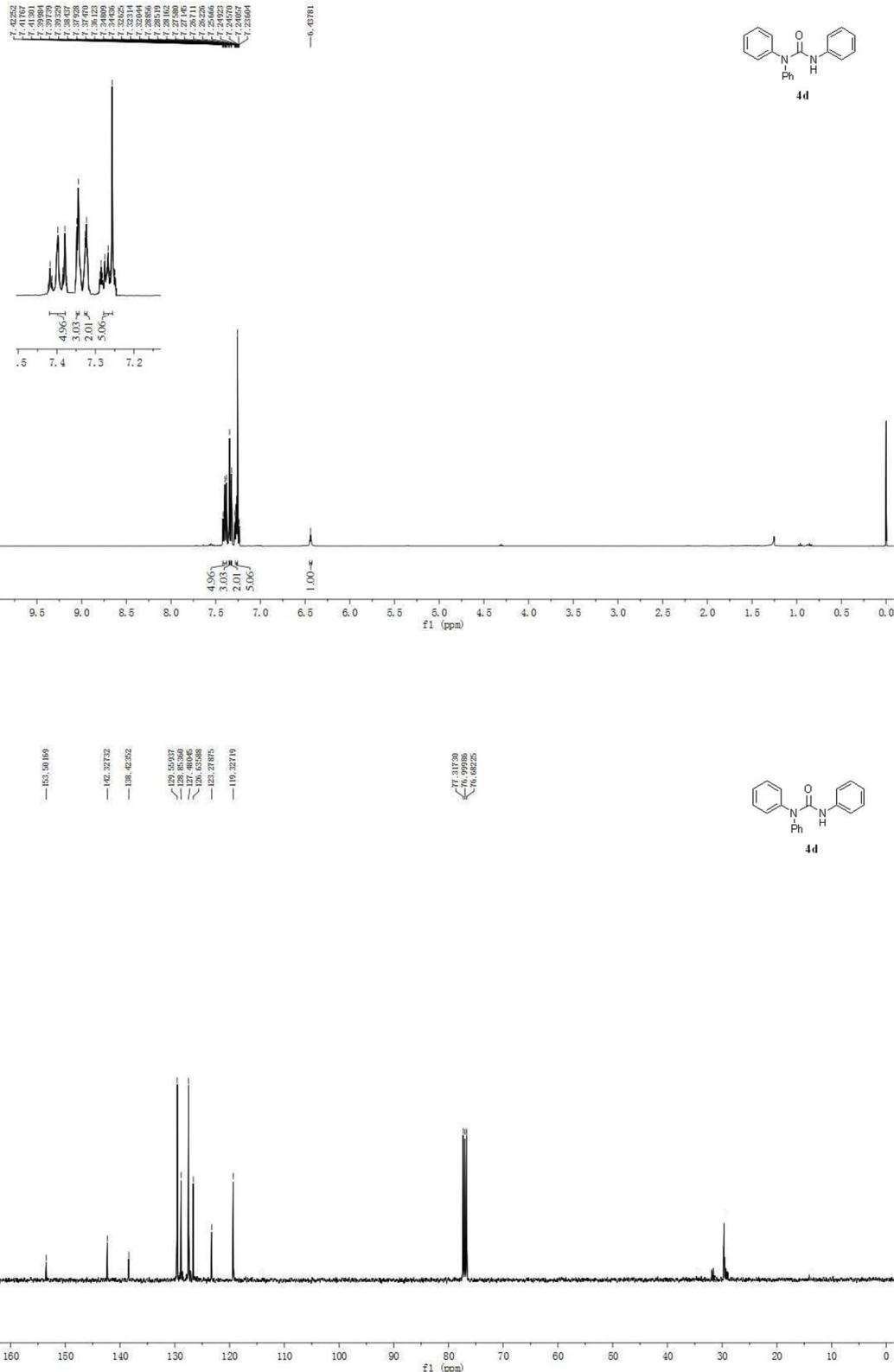
-102.69662  
-138.55423  
-134.75240  
-129.36149  
-129.26973  
-128.83817  
-126.65170  
-123.15461  
-119.25419  
-115.05754

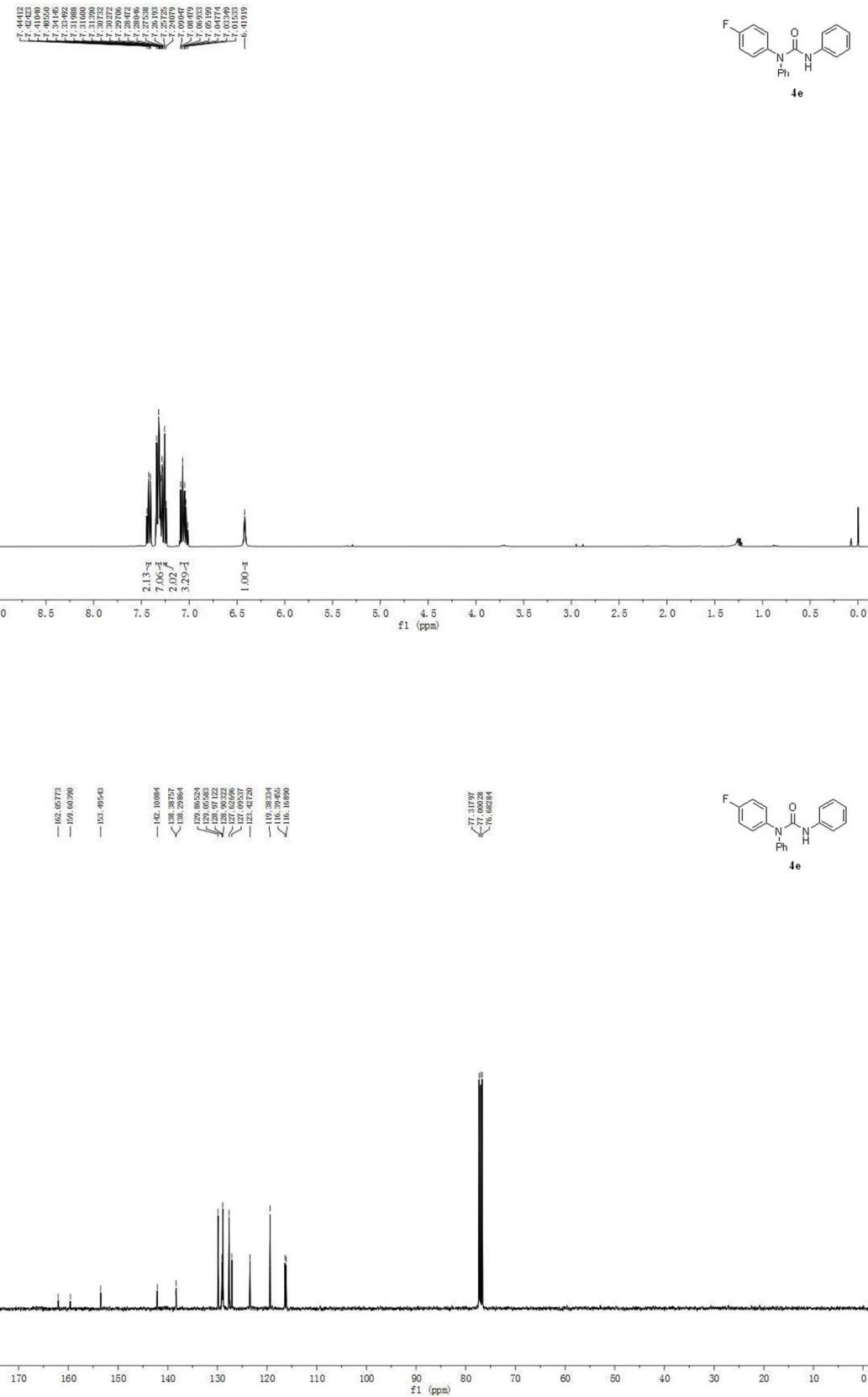
77.3176  
76.9293  
76.65219  
-155.90155



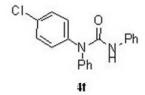




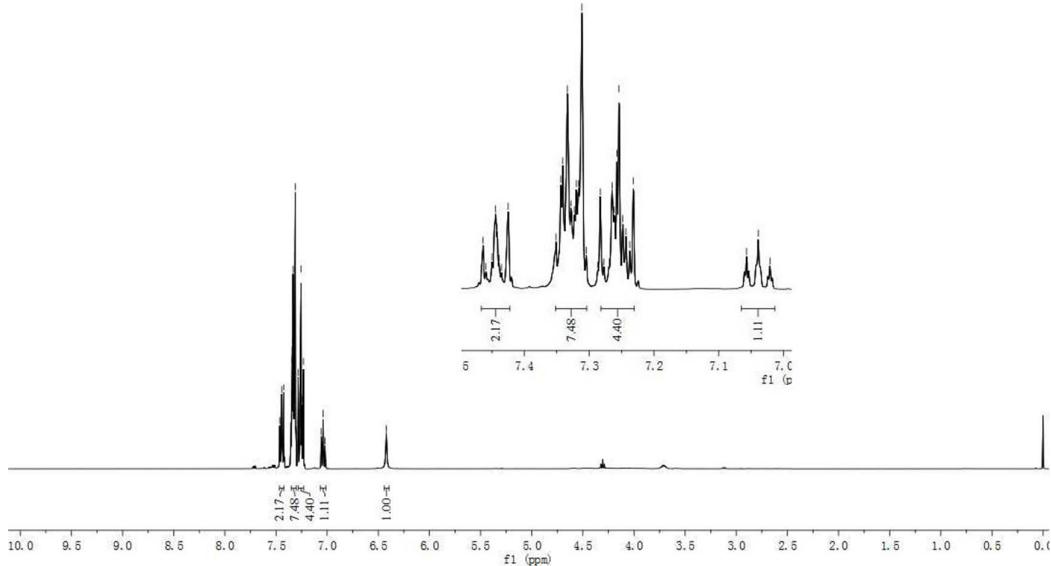




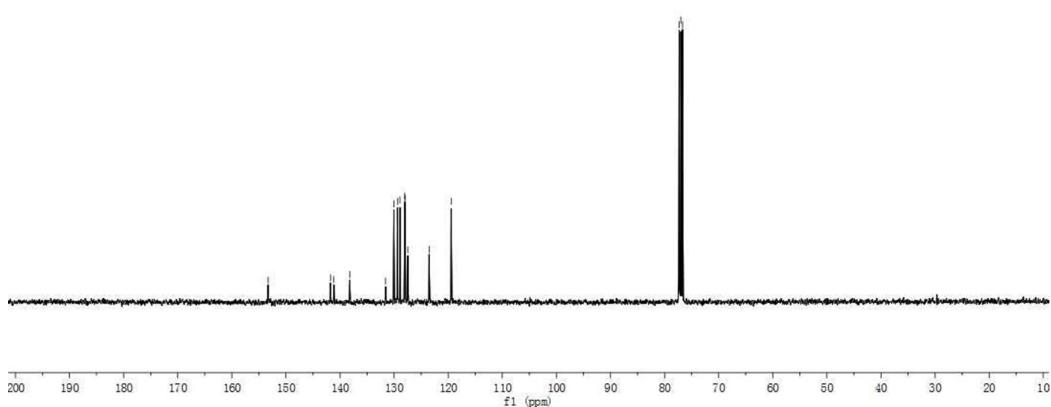
<sup>1</sup>H NMR chemical shifts ( $\delta$ , ppm): 7.48, 7.40, 7.35, 7.32, 7.29, 7.26, 7.21, 7.17, 7.11, 4.40, 4.00, 3.98, 3.96, 3.94, 3.92, 3.89, 3.87, 3.85, 3.83, 3.81, 3.79, 3.77, 3.75, 3.73, 3.71, 3.69, 3.67, 3.65, 3.63, 3.61, 3.59, 3.57, 3.55, 3.53, 3.51, 3.49, 3.47, 3.45, 3.43, 3.41, 3.39, 3.37, 3.35, 3.33, 3.31, 3.29, 3.27, 3.25, 3.23, 3.21, 3.19, 3.17, 3.15, 3.13, 3.11, 3.09, 3.07, 3.05, 3.03, 3.01, 2.99, 2.97, 2.95, 2.93, 2.91, 2.89, 2.87, 2.85, 2.83, 2.81, 2.79, 2.77, 2.75, 2.73, 2.71, 2.69, 2.67, 2.65, 2.63, 2.61, 2.59, 2.57, 2.55, 2.53, 2.51, 2.49, 2.47, 2.45, 2.43, 2.41, 2.39, 2.37, 2.35, 2.33, 2.31, 2.29, 2.27, 2.25, 2.23, 2.21, 2.19, 2.17, 2.15, 2.13, 2.11, 2.09, 2.07, 2.05, 2.03, 2.01, 1.99, 1.97, 1.95, 1.93, 1.91, 1.89, 1.87, 1.85, 1.83, 1.81, 1.79, 1.77, 1.75, 1.73, 1.71, 1.69, 1.67, 1.65, 1.63, 1.61, 1.59, 1.57, 1.55, 1.53, 1.51, 1.49, 1.47, 1.45, 1.43, 1.41, 1.39, 1.37, 1.35, 1.33, 1.31, 1.29, 1.27, 1.25, 1.23, 1.21, 1.19, 1.17, 1.15, 1.13, 1.11, 1.09, 1.07, 1.05, 1.03, 1.01, 0.99, 0.97, 0.95, 0.93, 0.91, 0.89, 0.87, 0.85, 0.83, 0.81, 0.79, 0.77, 0.75, 0.73, 0.71, 0.69, 0.67, 0.65, 0.63, 0.61, 0.59, 0.57, 0.55, 0.53, 0.51, 0.49, 0.47, 0.45, 0.43, 0.41, 0.39, 0.37, 0.35, 0.33, 0.31, 0.29, 0.27, 0.25, 0.23, 0.21, 0.19, 0.17, 0.15, 0.13, 0.11, 0.09, 0.07, 0.05, 0.03, 0.01, 0.00.

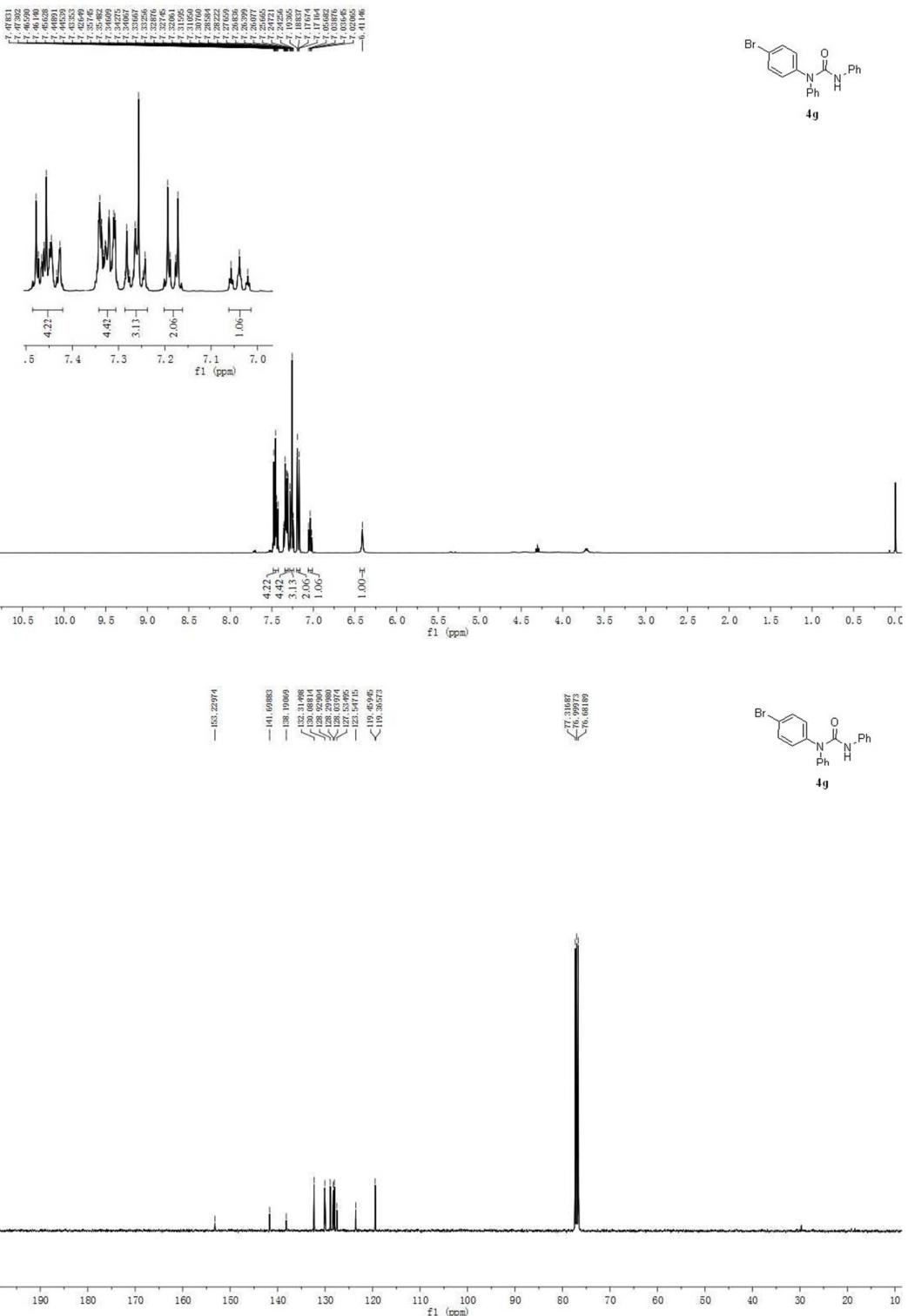


**4f**



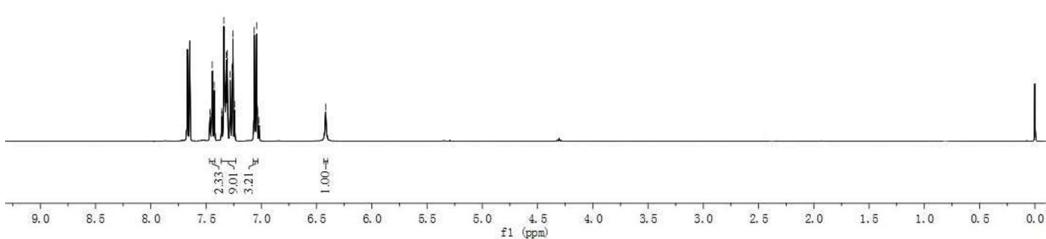
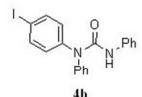
**4f**





<sup>1</sup>H NMR chemical shifts ( $\delta$ , ppm):

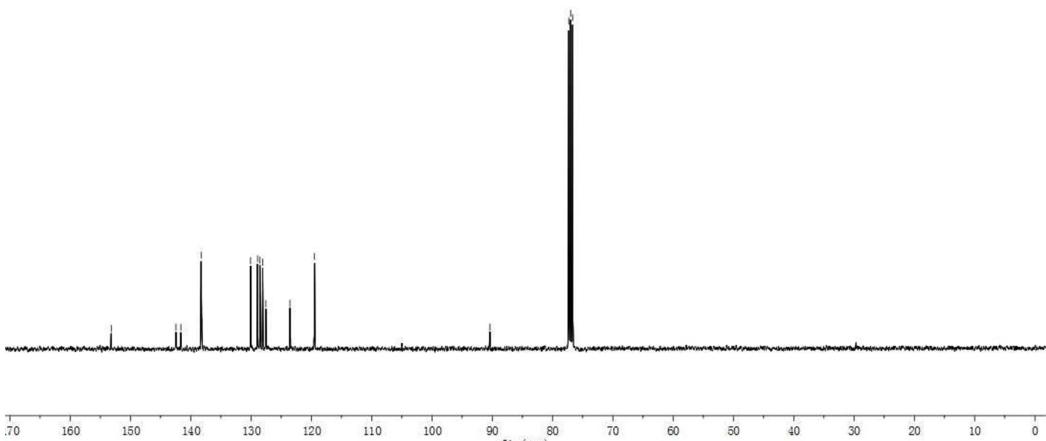
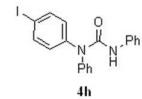
7.46/0.23  
7.45/9.68  
7.44/6.03  
7.43/4.61  
7.42/4.11  
7.35/7.47  
7.35/4.62  
7.35/3.99  
7.35/3.68  
7.35/3.19  
7.35/3.06  
7.35/2.98  
7.35/2.18  
7.35/1.85  
7.35/1.68  
7.35/1.38  
7.35/1.18  
7.35/1.08  
7.35/0.98  
7.35/0.82  
7.35/0.65  
7.35/0.55  
7.35/0.45  
7.35/0.35  
7.35/0.25  
7.35/0.15  
7.35/0.05  
7.35/0.00

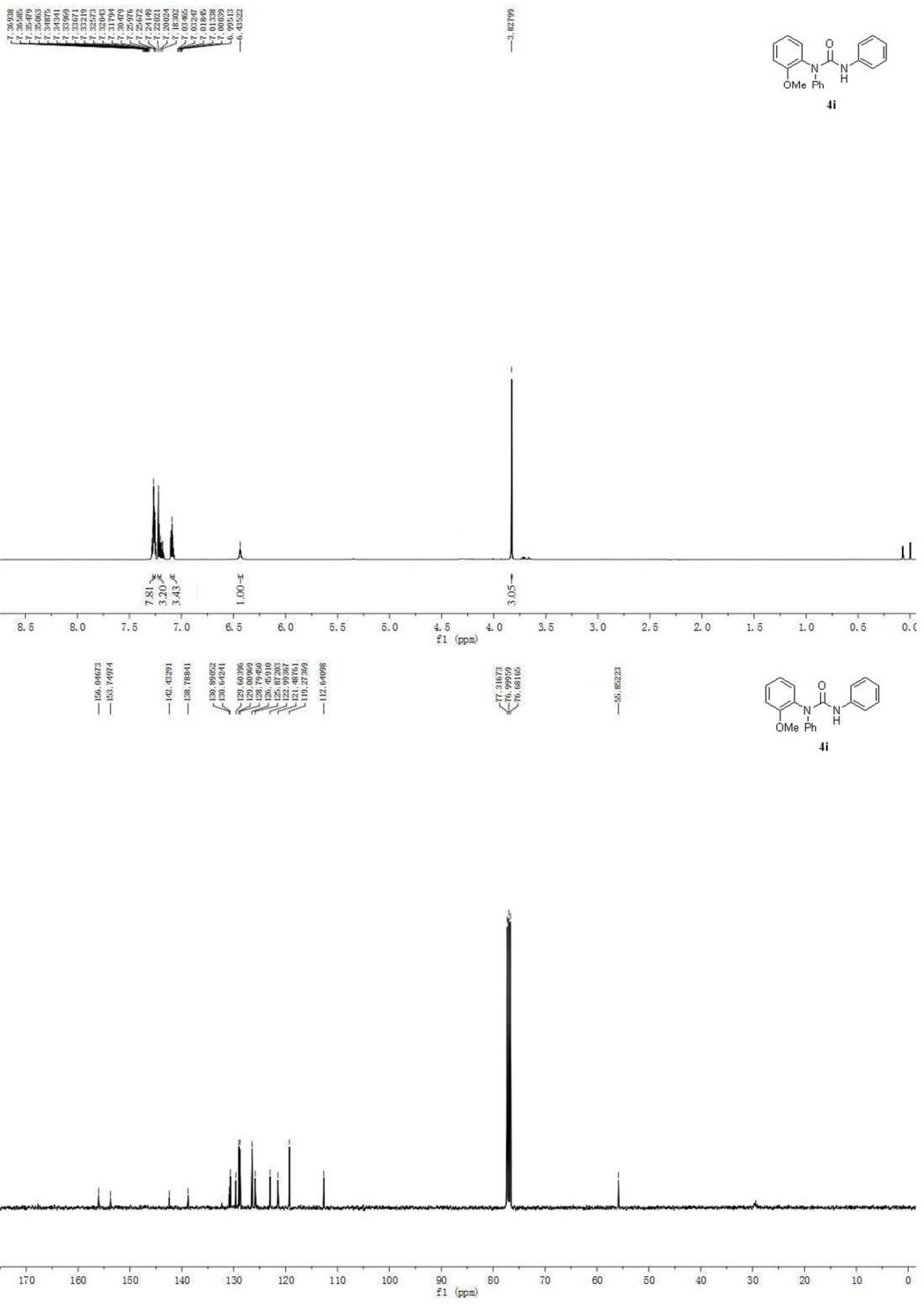


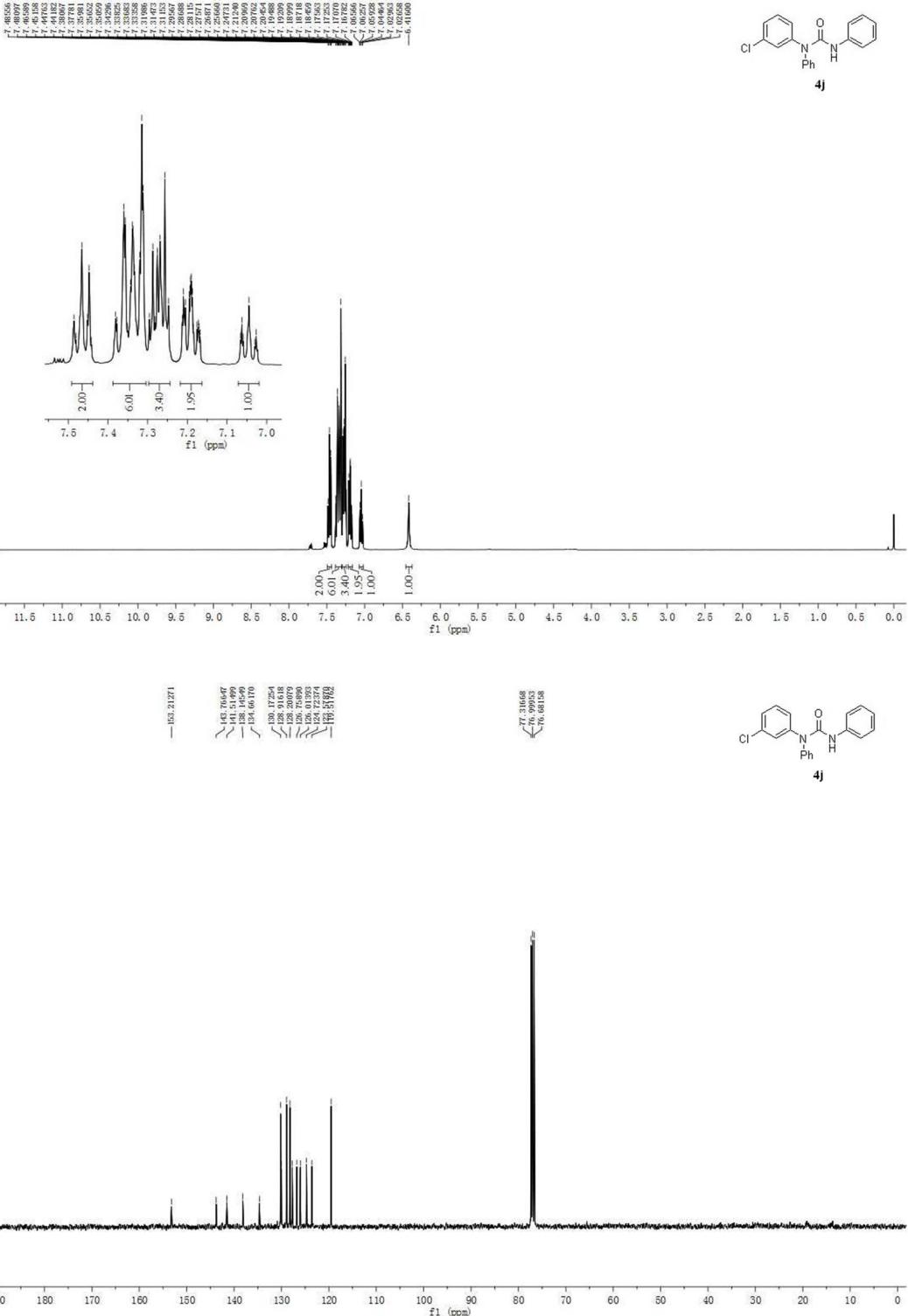
— 1H3, 1H6/6c

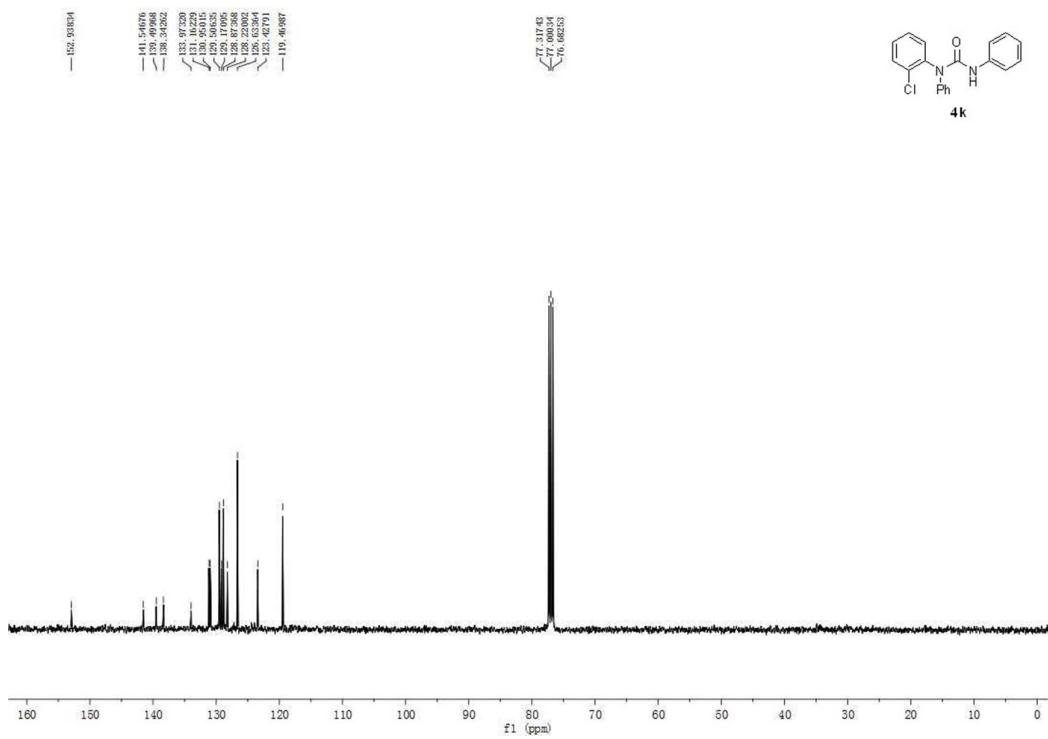
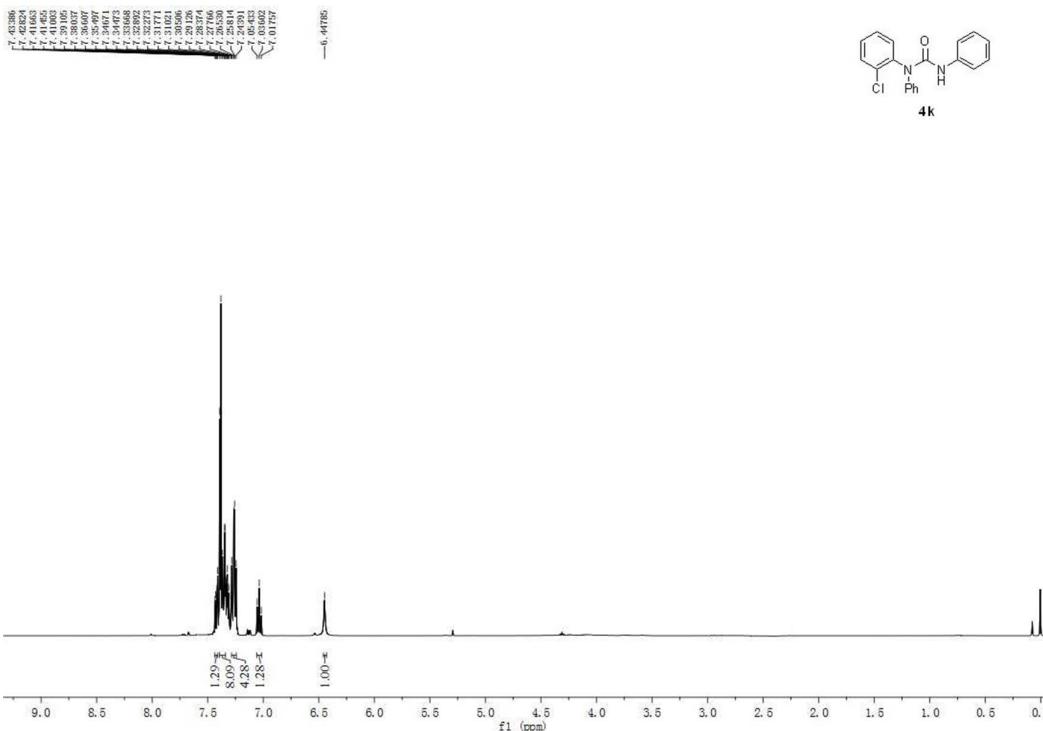
< 1H2, 4H5/5a  
< 1H1, 6H3/3a  
< 1H8, 2H7/7a  
< 1H8, 17H9c  
— 1H9, 0H25/25  
— 1H8, 9H29/29  
— 1H8, 13H32/32  
— 1H27, 5H46/46  
— 1H23, 5H45/45  
— 1H9, 4H64/64

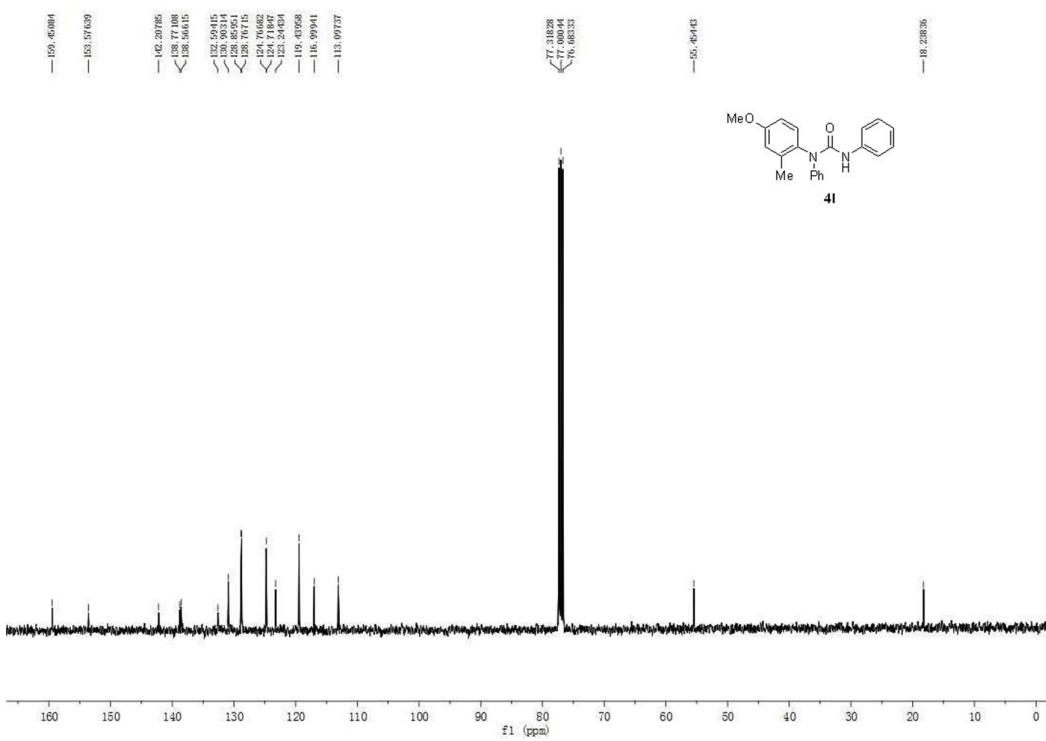
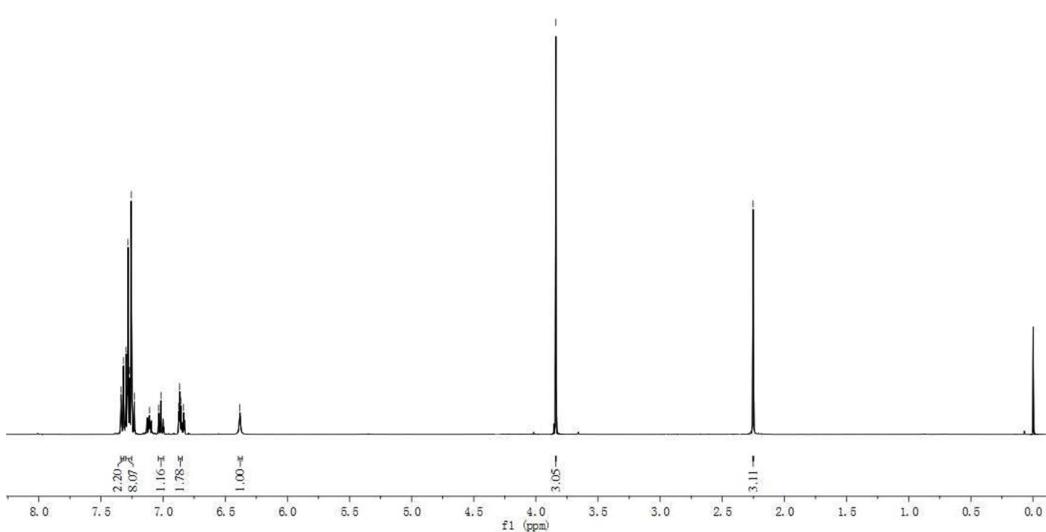
— 90, 3H10/10

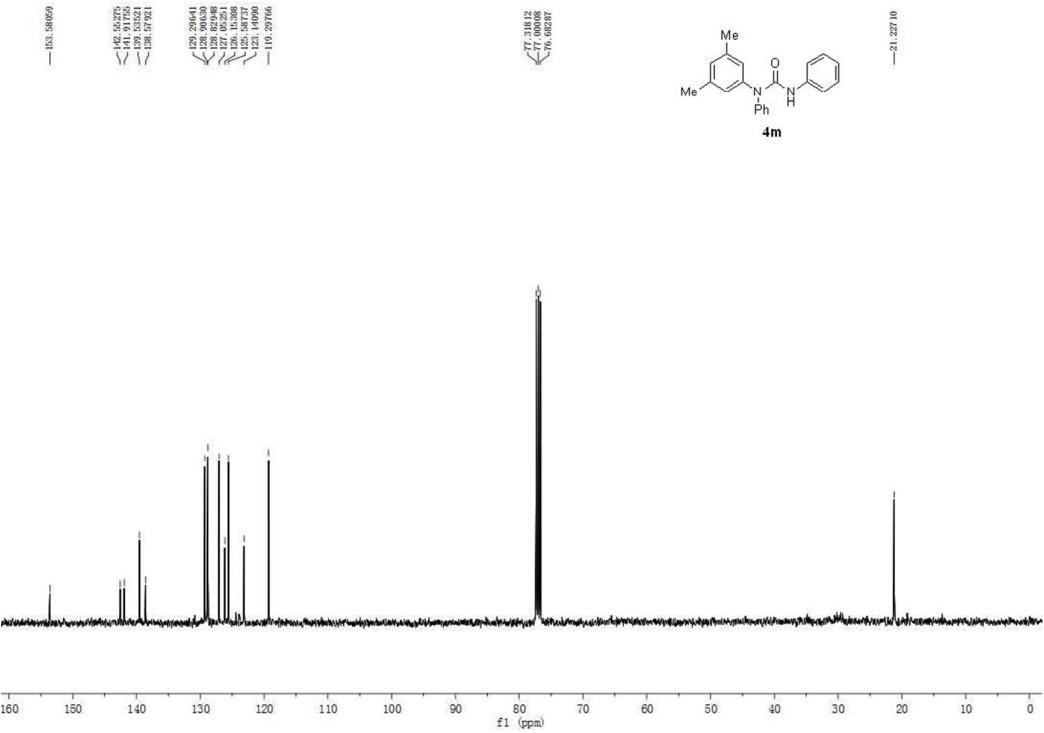
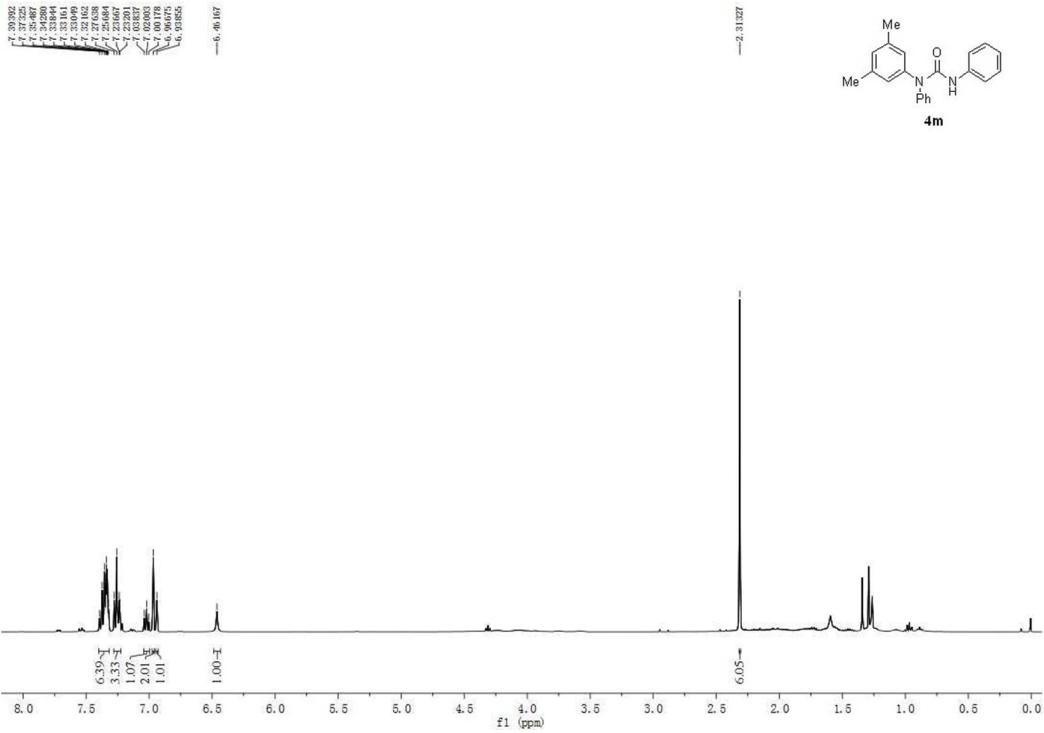




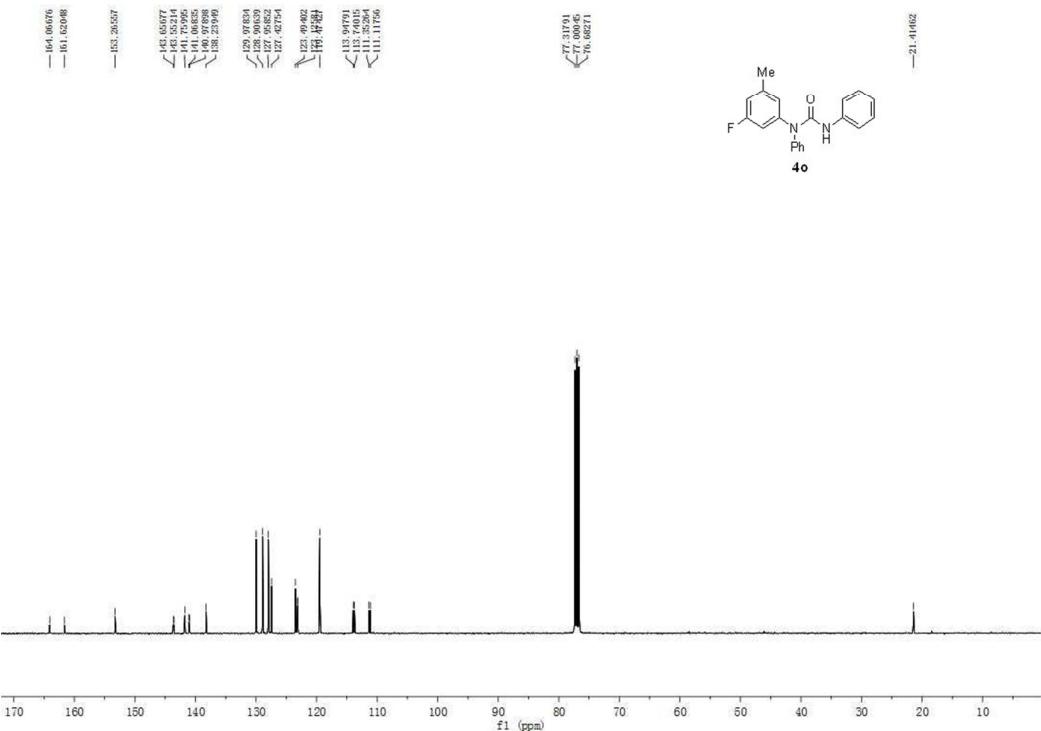
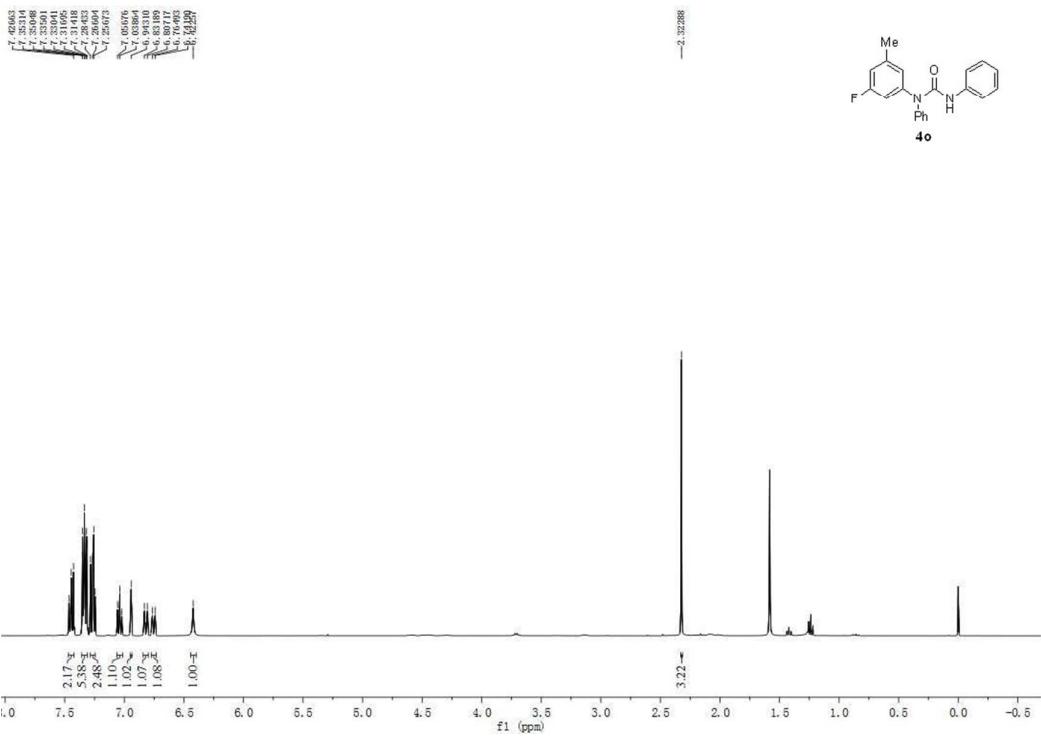


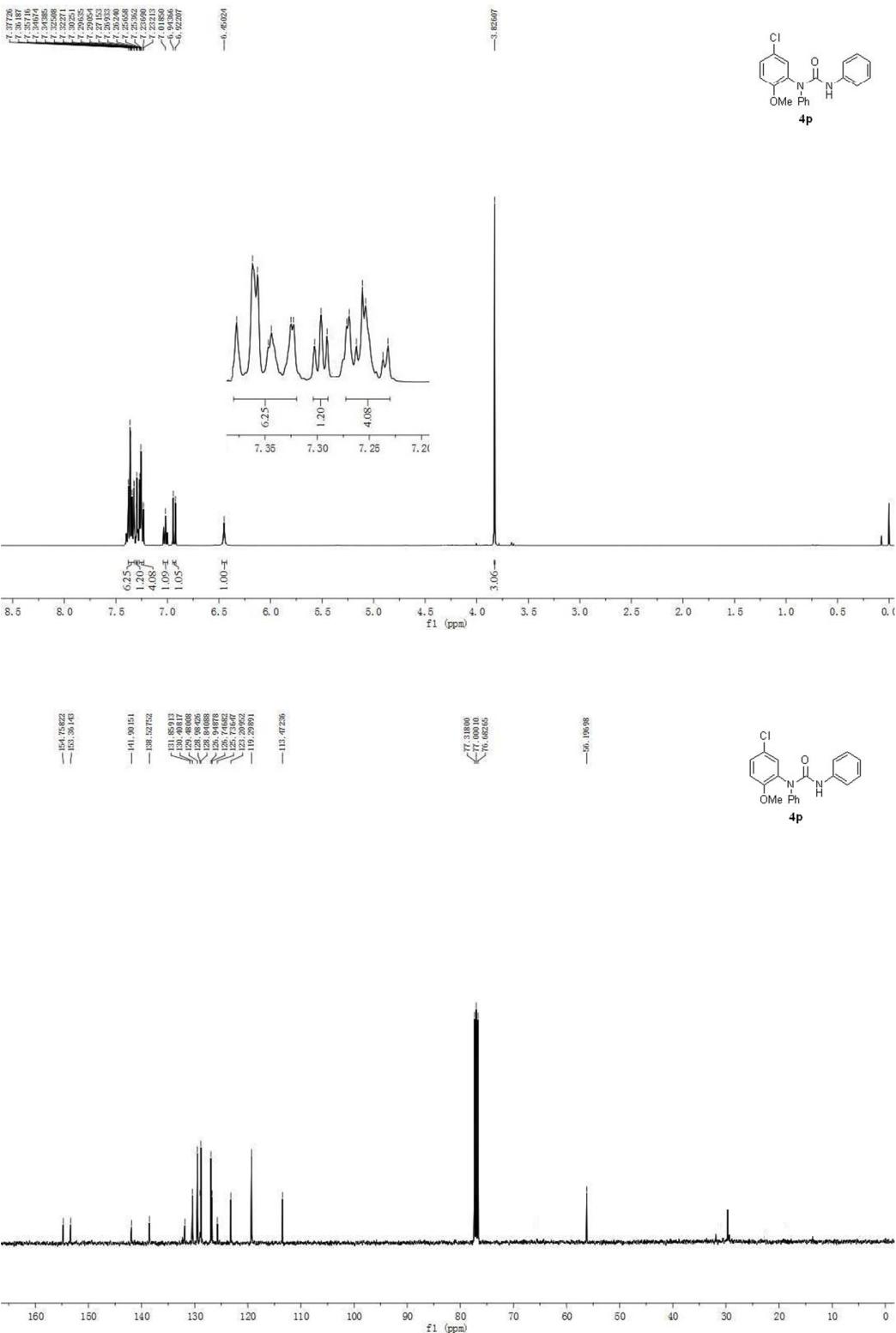






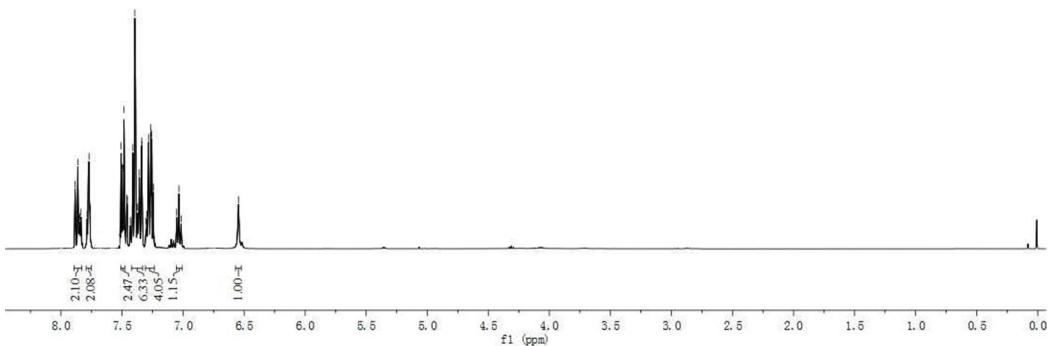
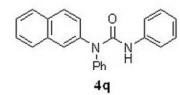






7.80449  
7.80213  
7.80144  
7.80140  
7.78584  
7.77556  
7.76966  
7.75299

—  
4.54656



— HS3 000668  
— 142.41076  
— 89.94  
— 138.41855  
— 129.59102  
— 129.59122  
— 129.59125  
— 127.88356  
— 127.79903  
— 127.68705  
— 126.99969  
— 126.99970  
— 126.99964  
— 126.94880  
— 126.94881  
— 126.94882

— 77.63127  
— 76.68199

