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-156.2233
-151.2763
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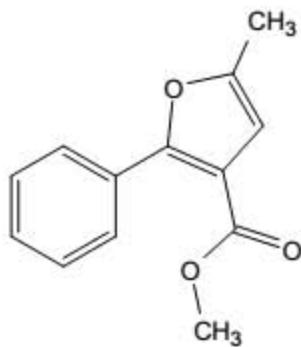
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-114.2222
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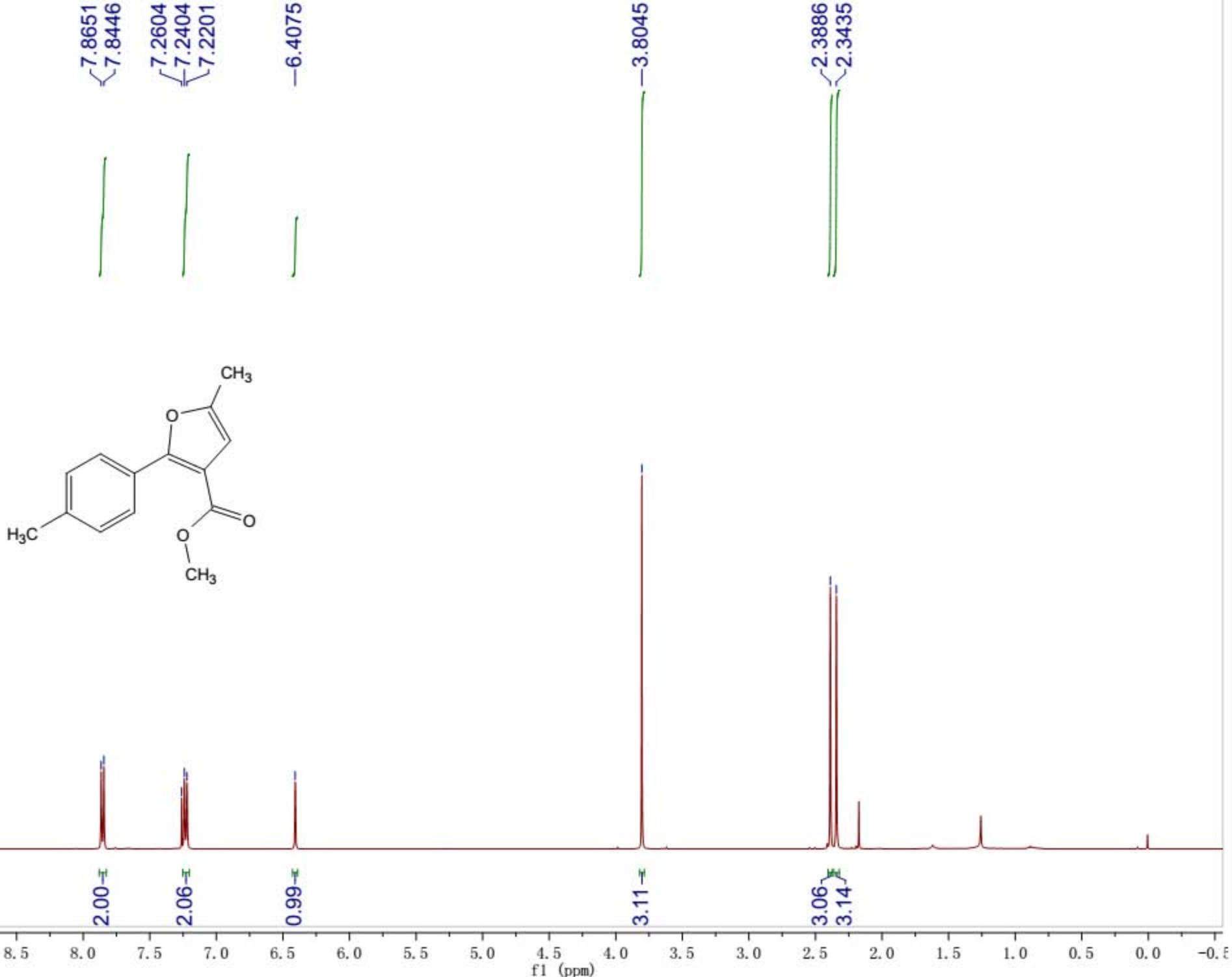
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77.1604
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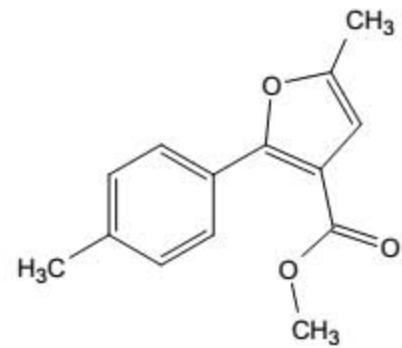
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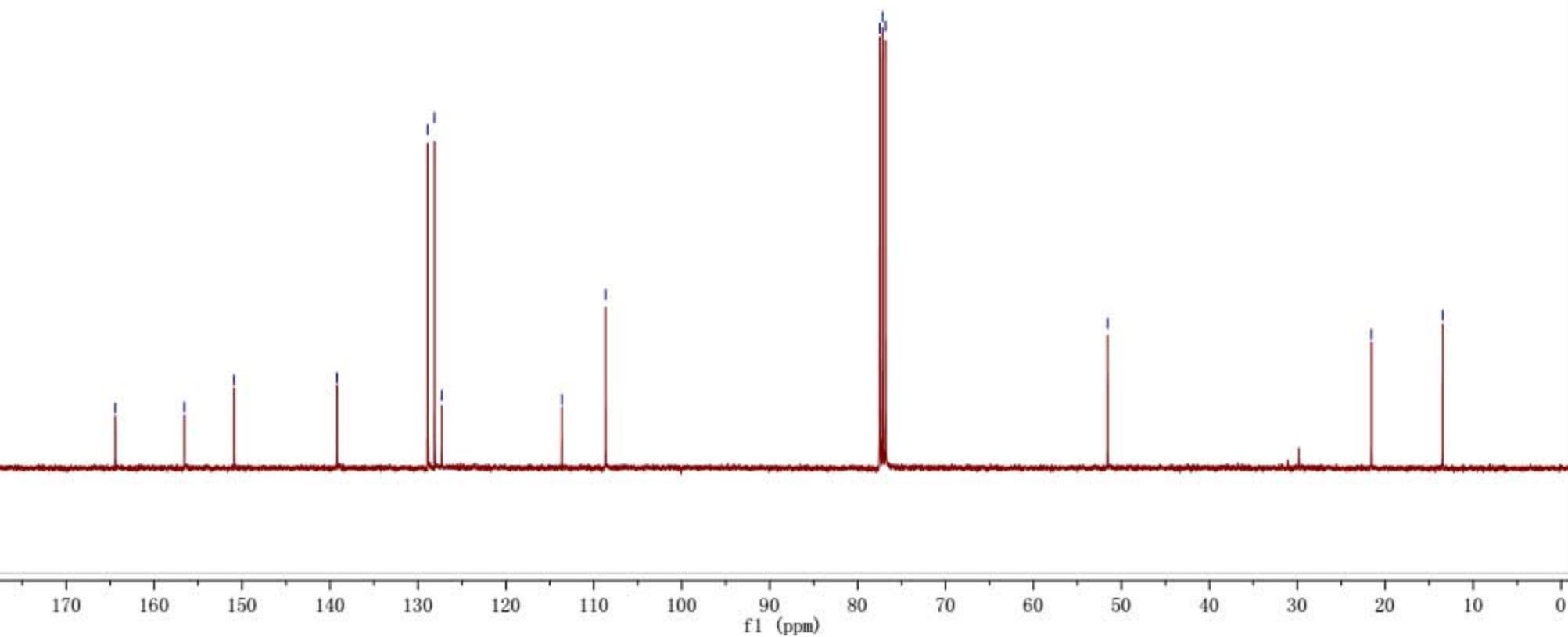


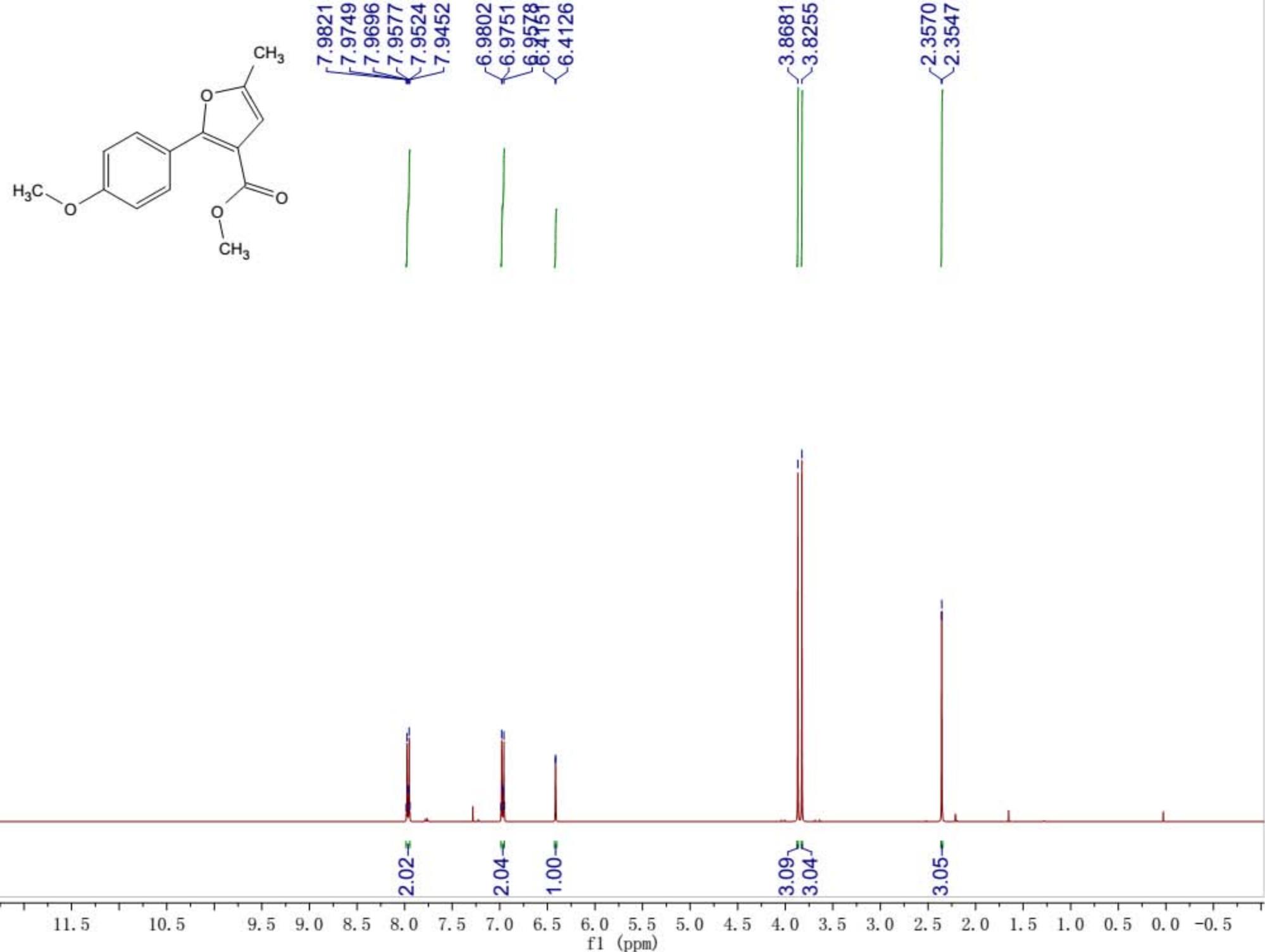
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f1 (ppm)

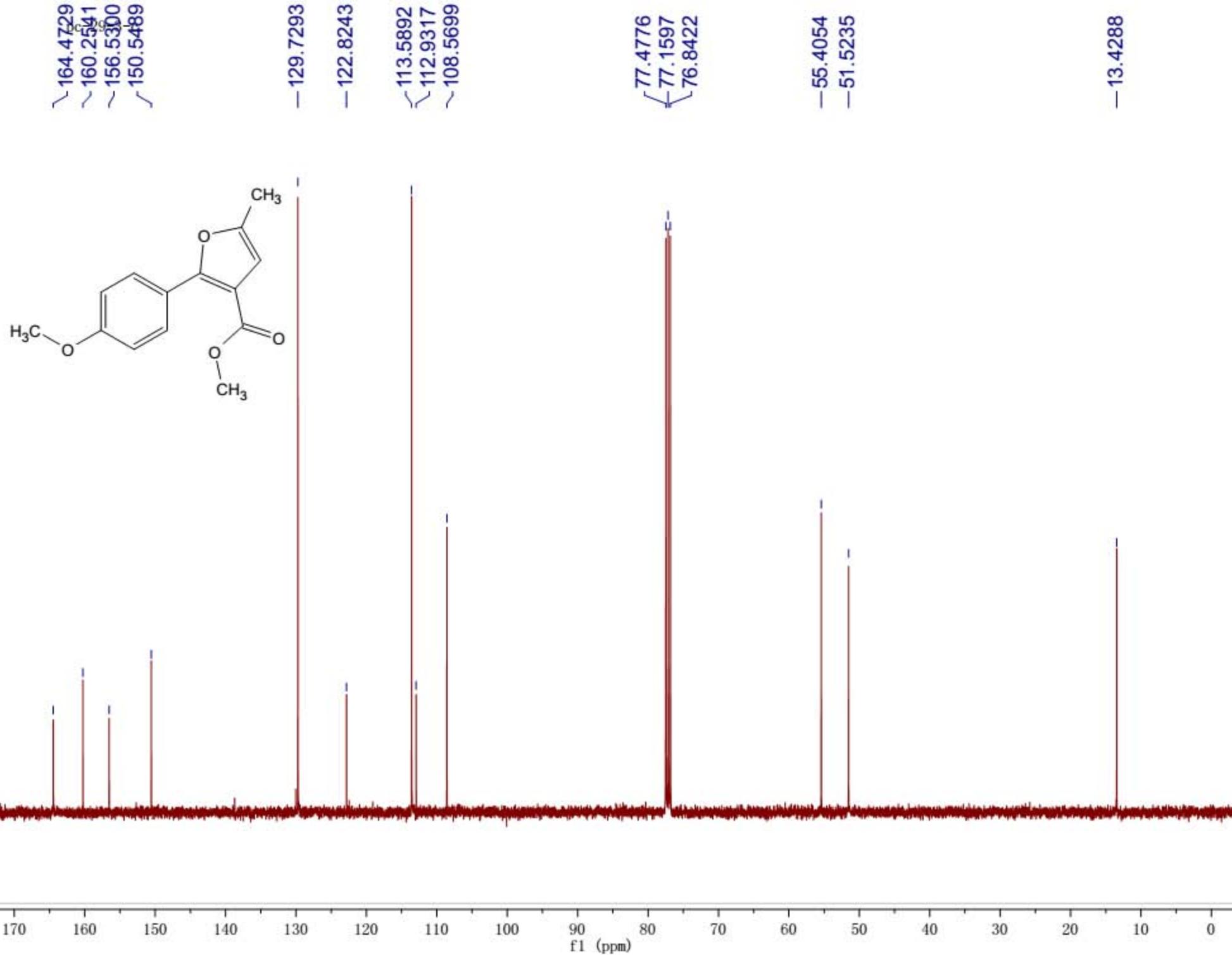


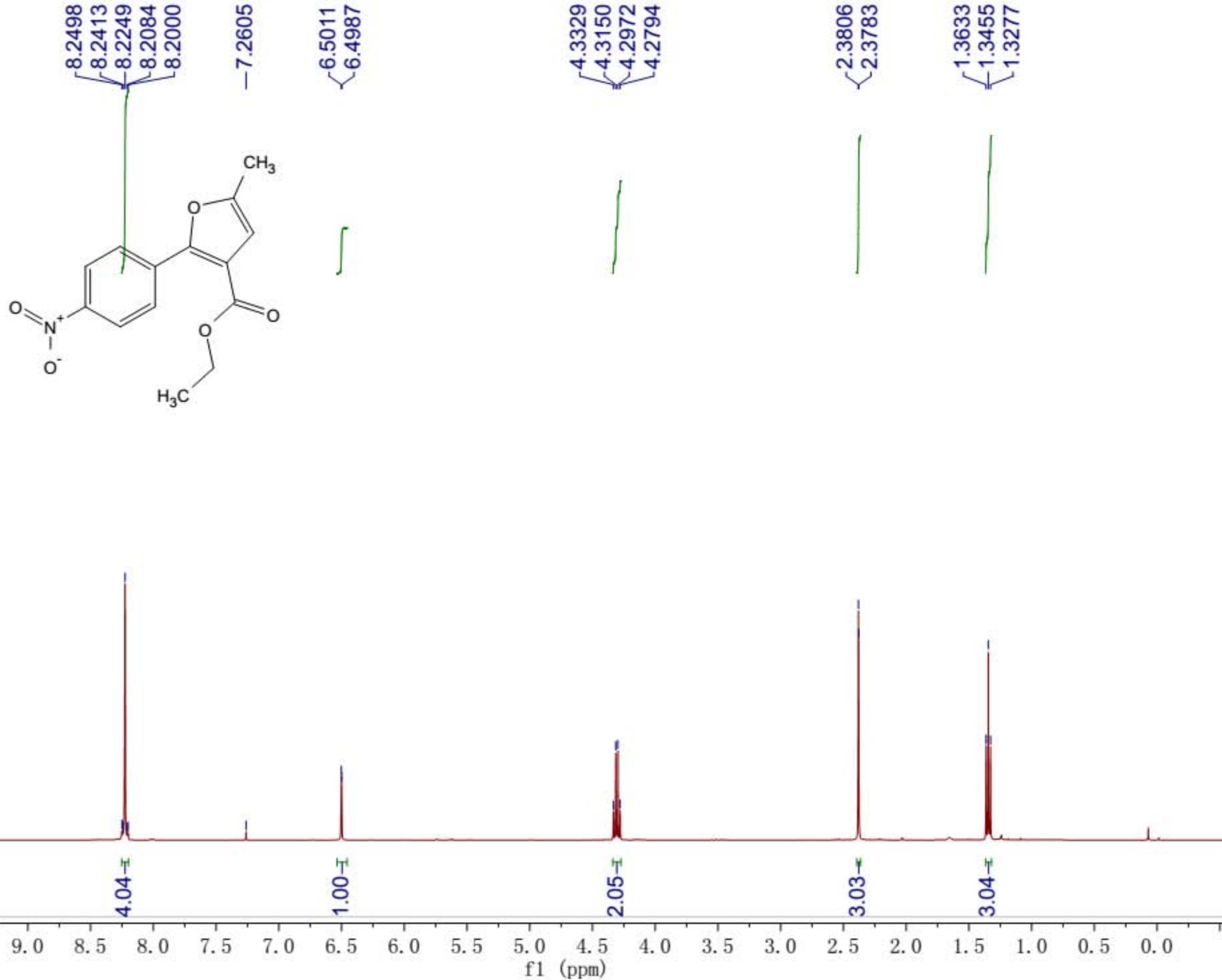


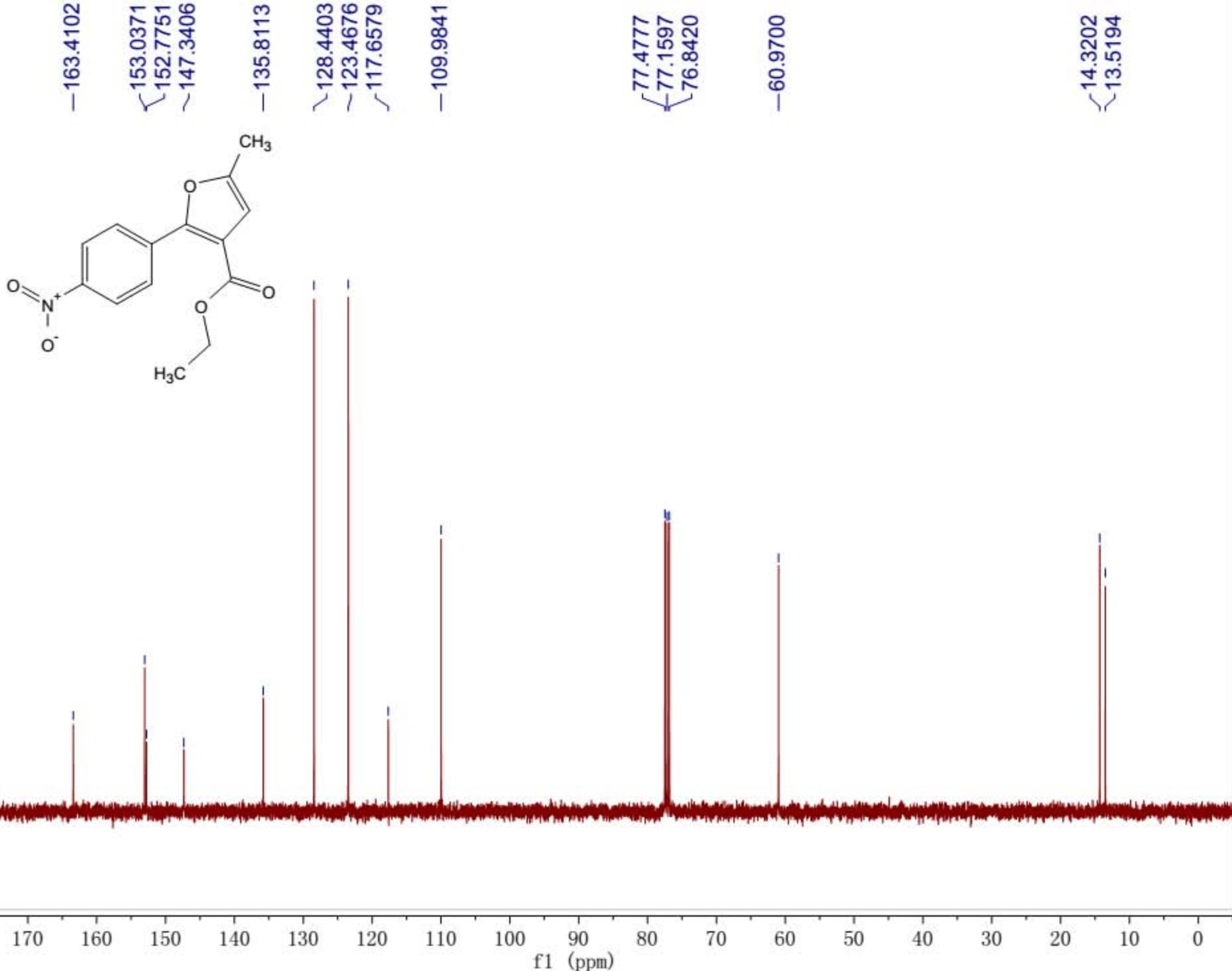
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—156.5588
—150.9083
—139.1992
/ 128.9013
—\ 128.1073
/ \ 127.3127
—113.6359
—108.6726
/ 77.4777
—\ 77.1600
/ \ 76.8423
—51.5708
—21.5509
—13.4728

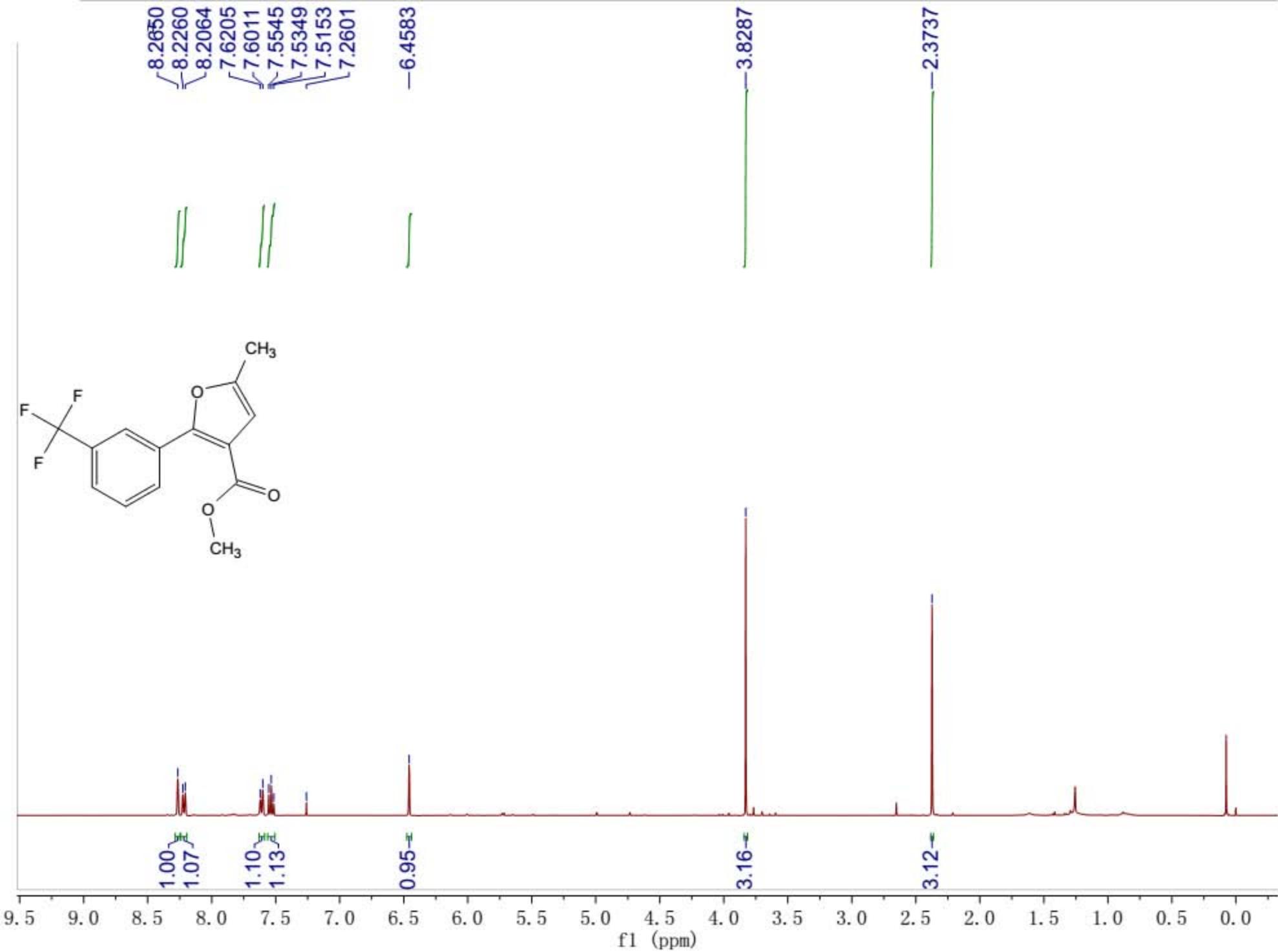


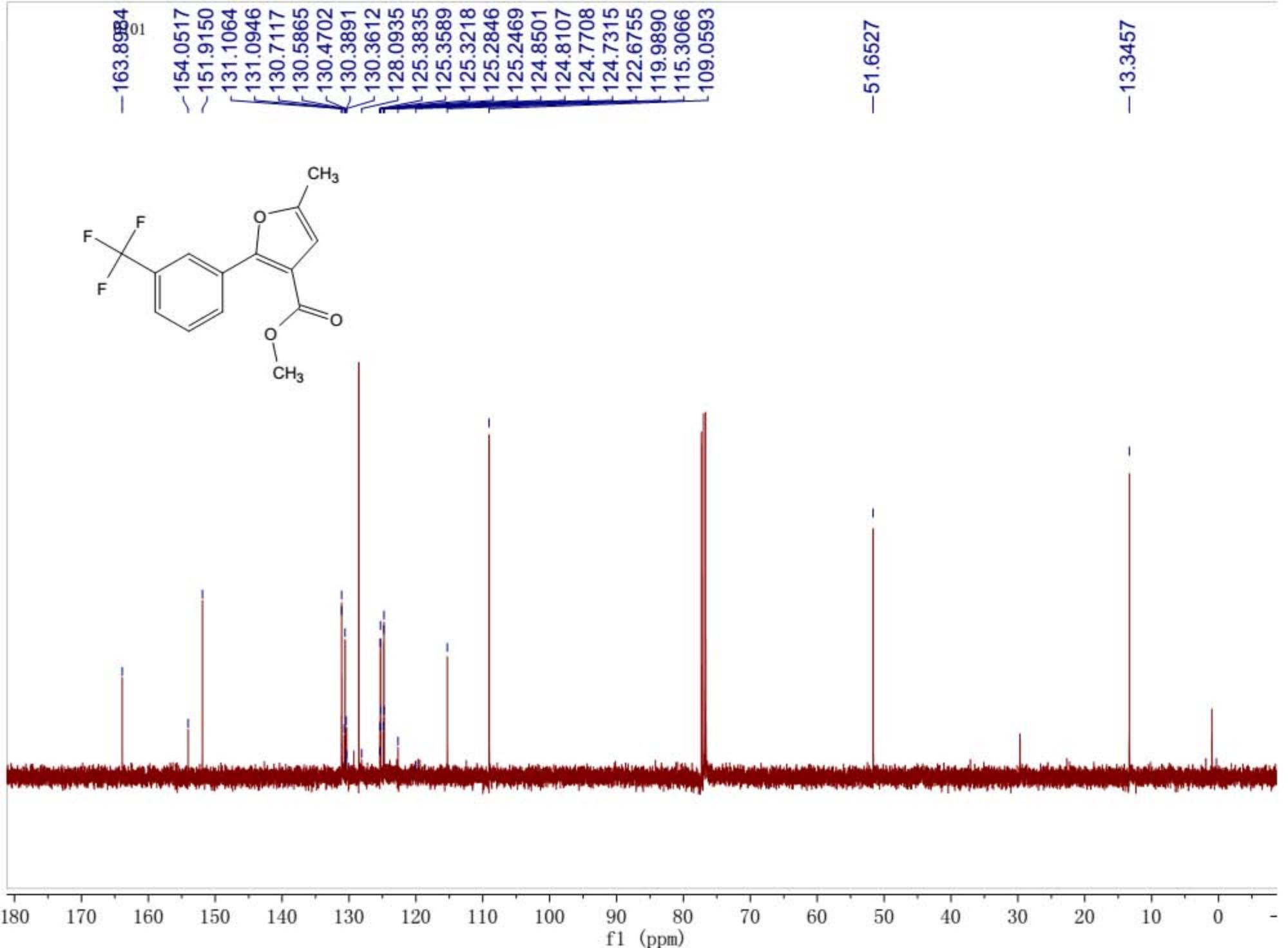


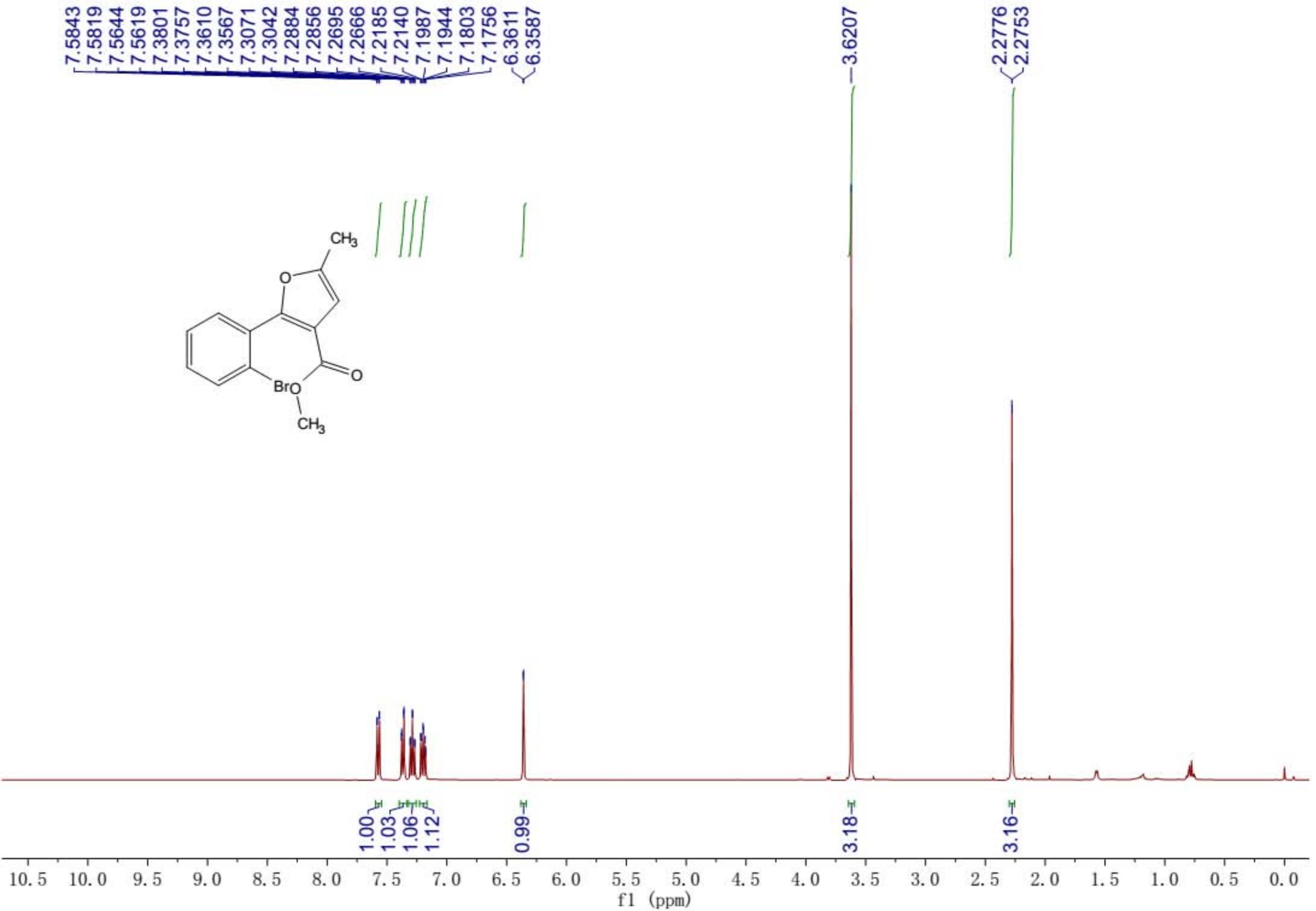


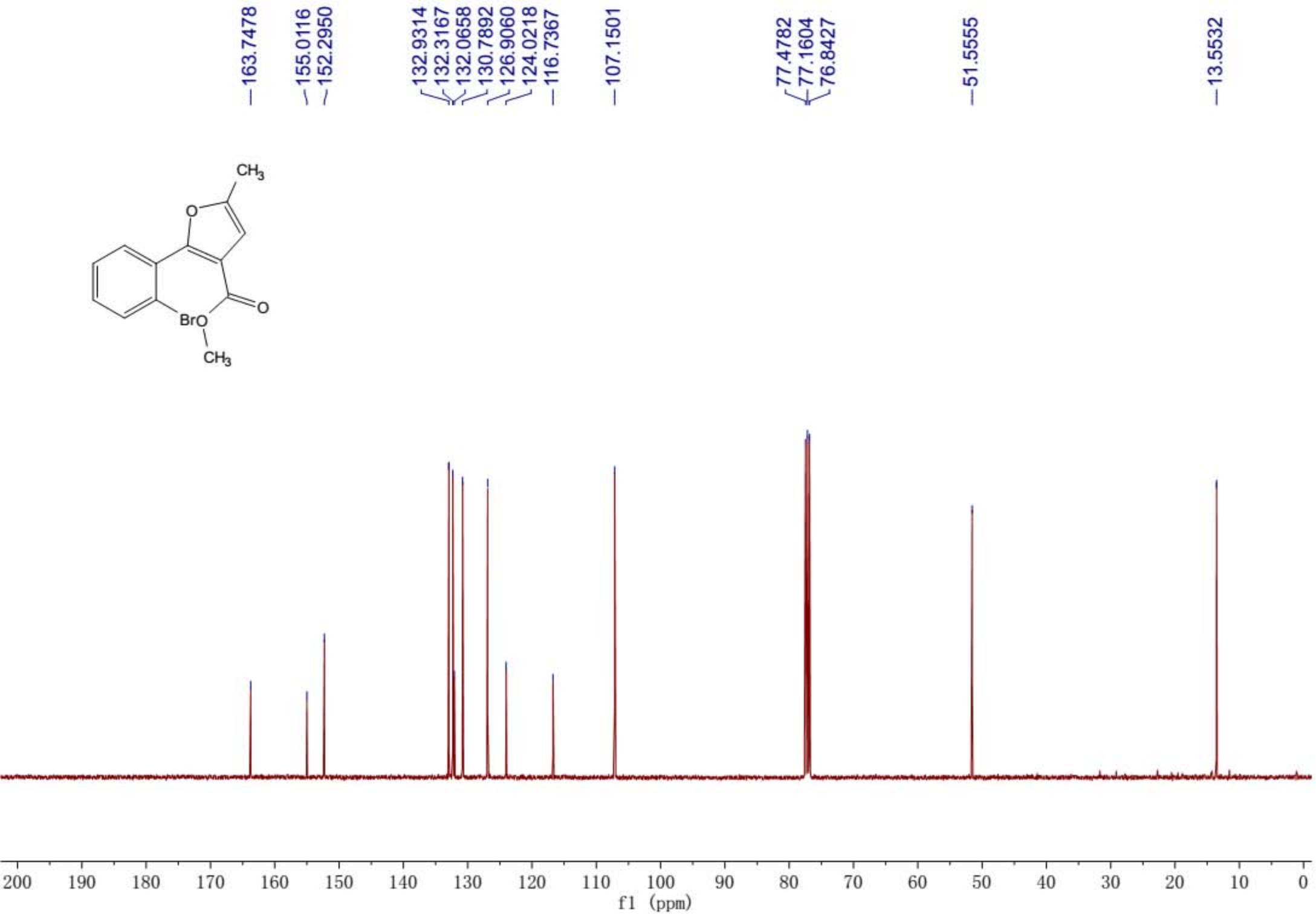
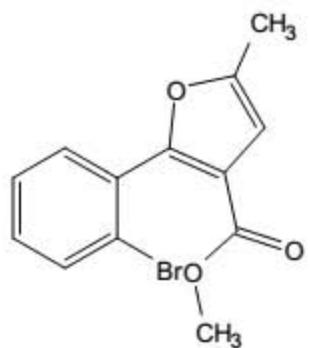


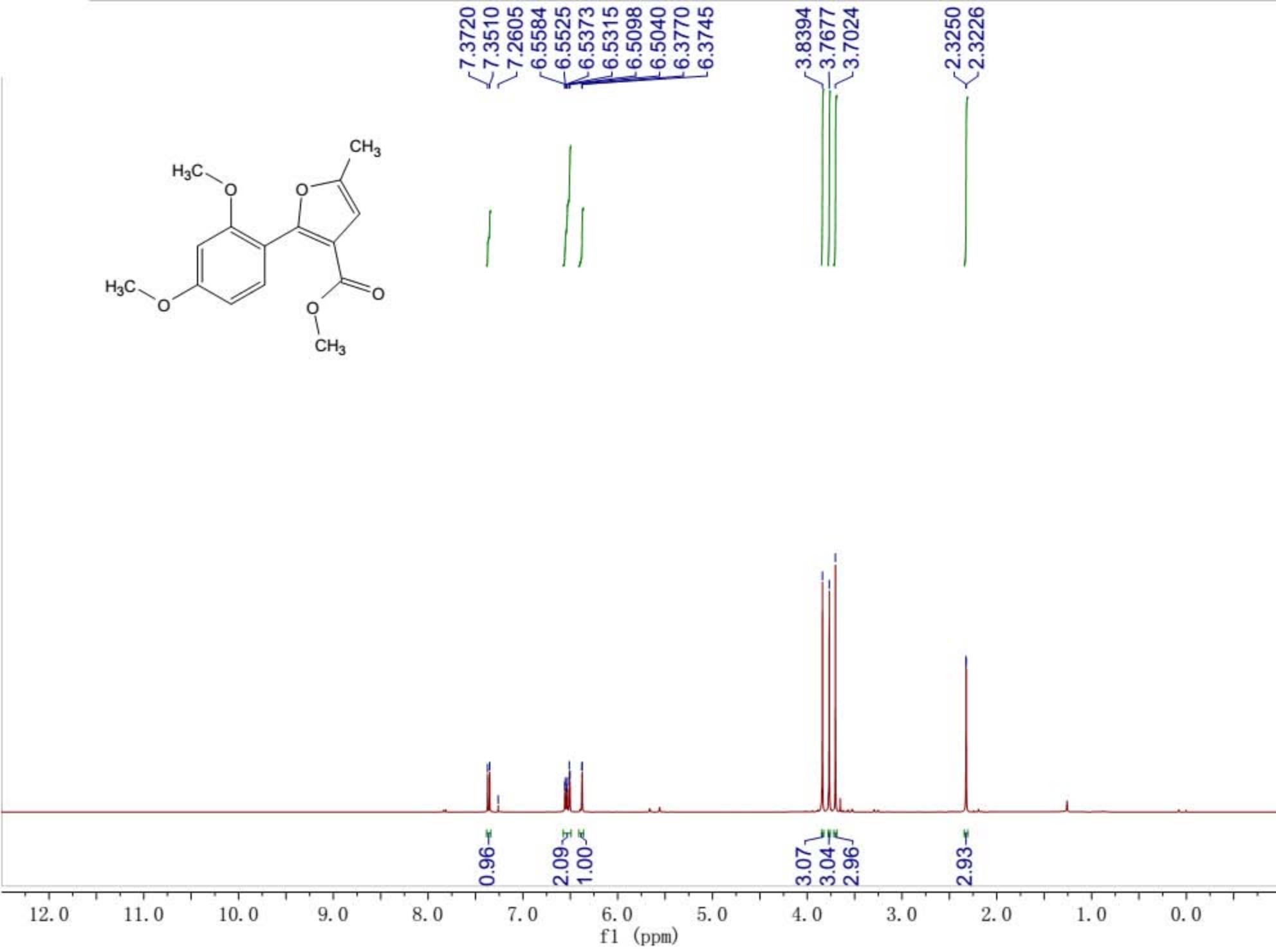
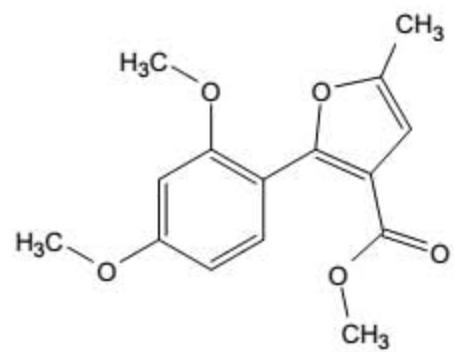


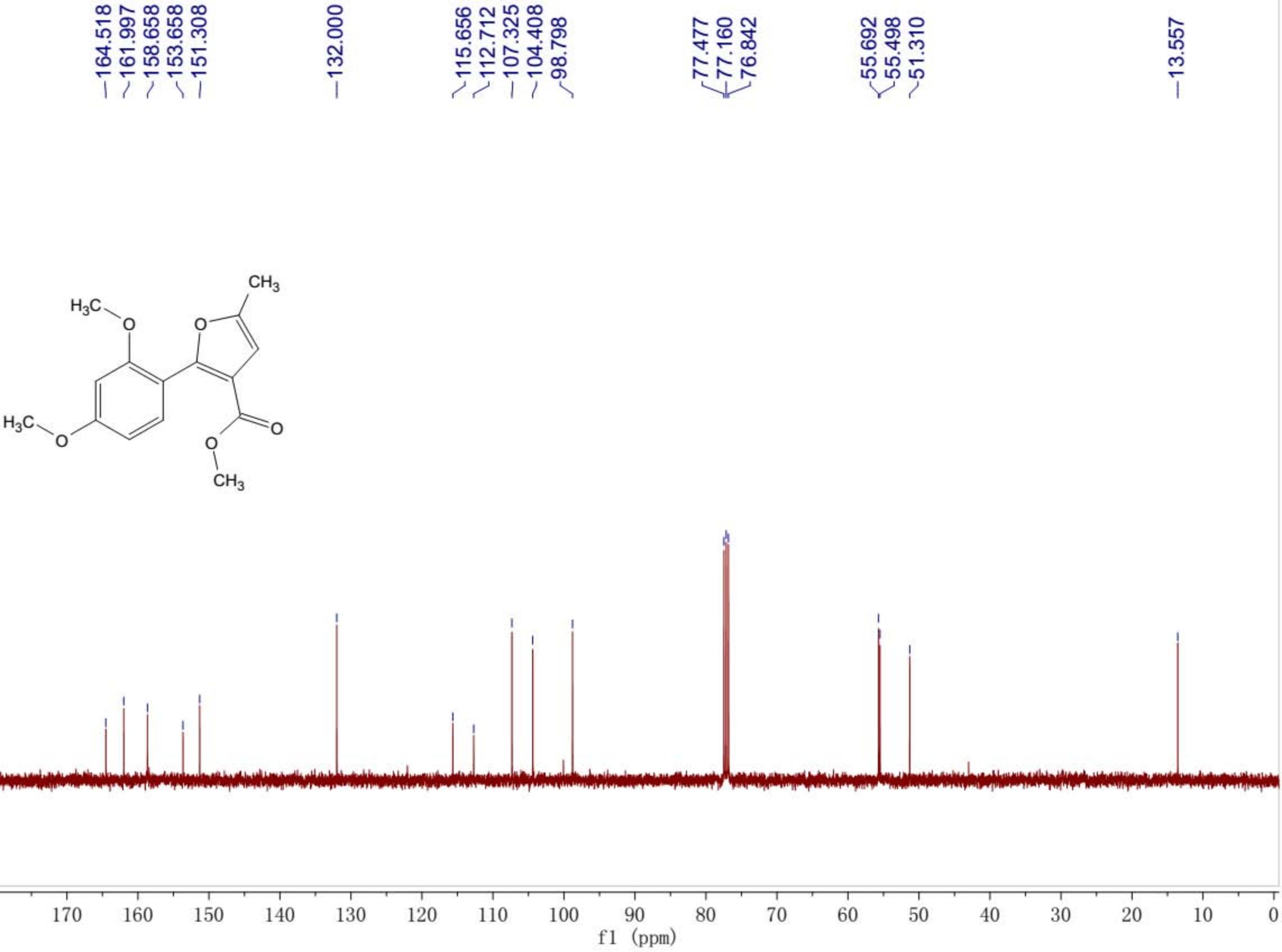


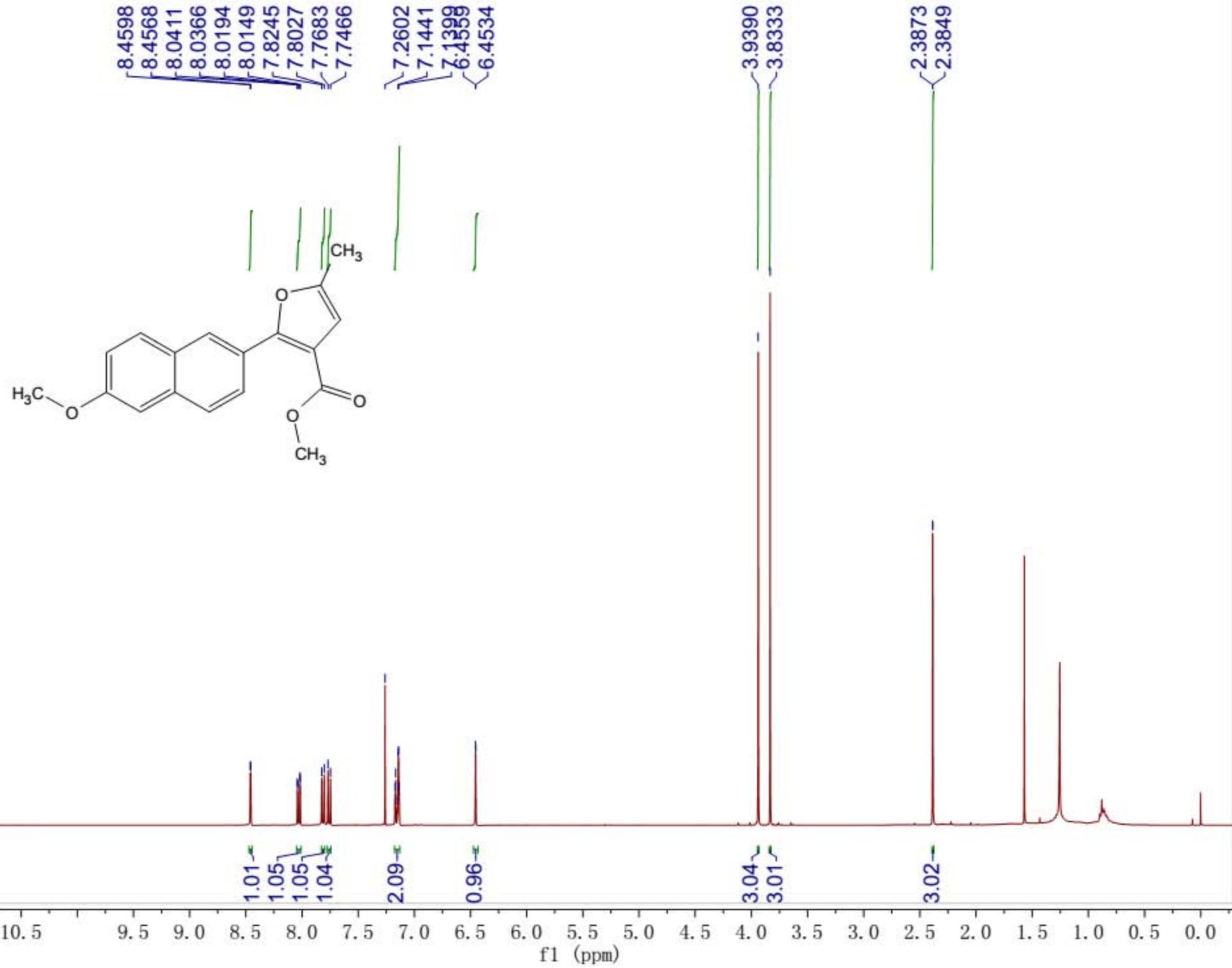












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~156.5658
~151.1117

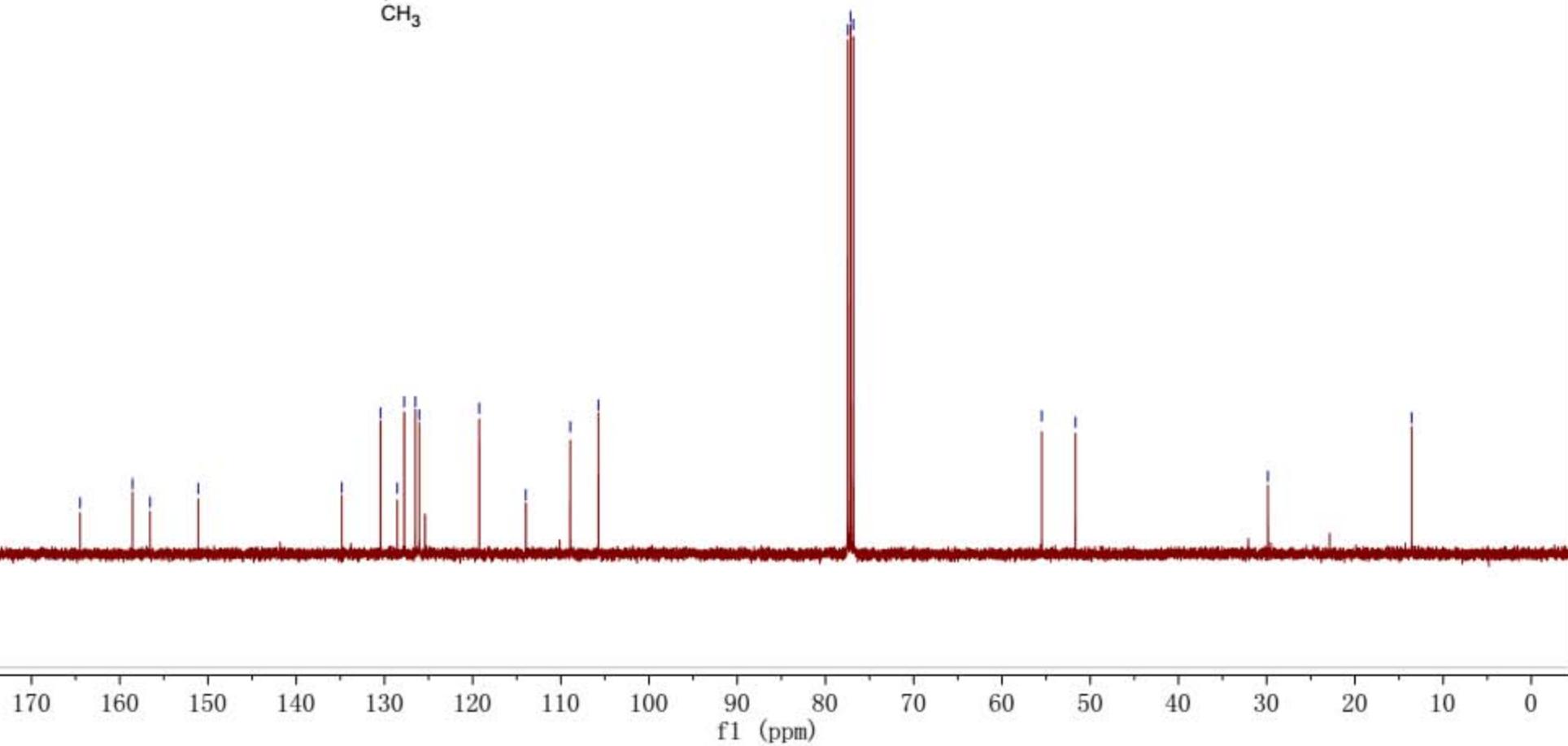
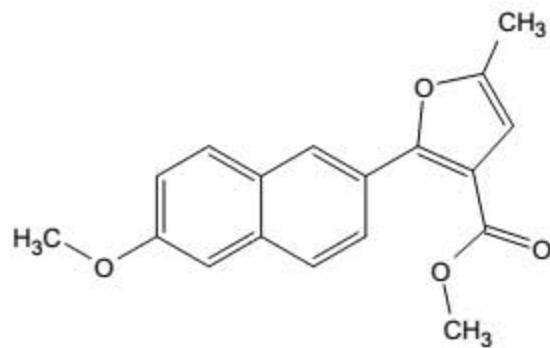
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~105.7463

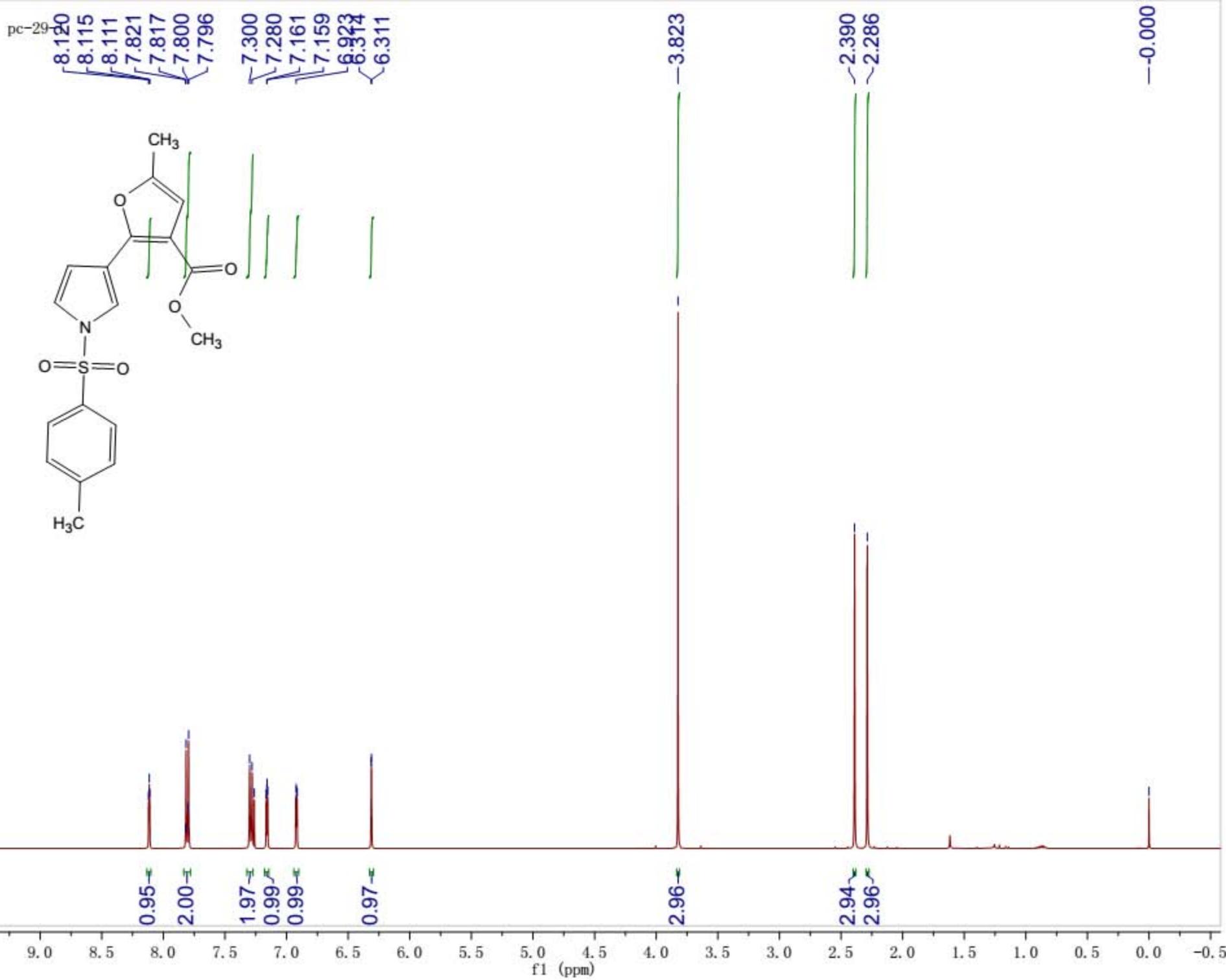
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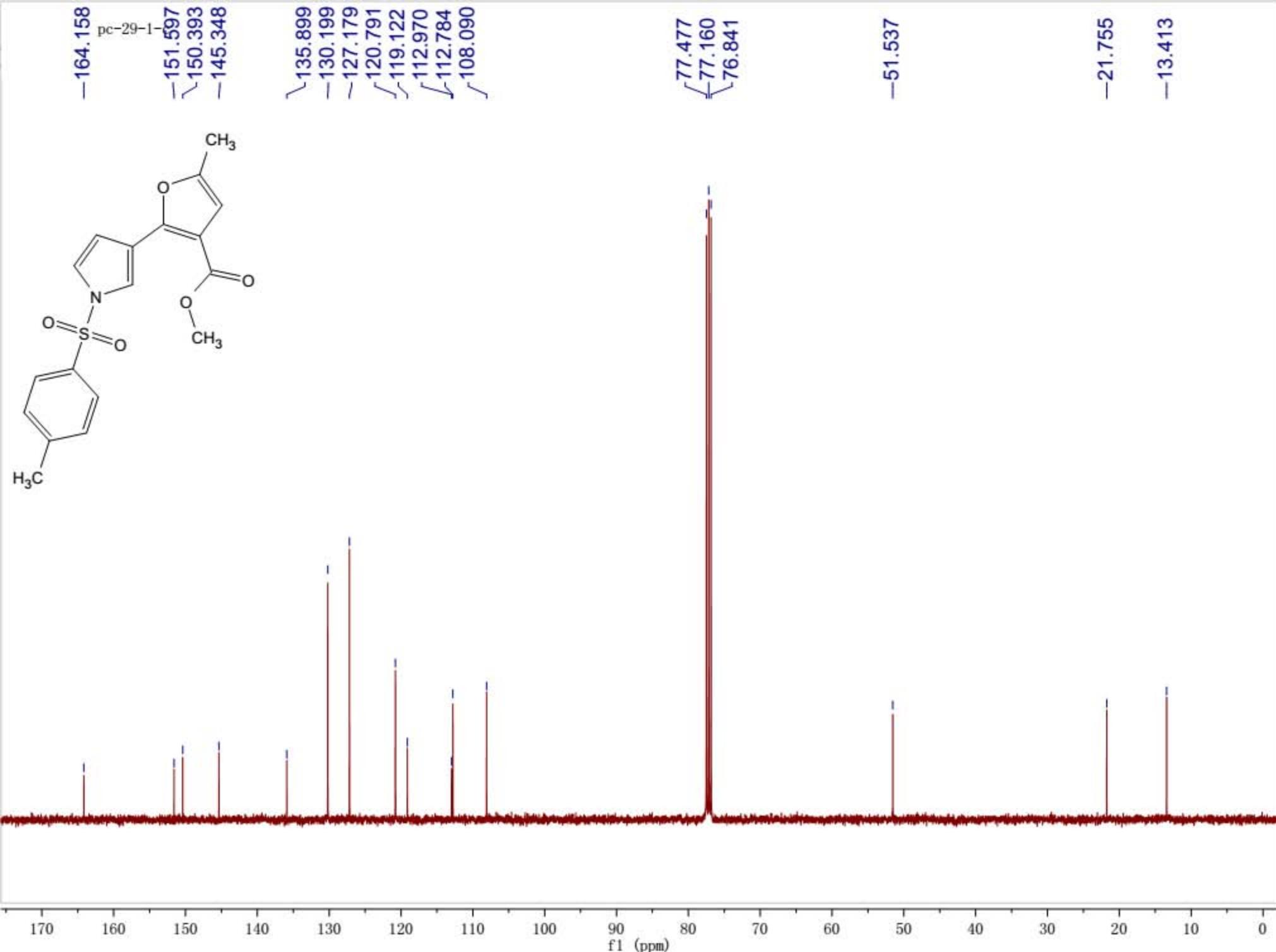
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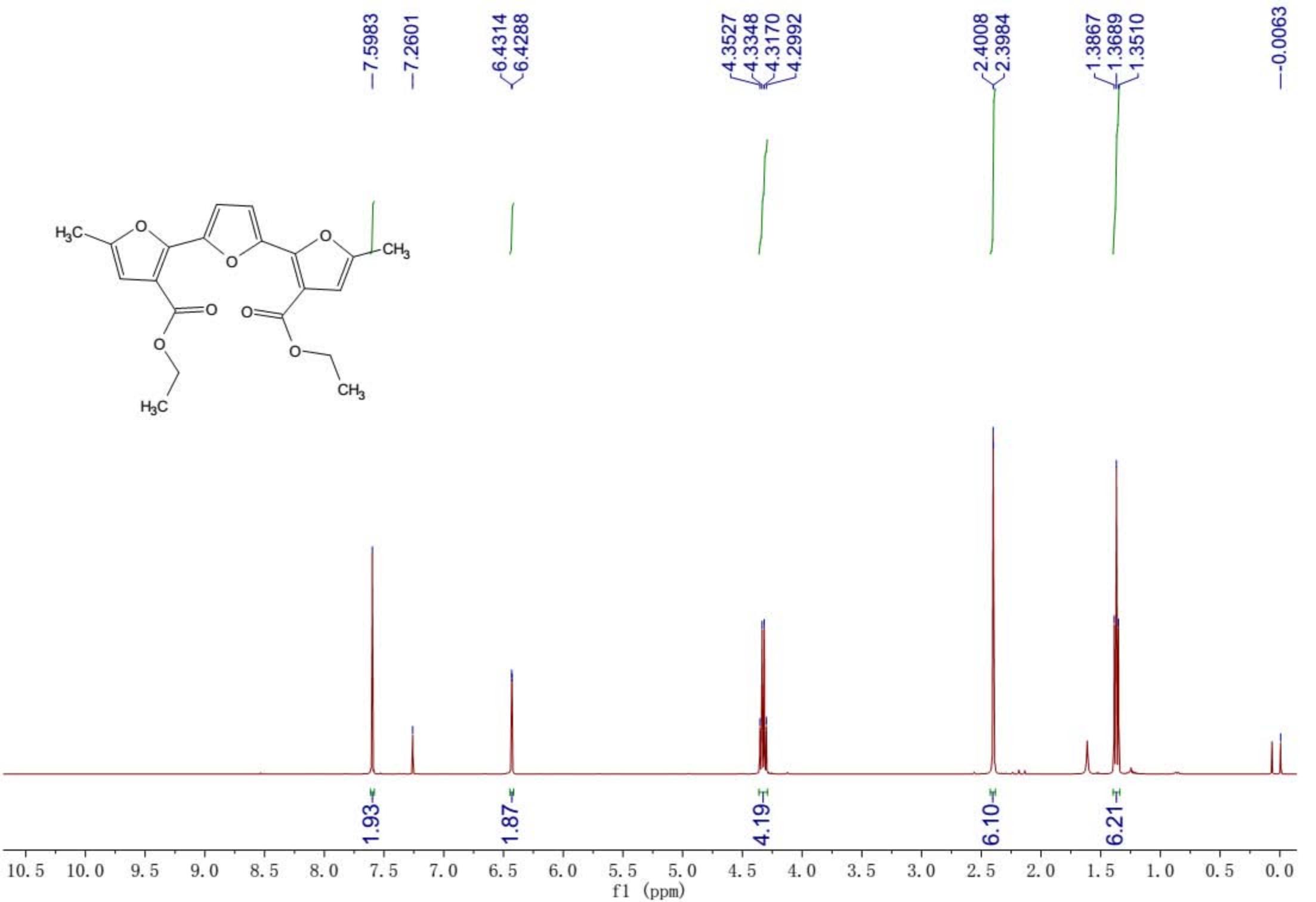
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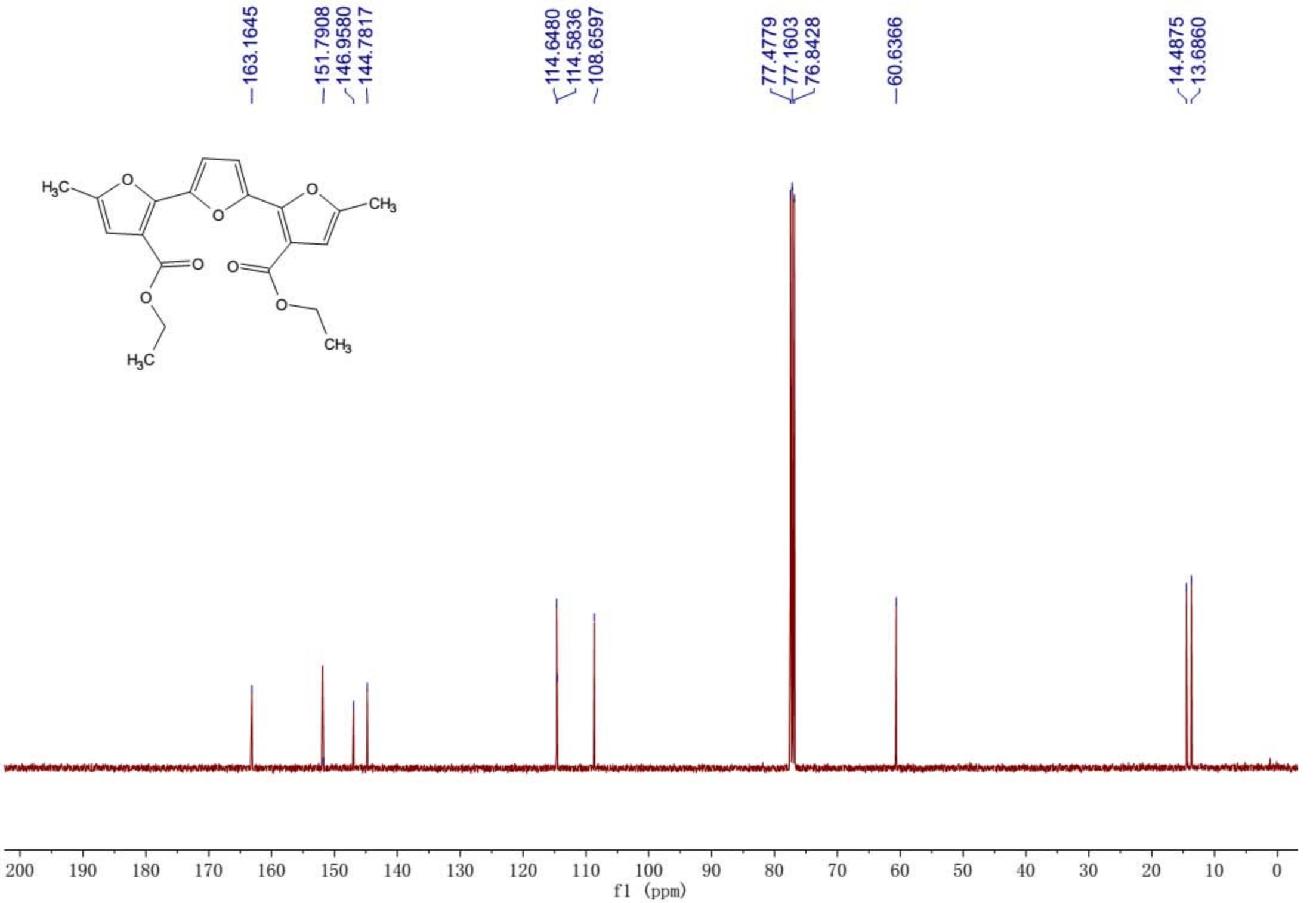
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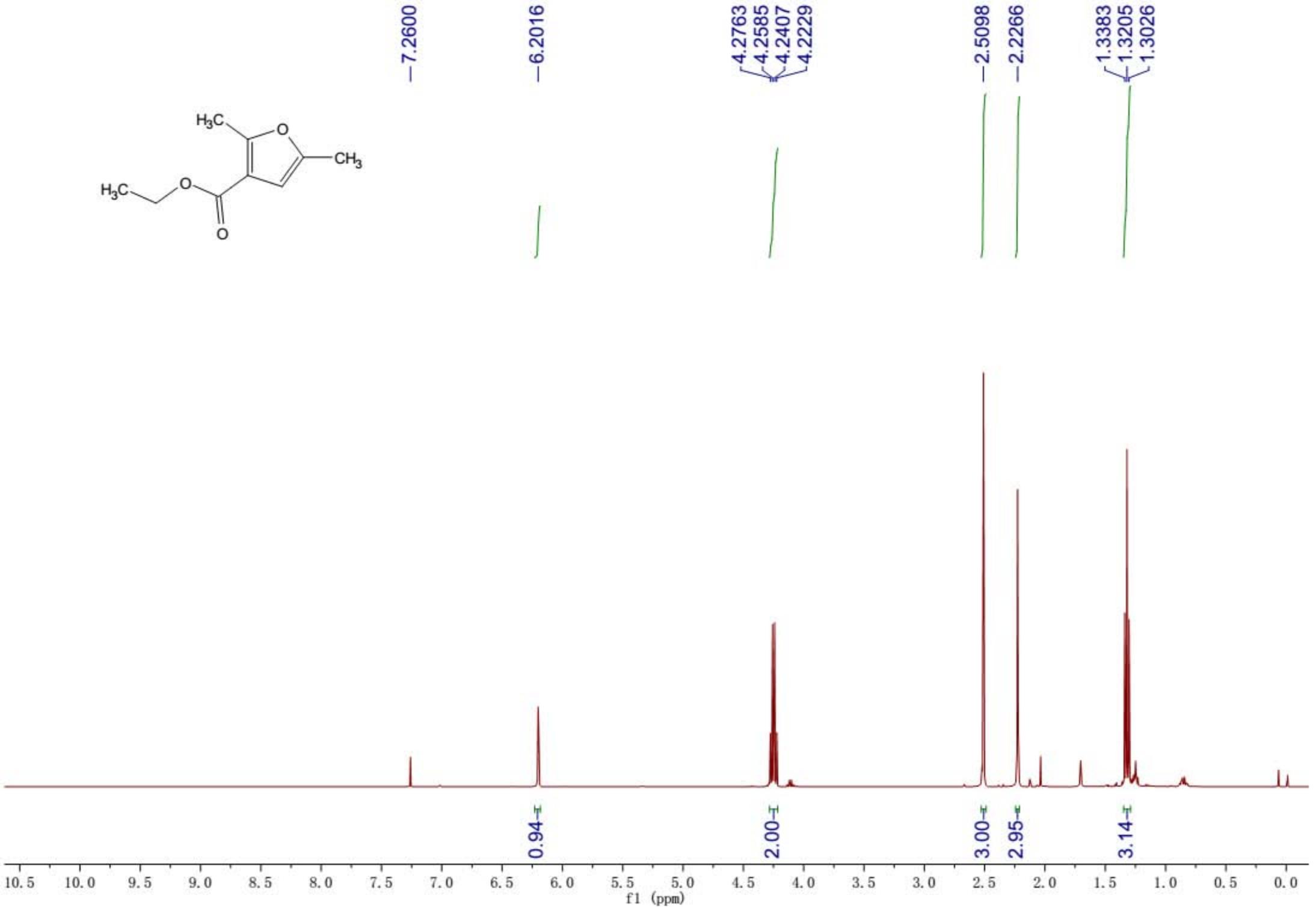
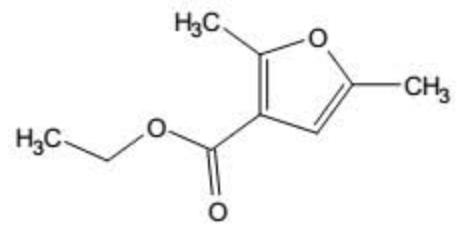


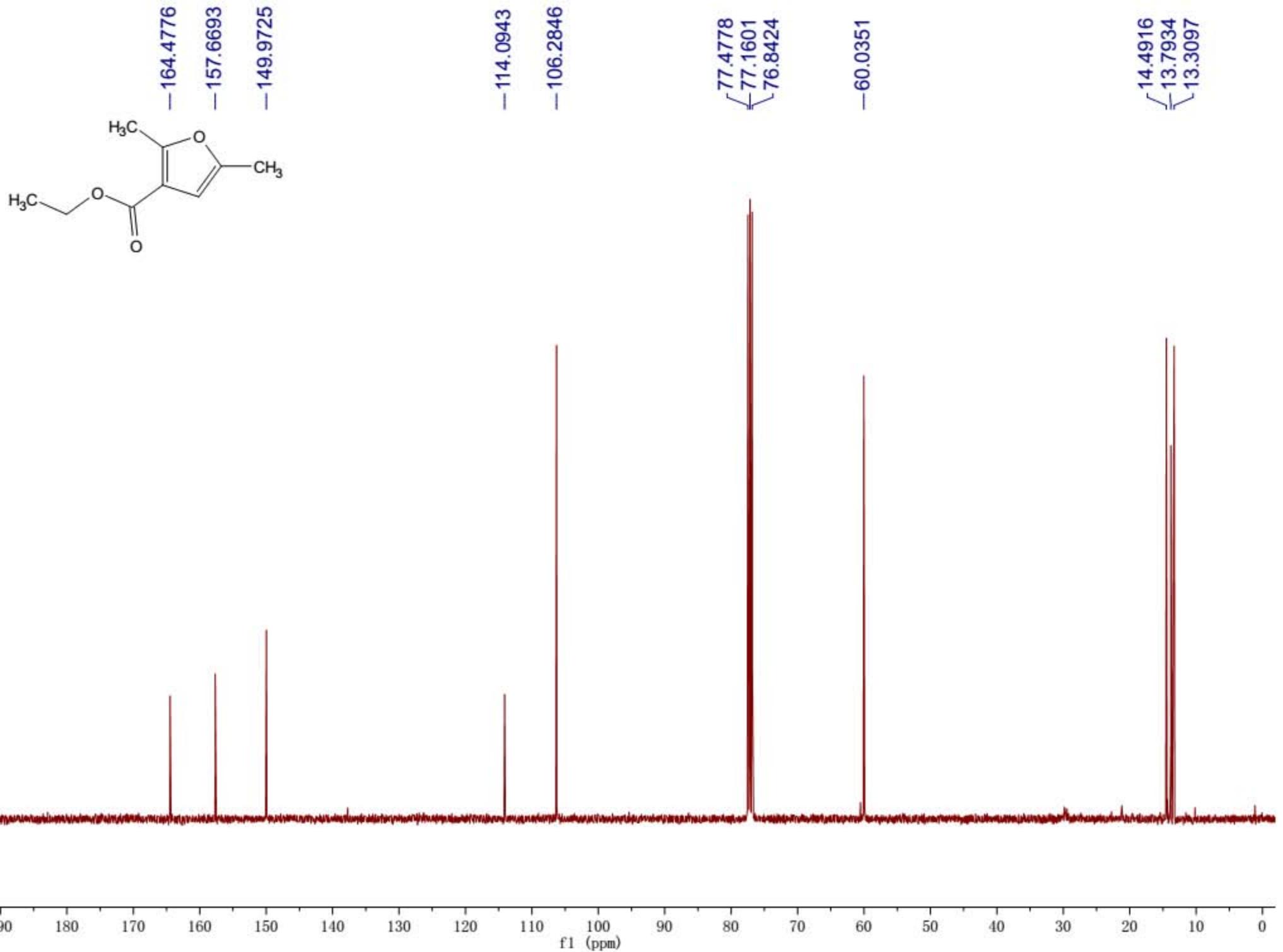


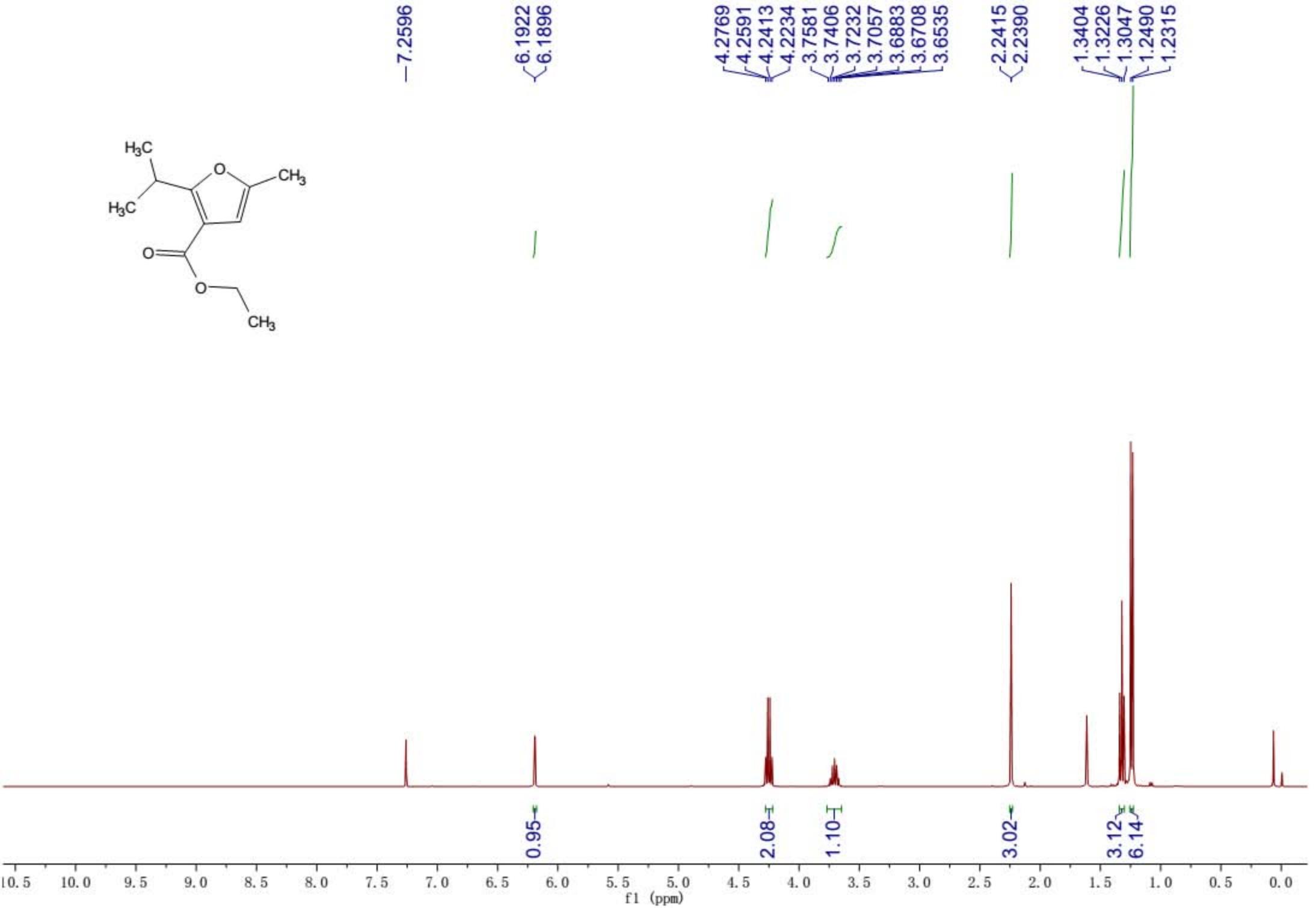
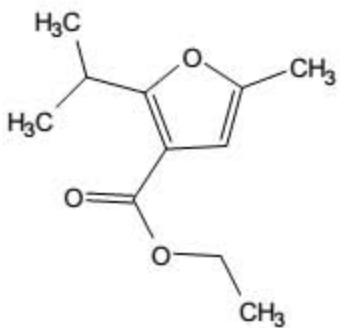


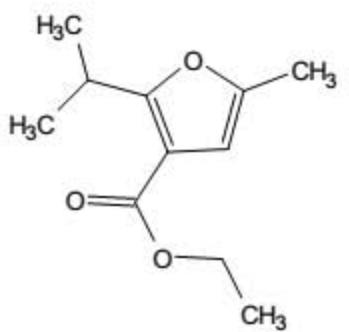












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~164.4032

-149.7687

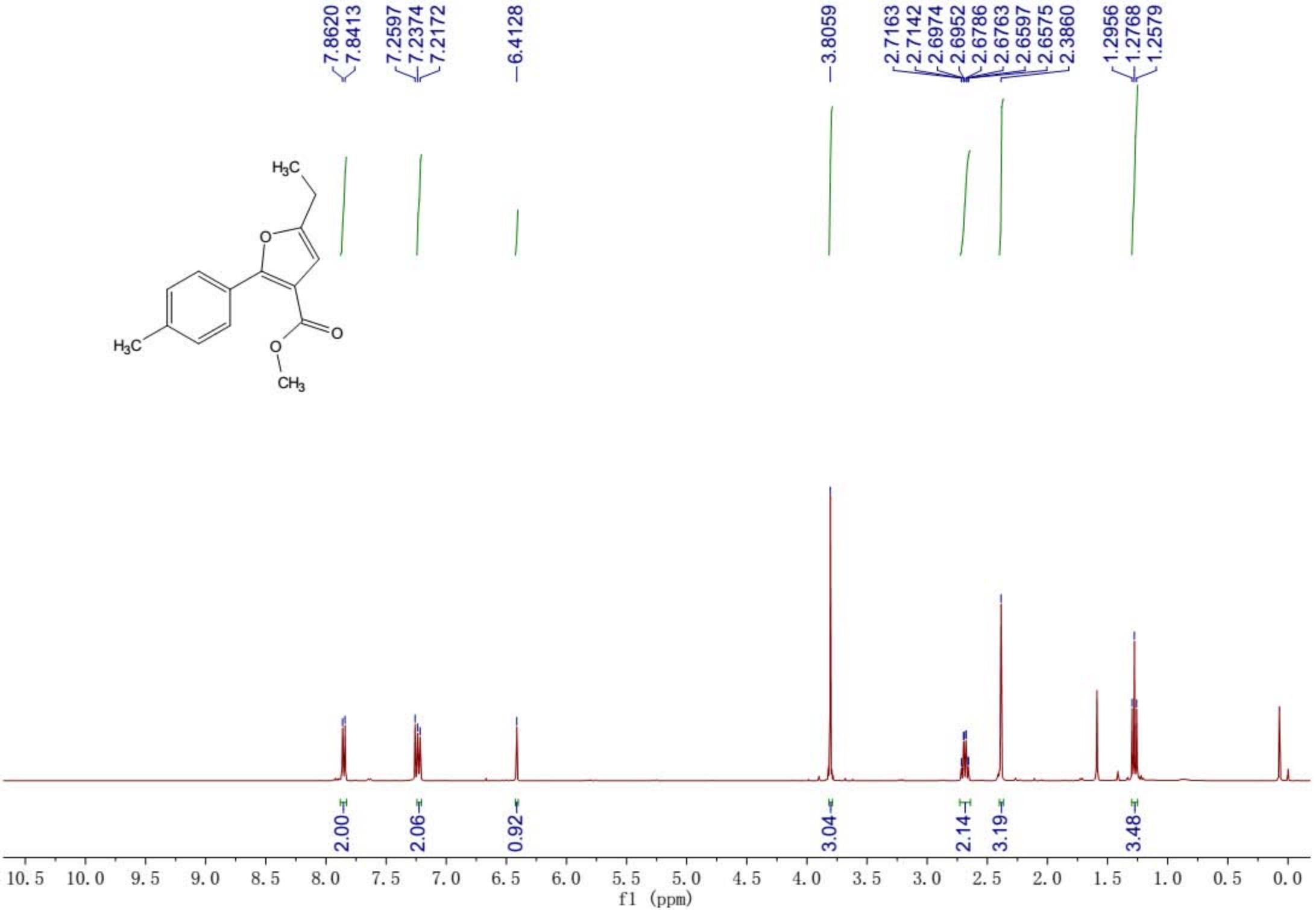
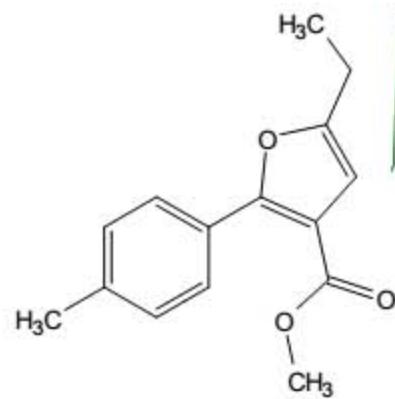
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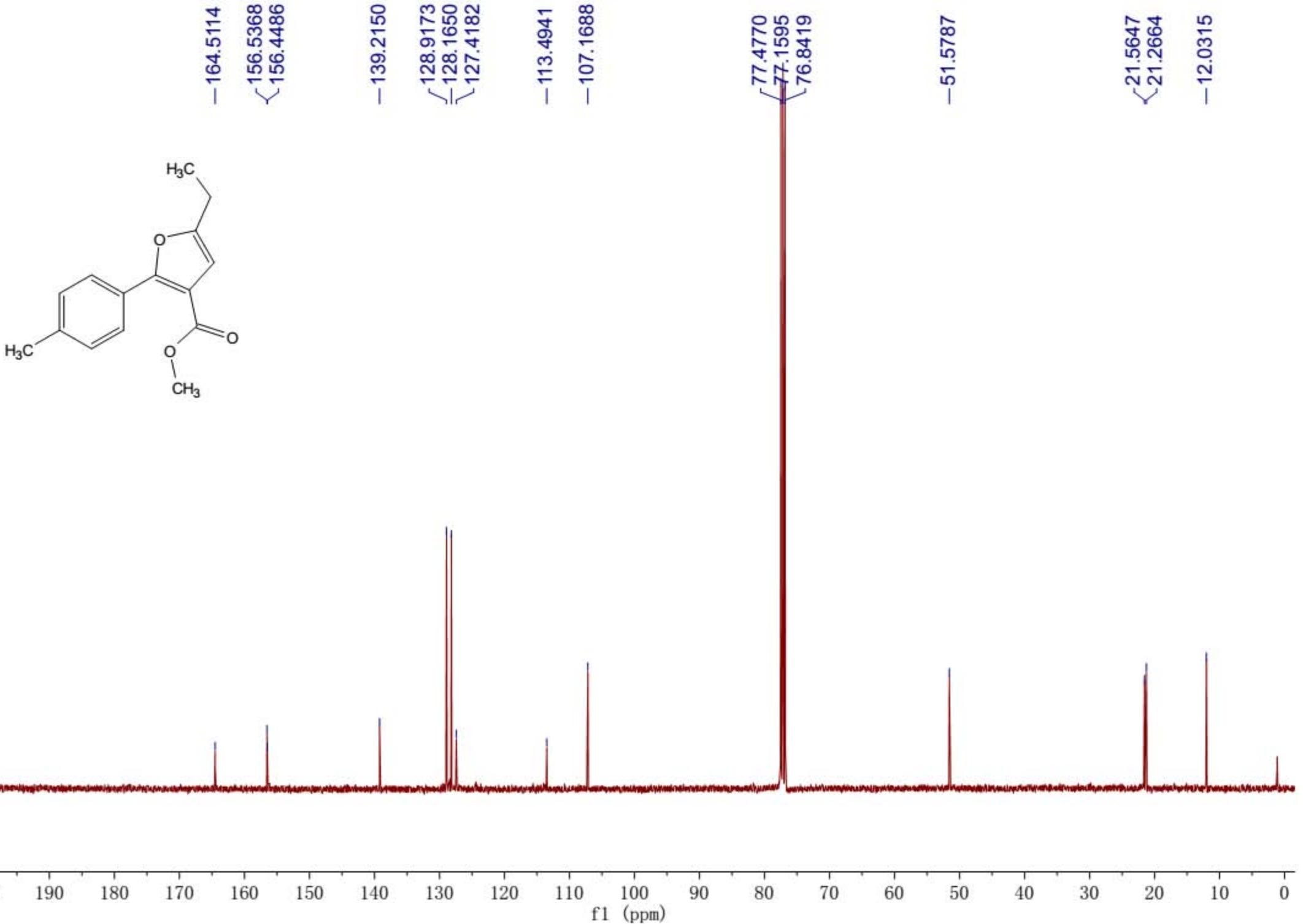
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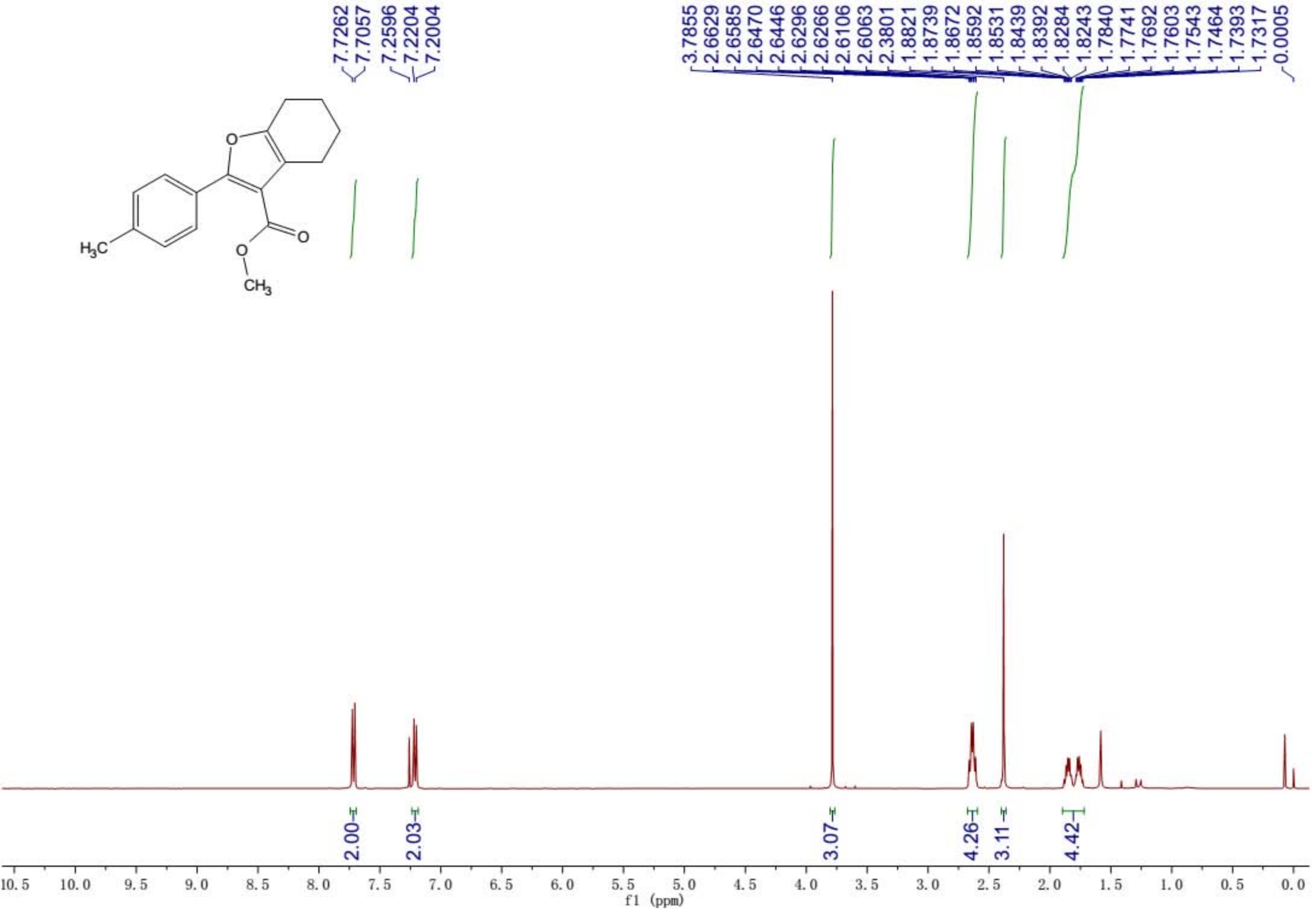
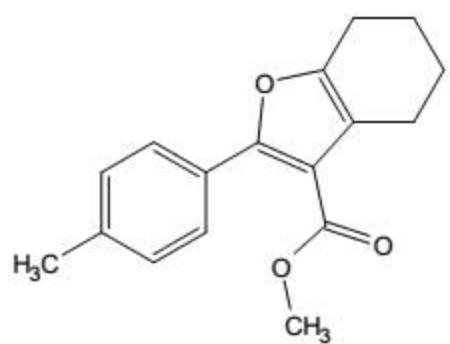
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77.1603
76.8427

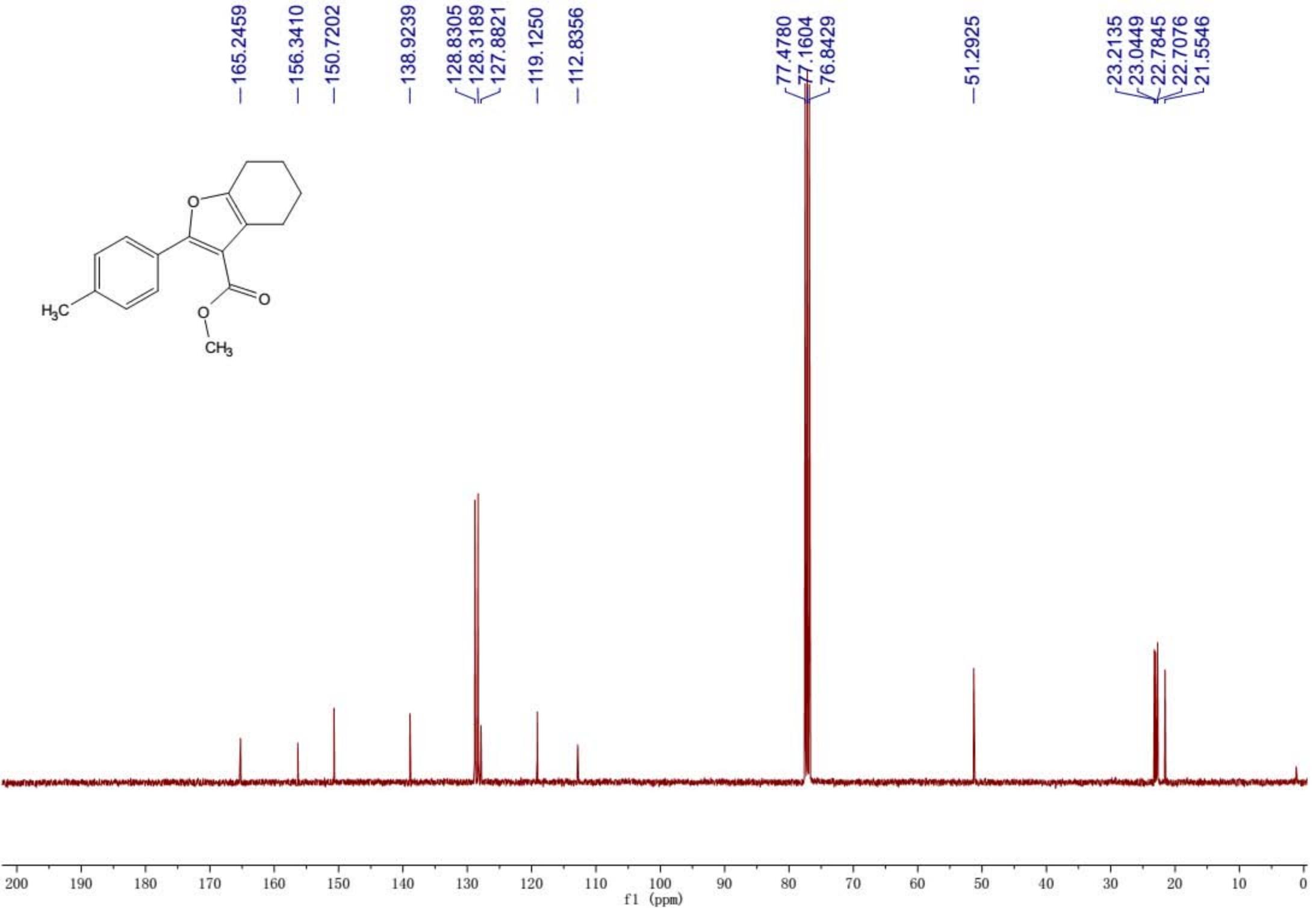
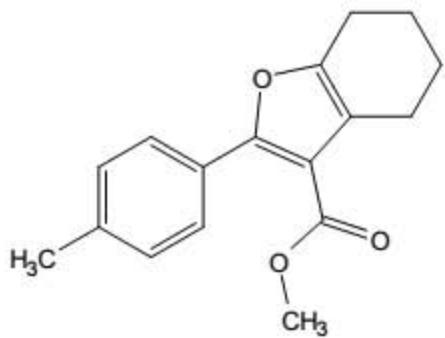
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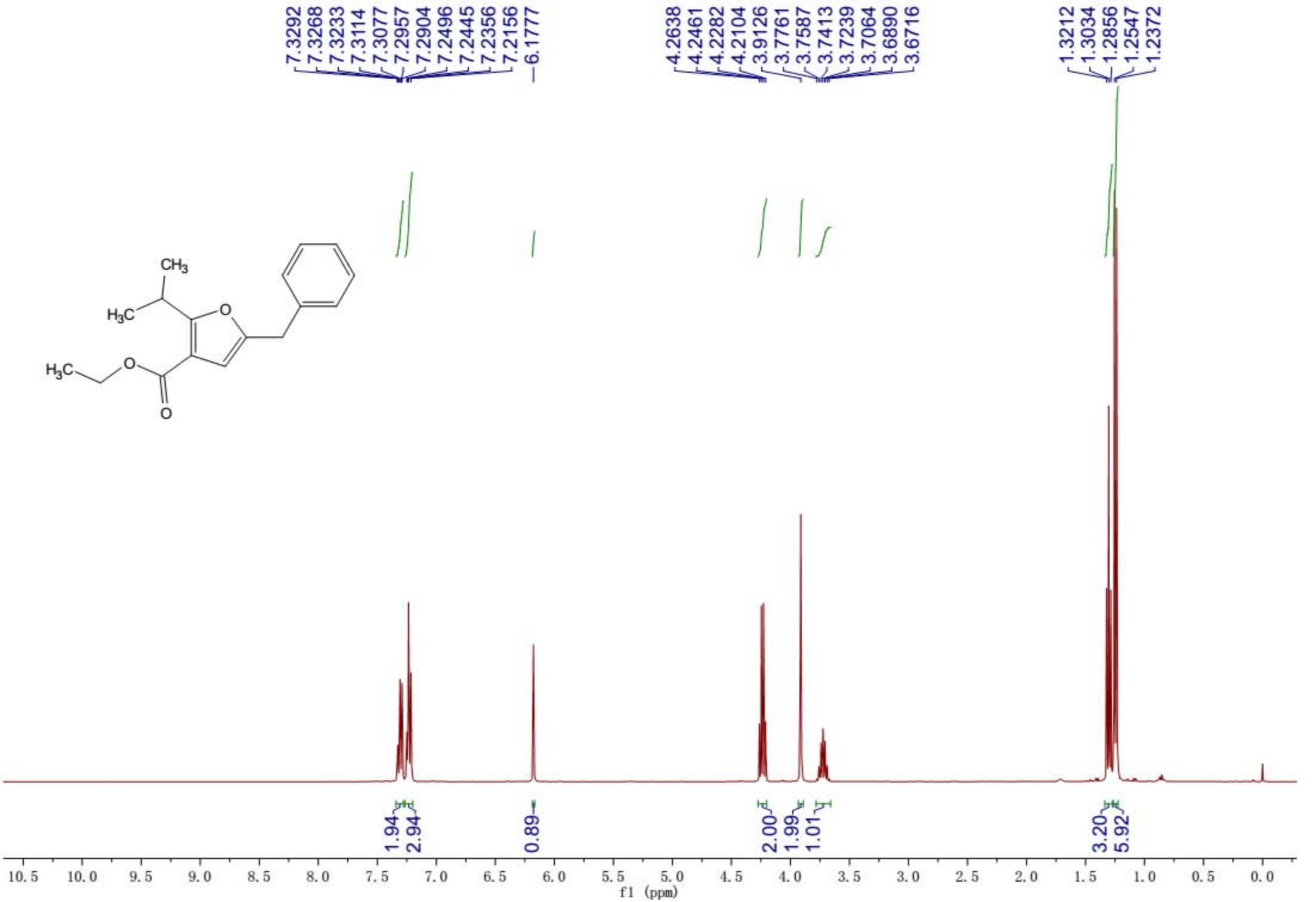
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~20.9733
~14.4941
~13.3763

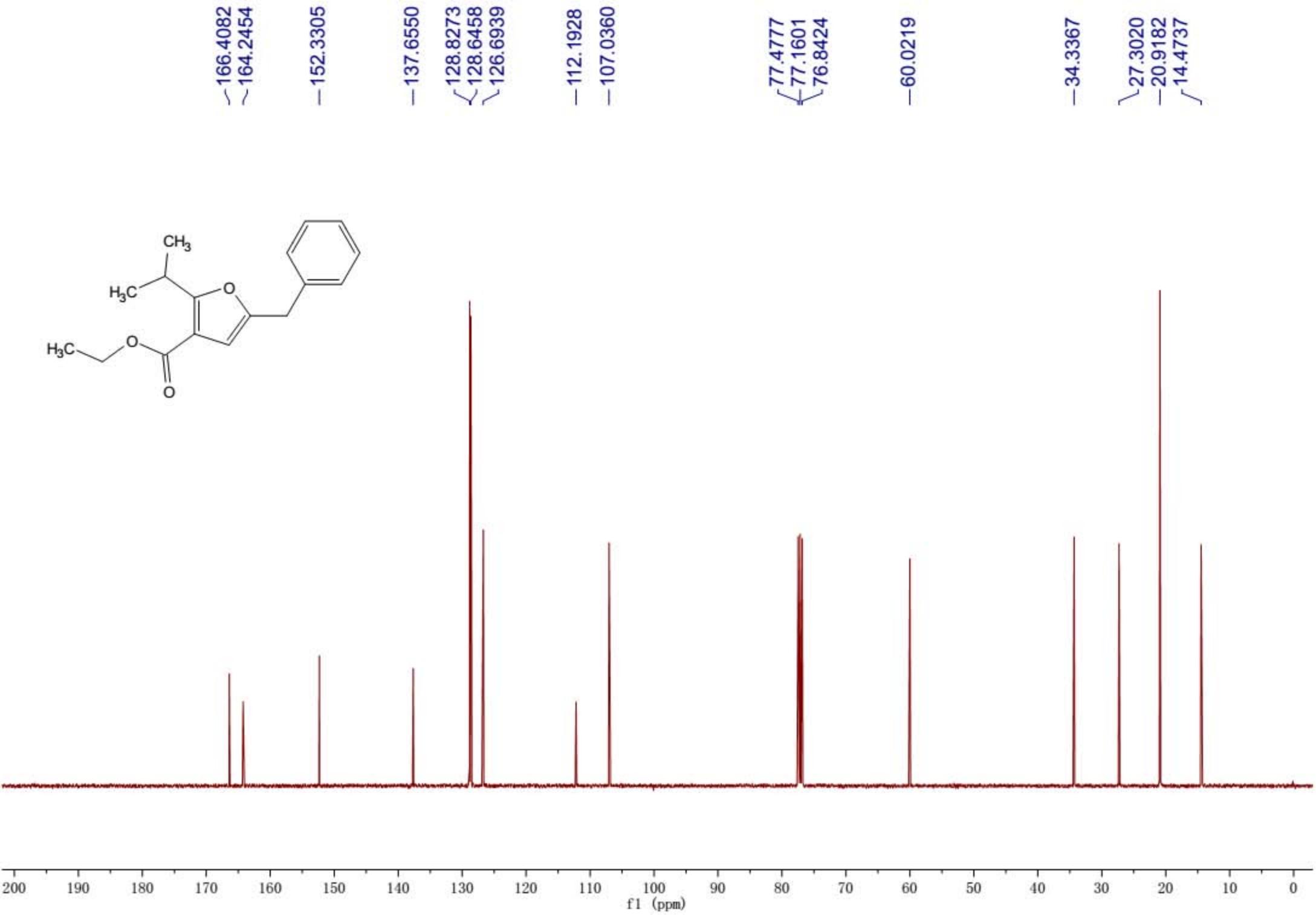
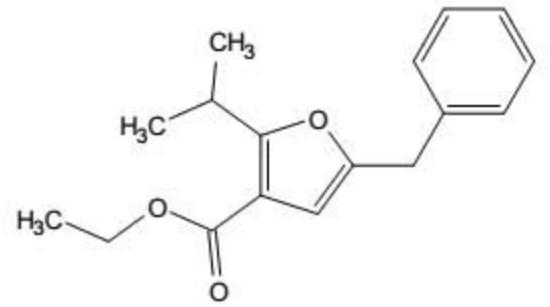


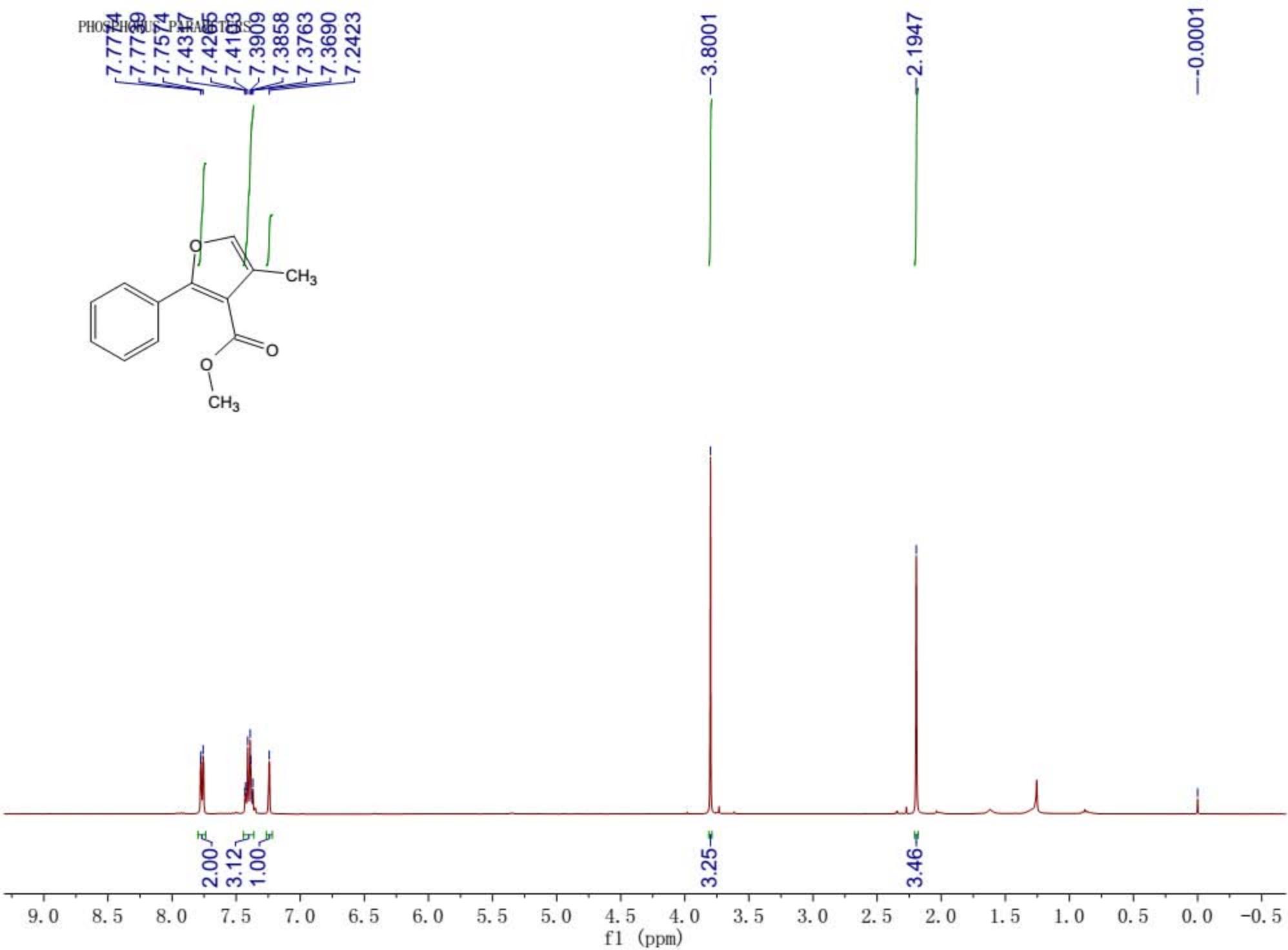












PYROPHOSPHATE PARAMETERS

-165.0451

-158.1391

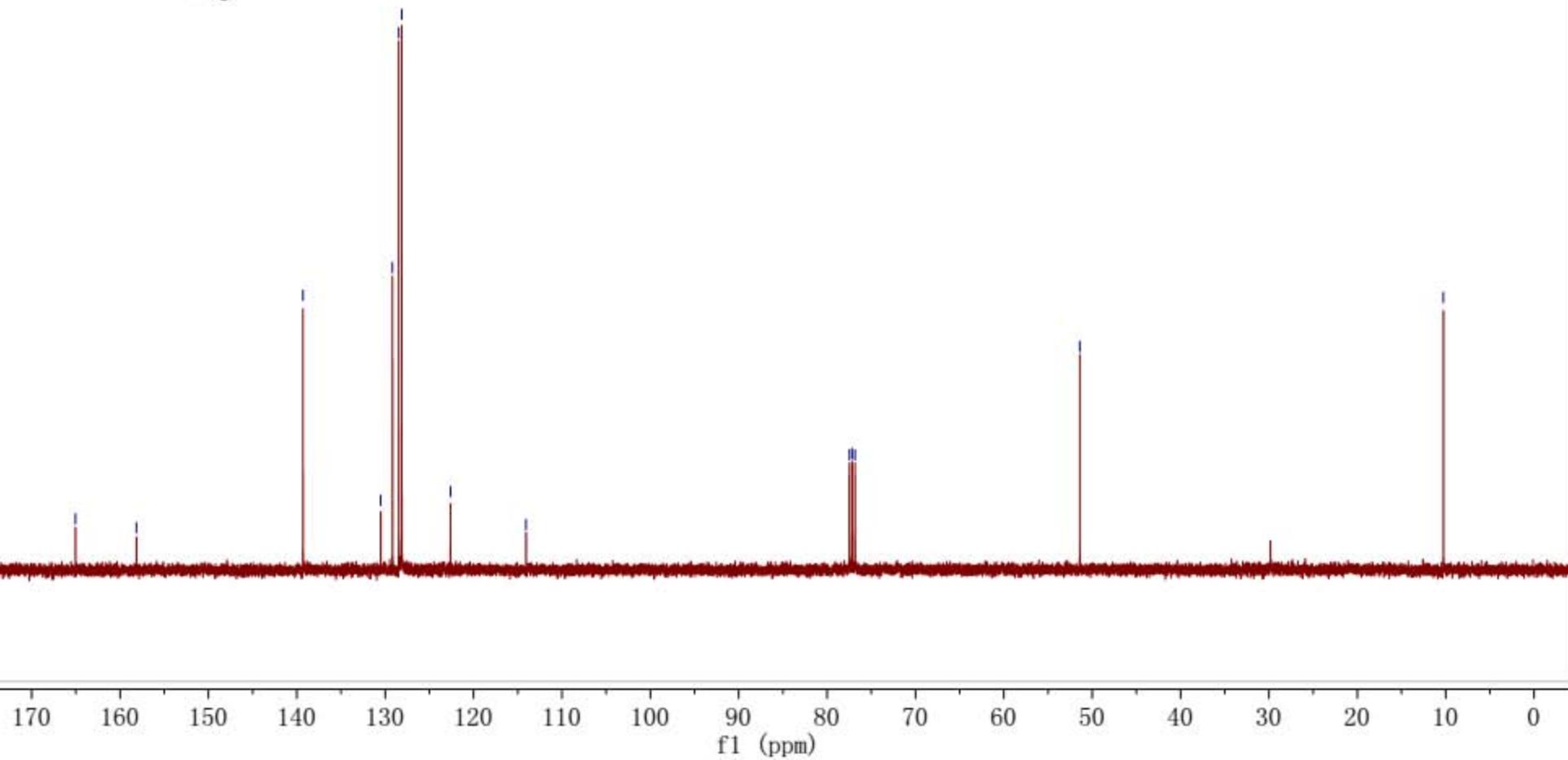
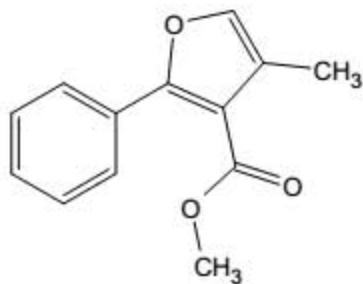
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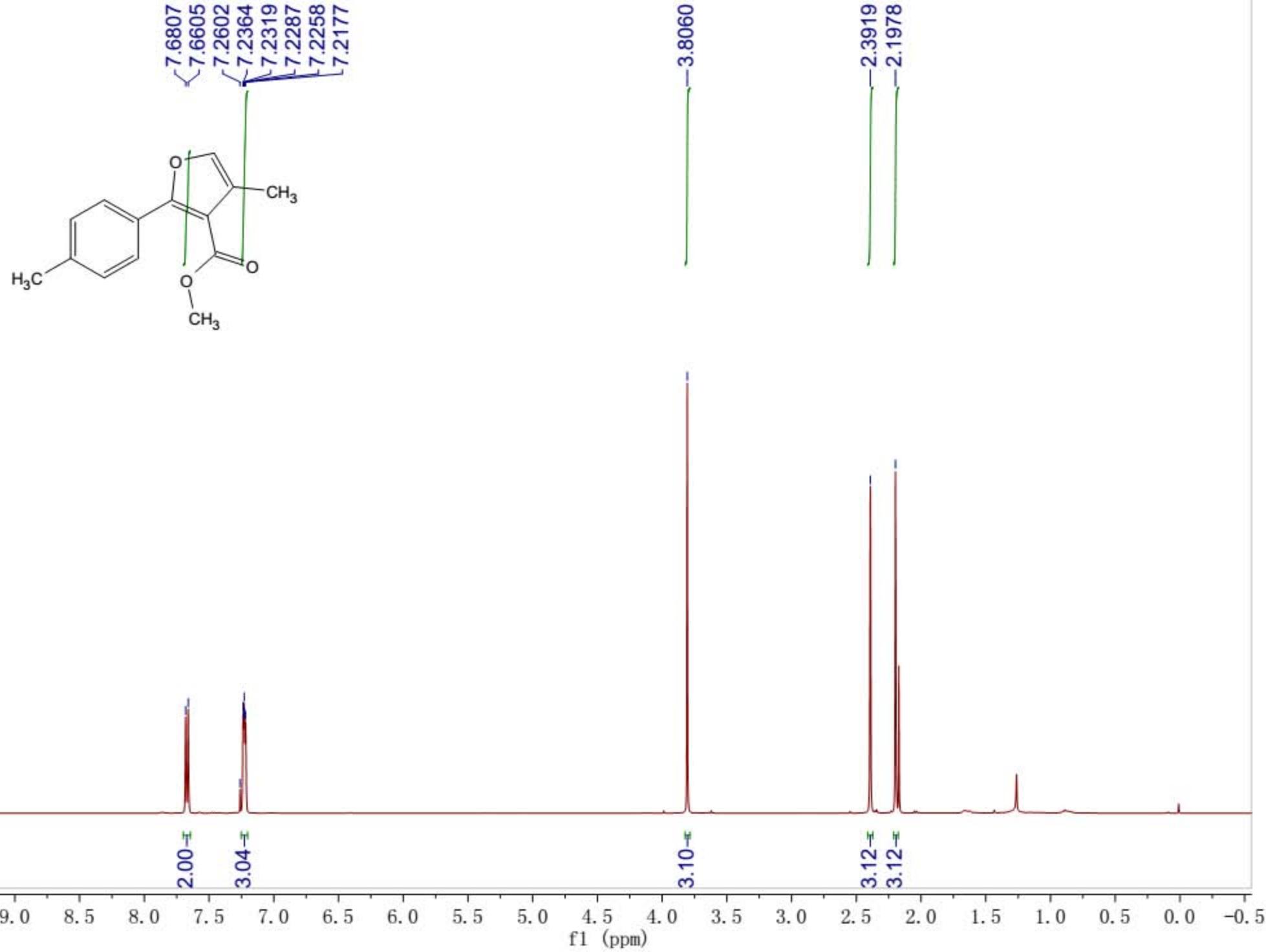
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128.1320
122.6127

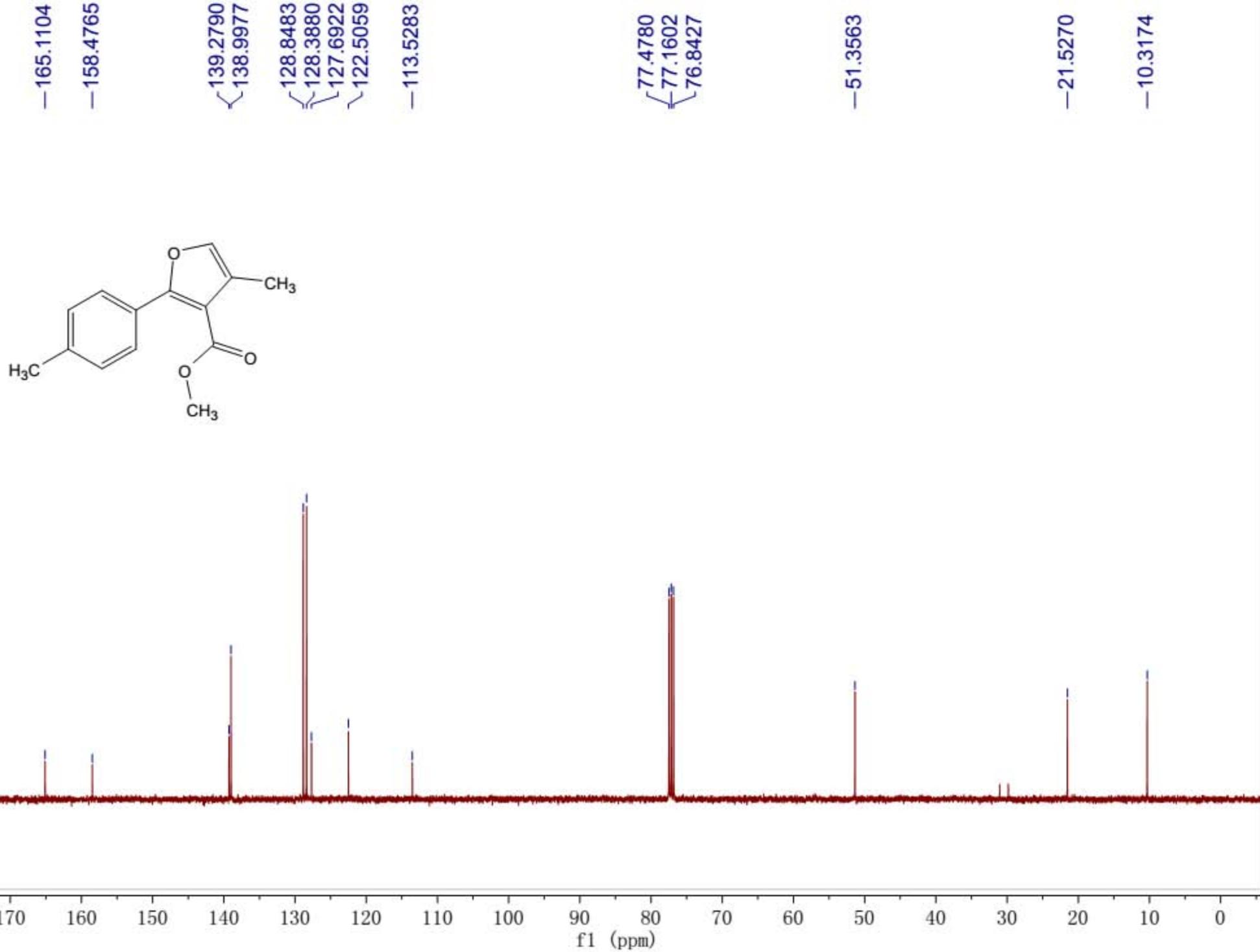
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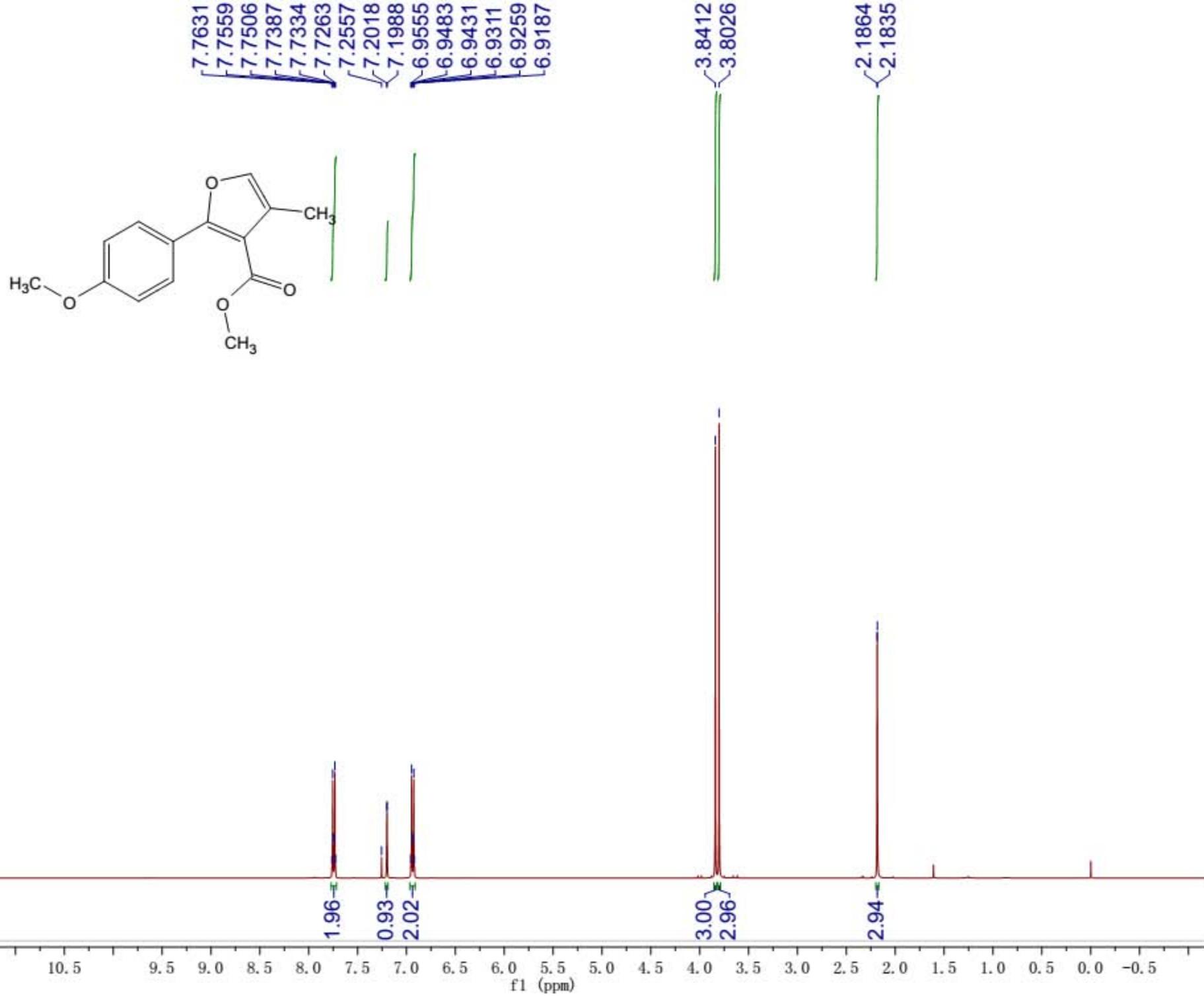
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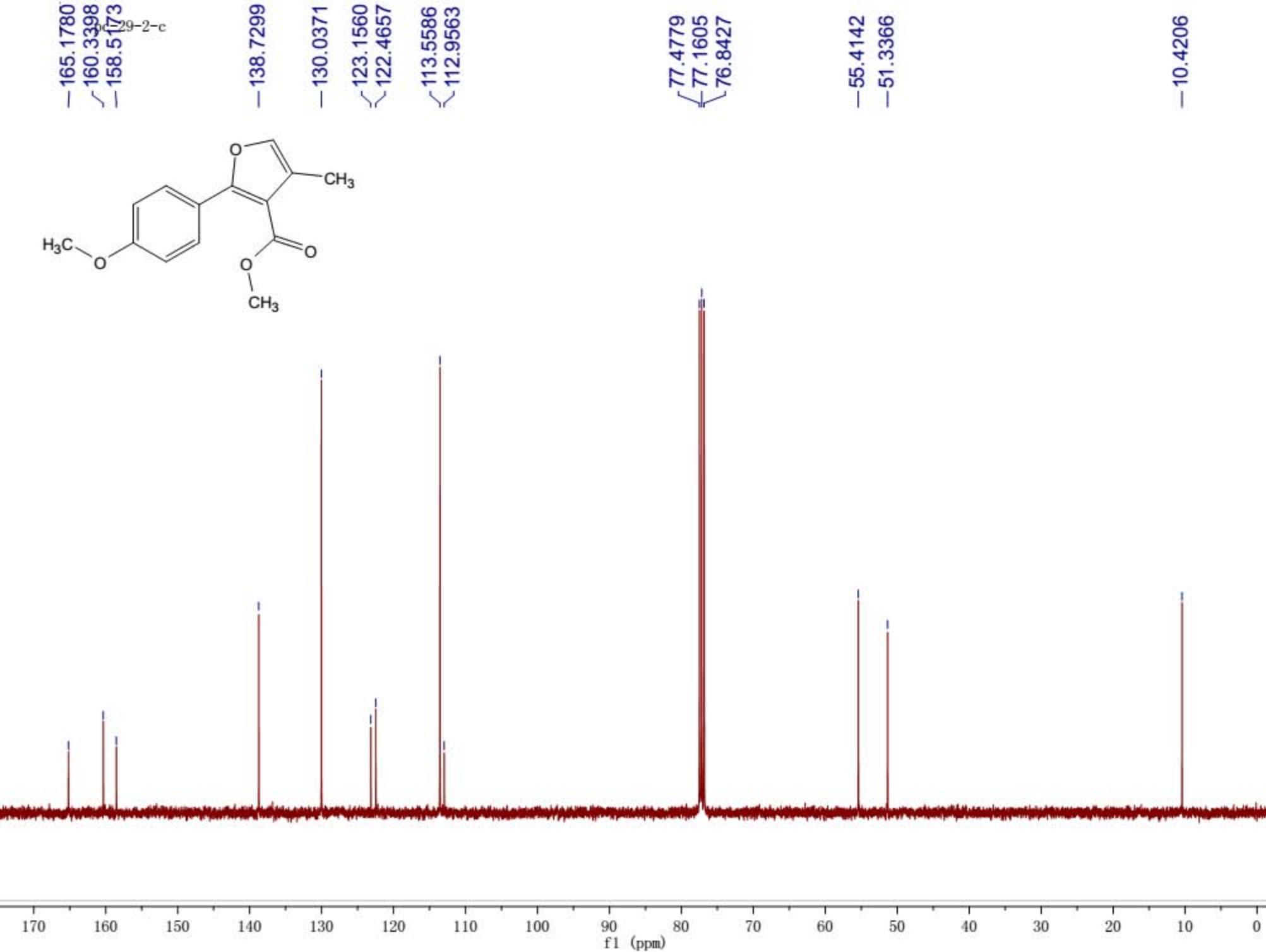
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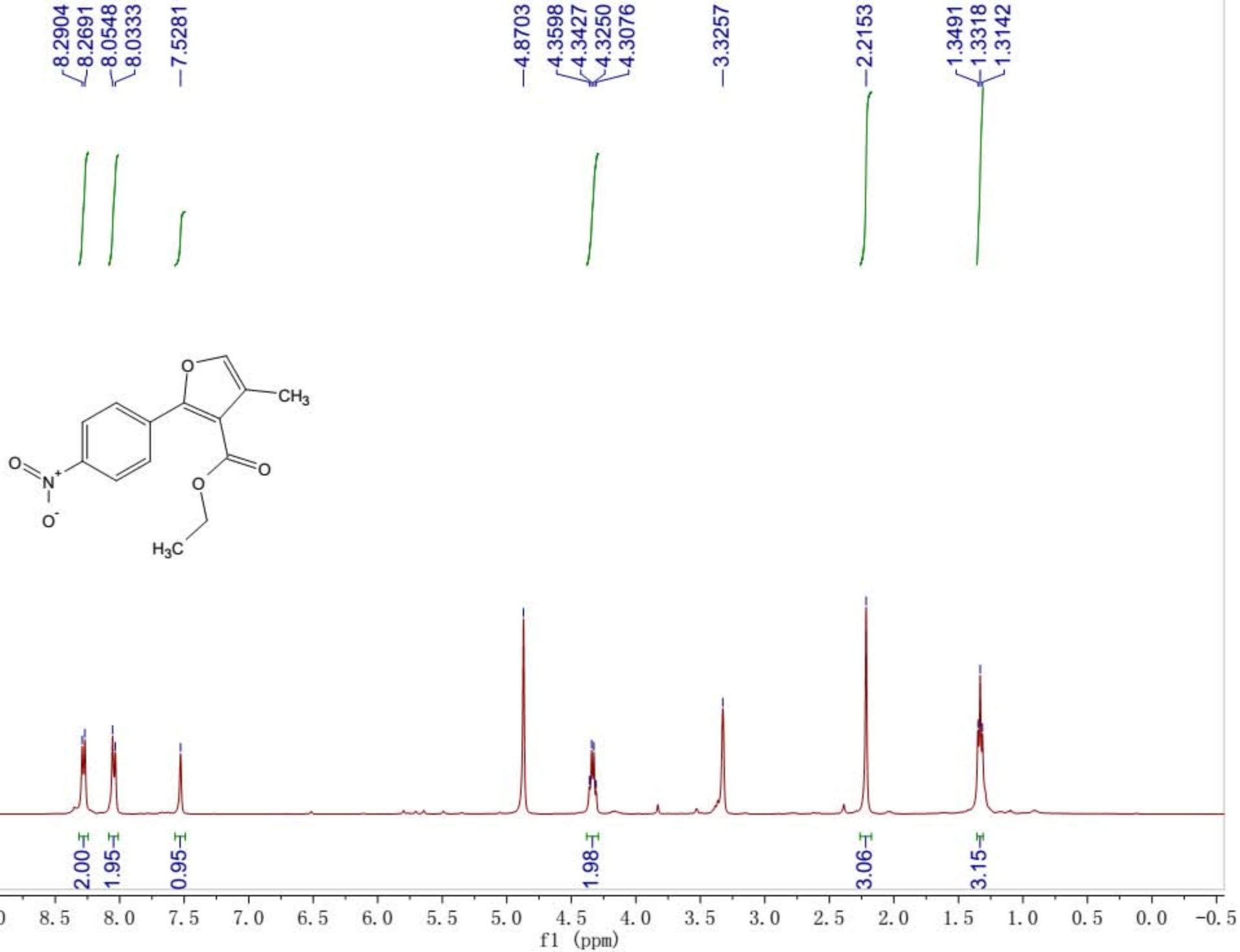


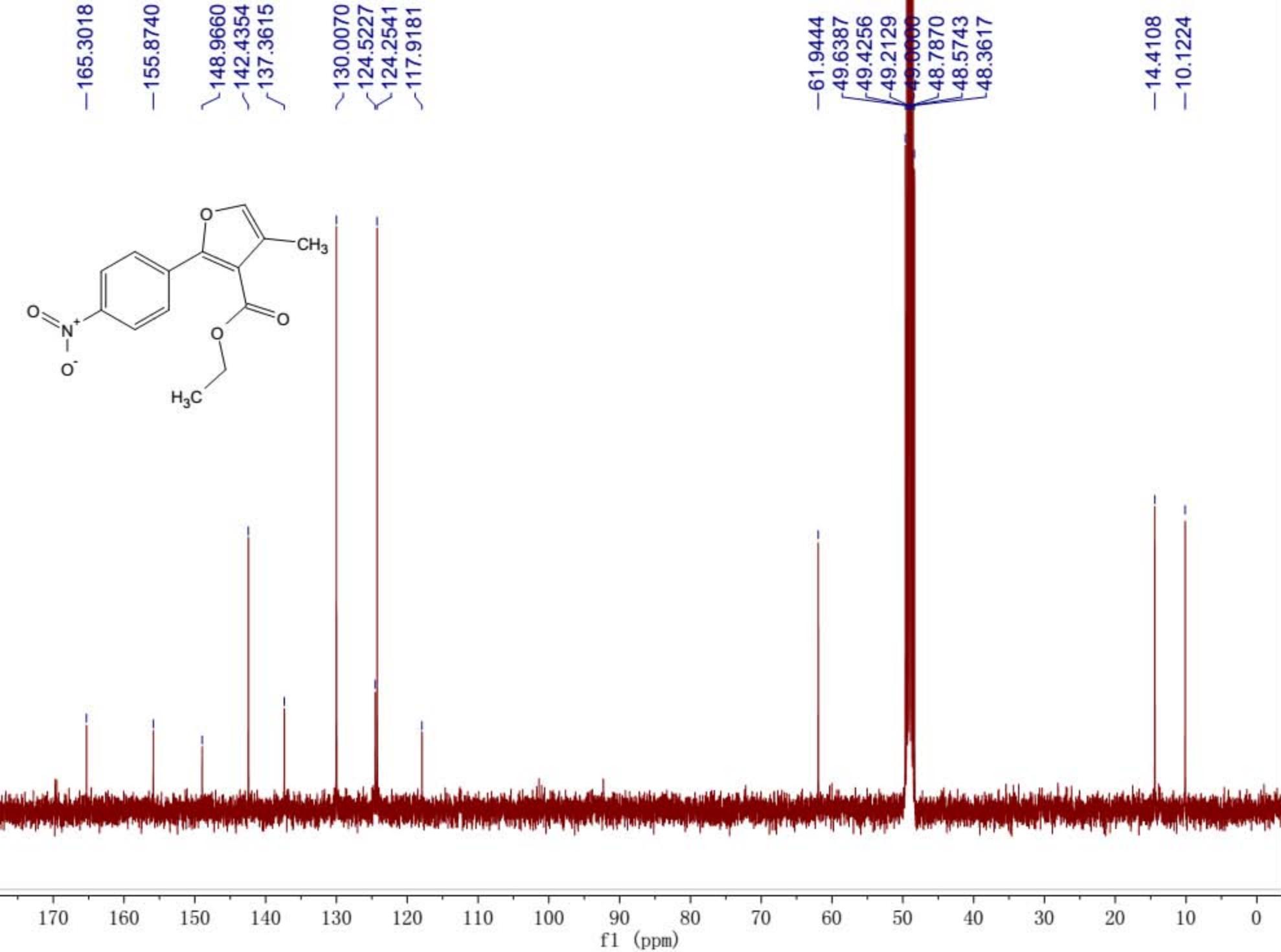


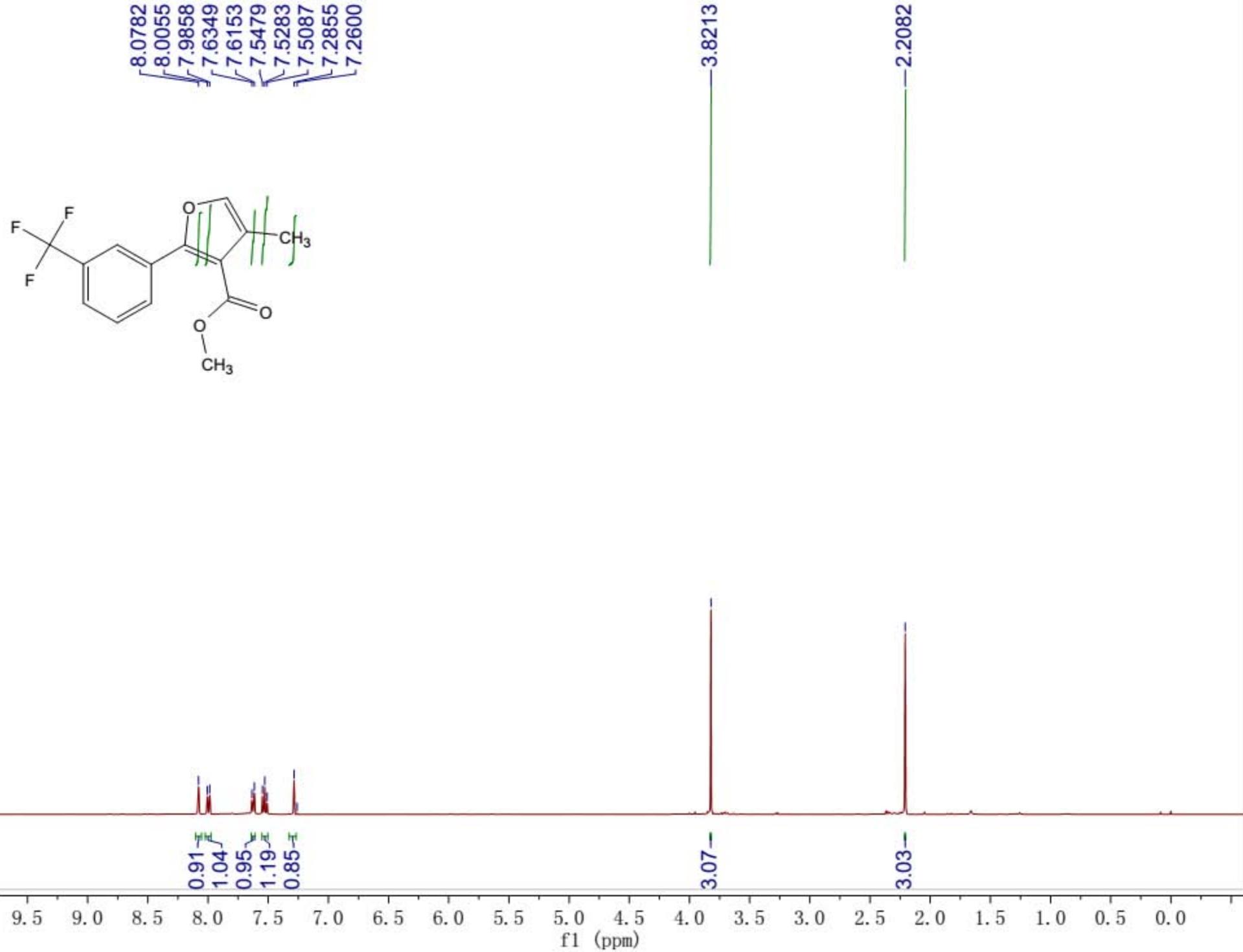












-164.6538

-156.2160

- -139.9561

131.6100

131.5983

131.1583

130.8057

130.4827

130.4827

128.6419

125.6738

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125.5994

125.5621

125.4858

125.4455

125.4064

125.3667

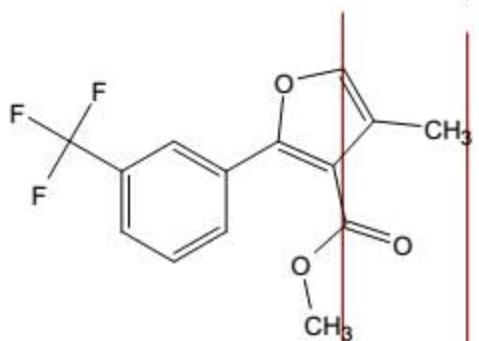
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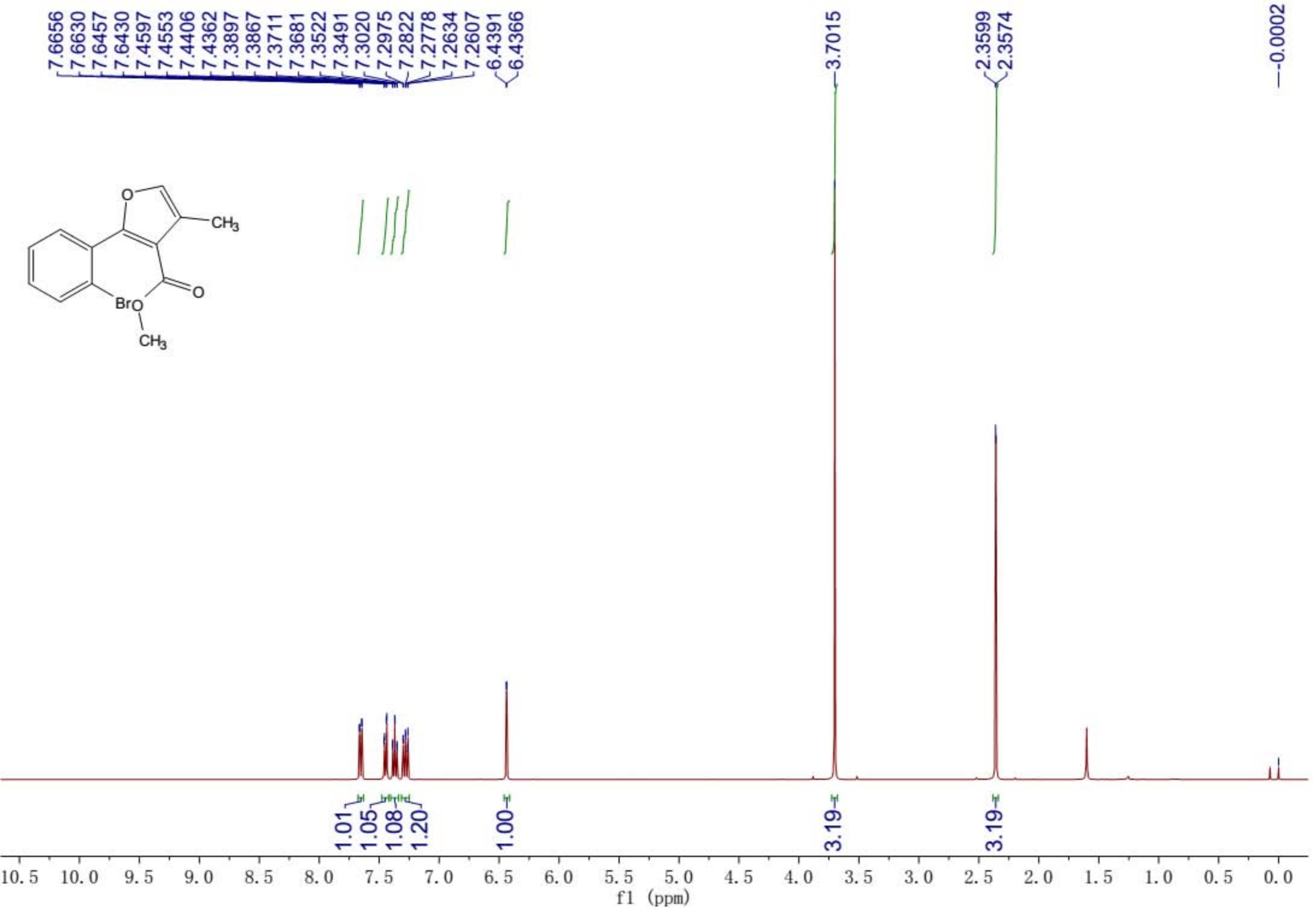
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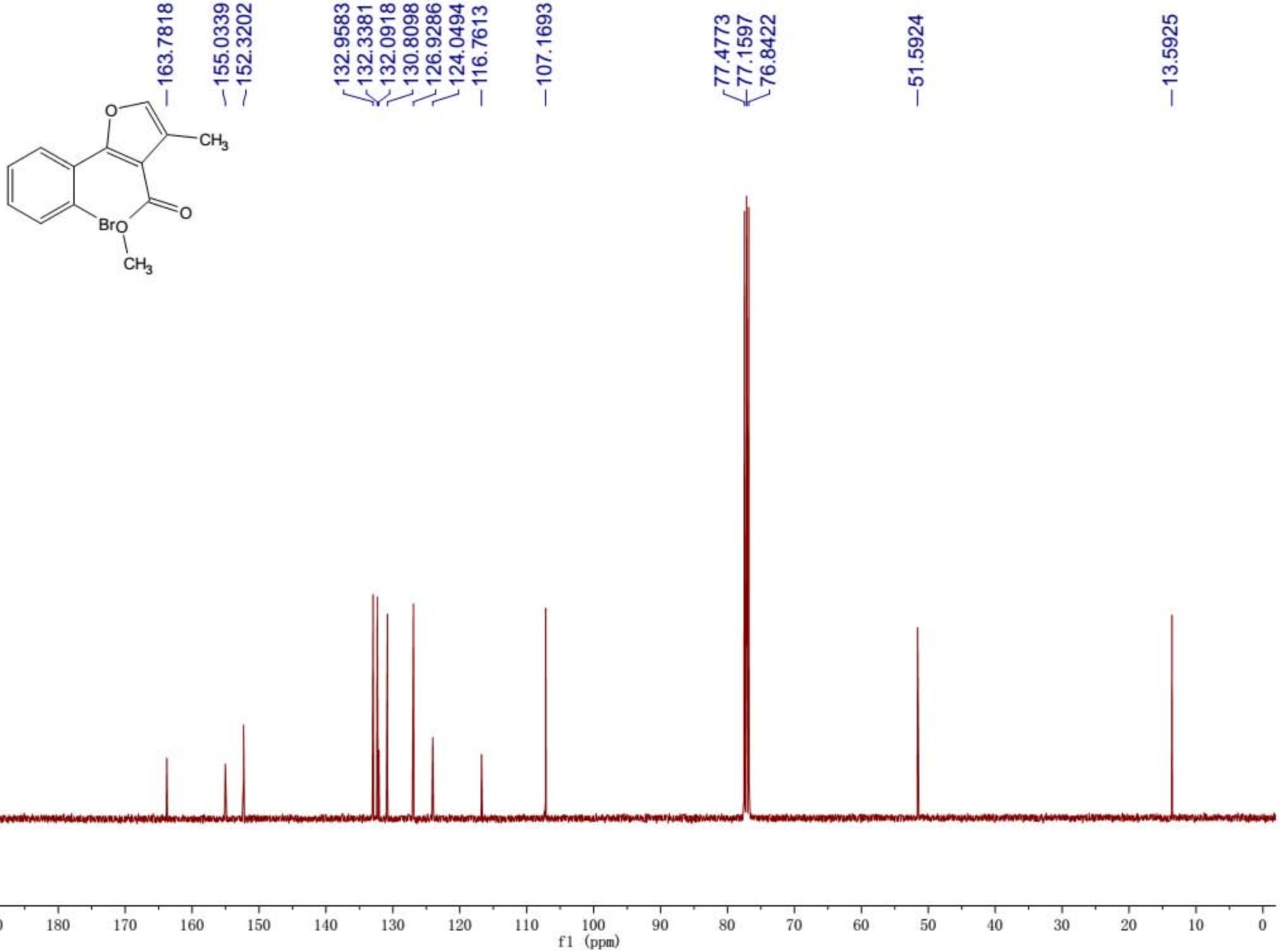
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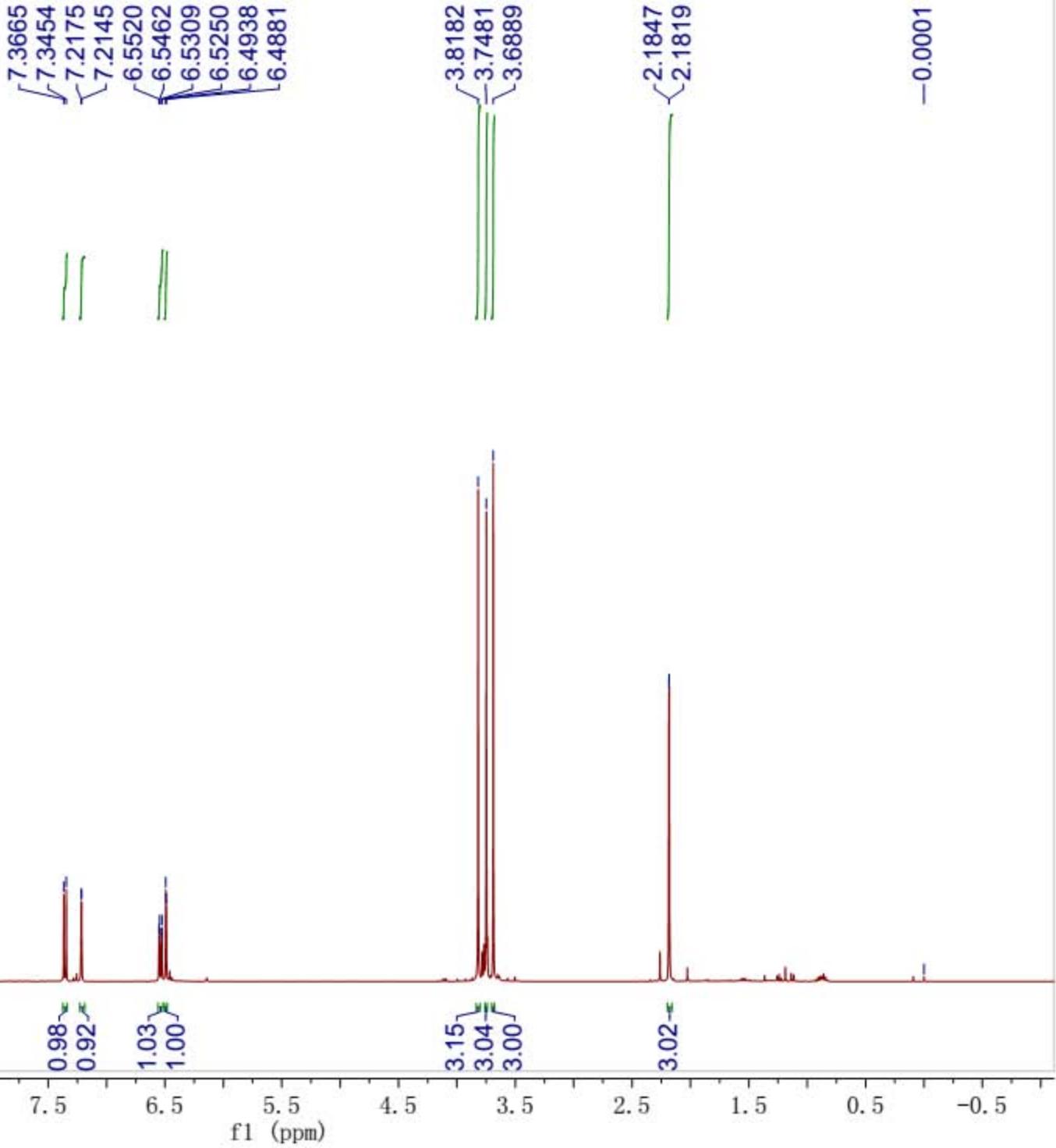
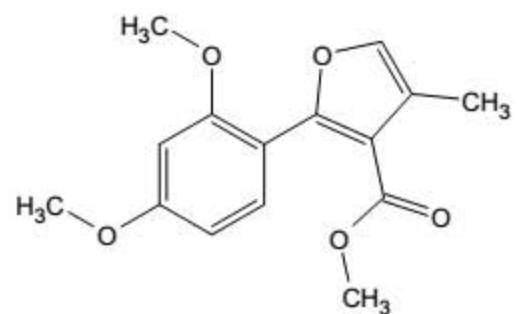


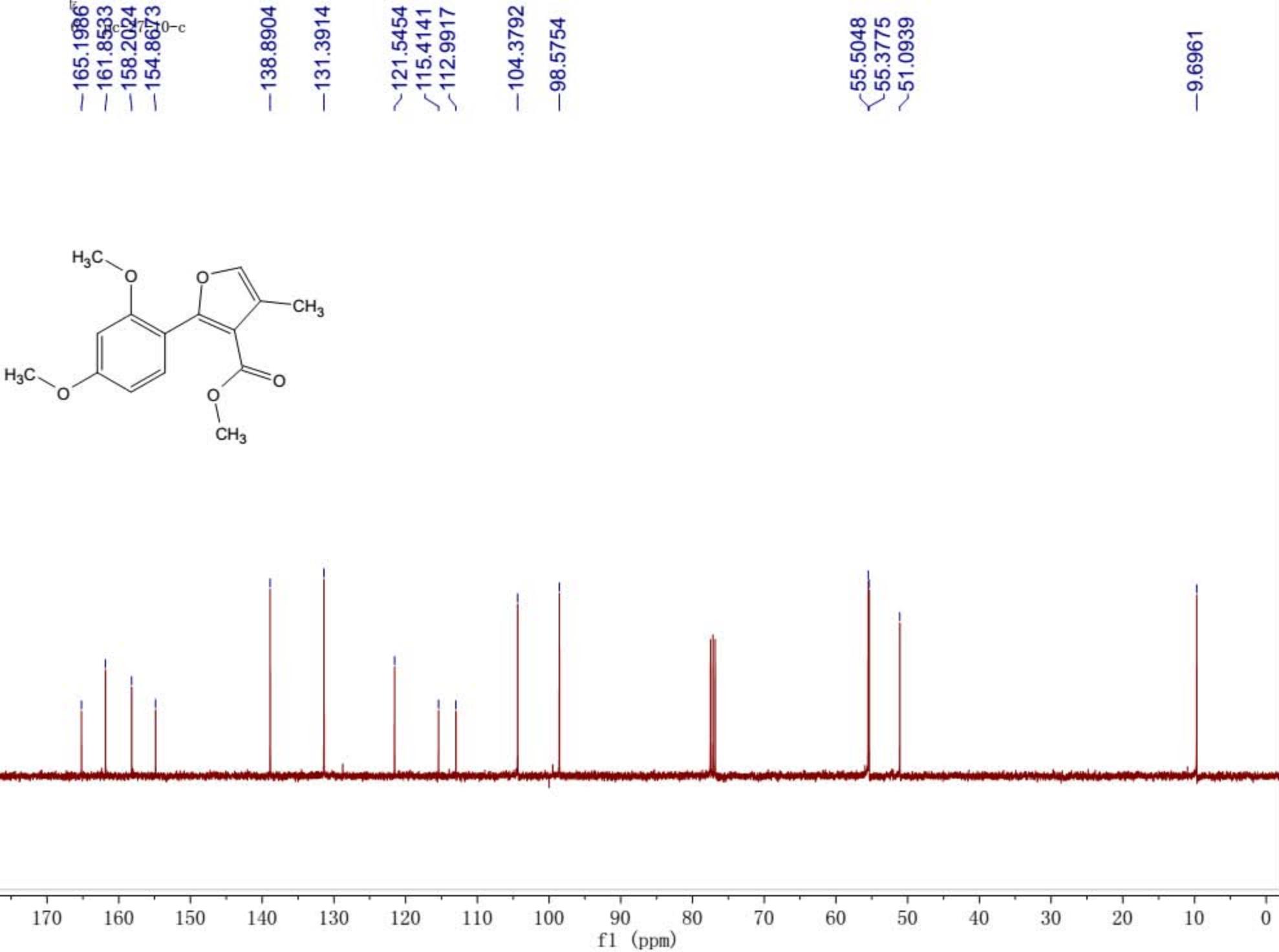
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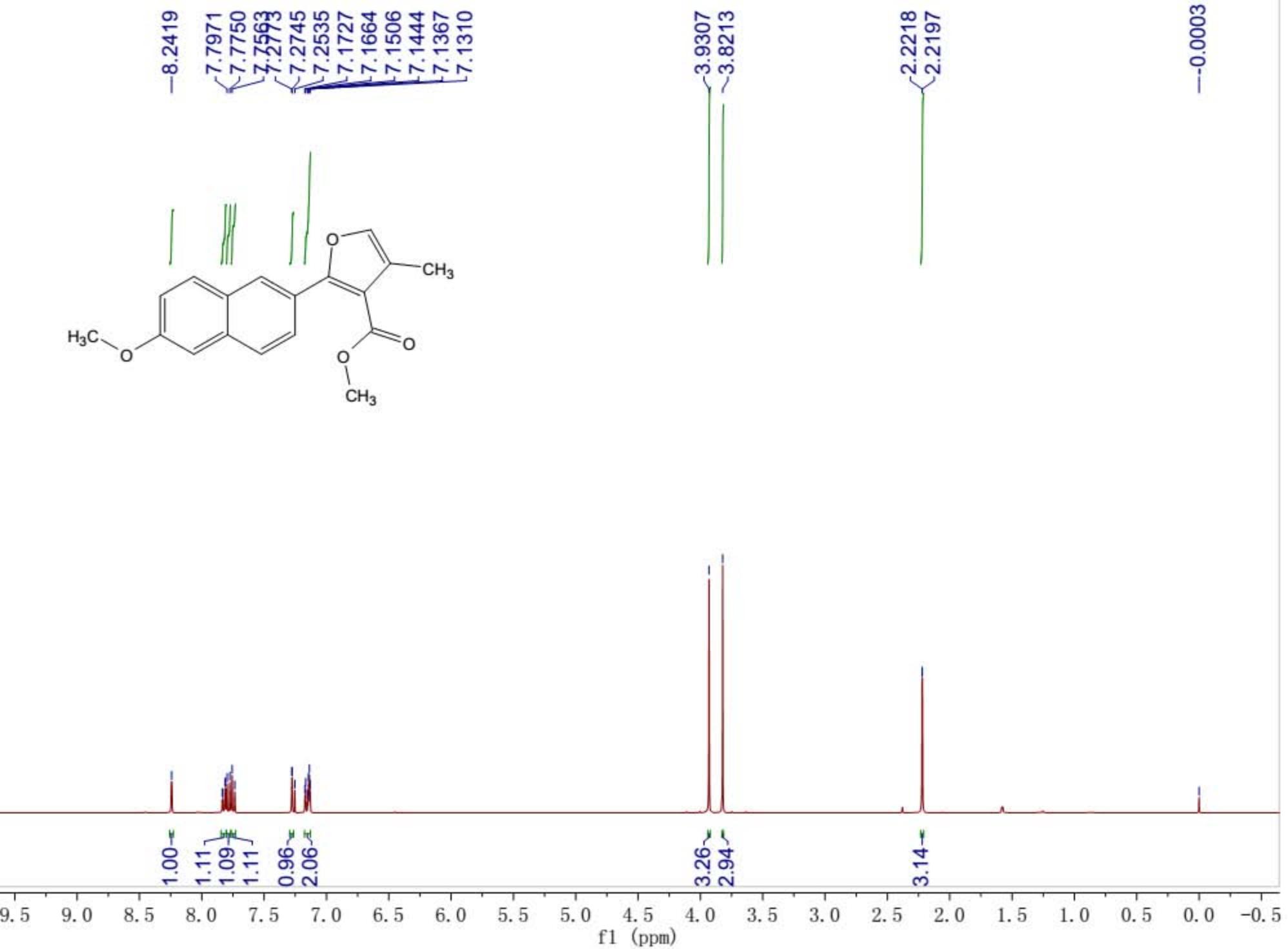
f1 (ppm)

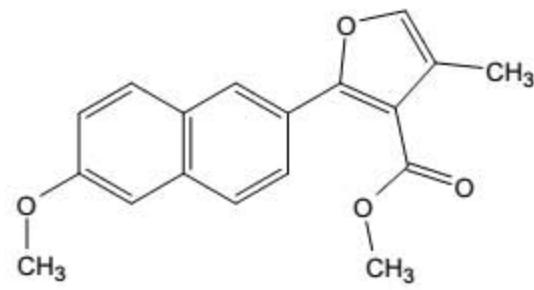












-165.1812
-158.5908
-158.4838

139.2007
134.8613
130.3408
128.4410
128.0528
126.4336
126.3532
125.7446
122.7231
119.3093
113.8392
-105.7320

77.4778
77.1597
76.8420

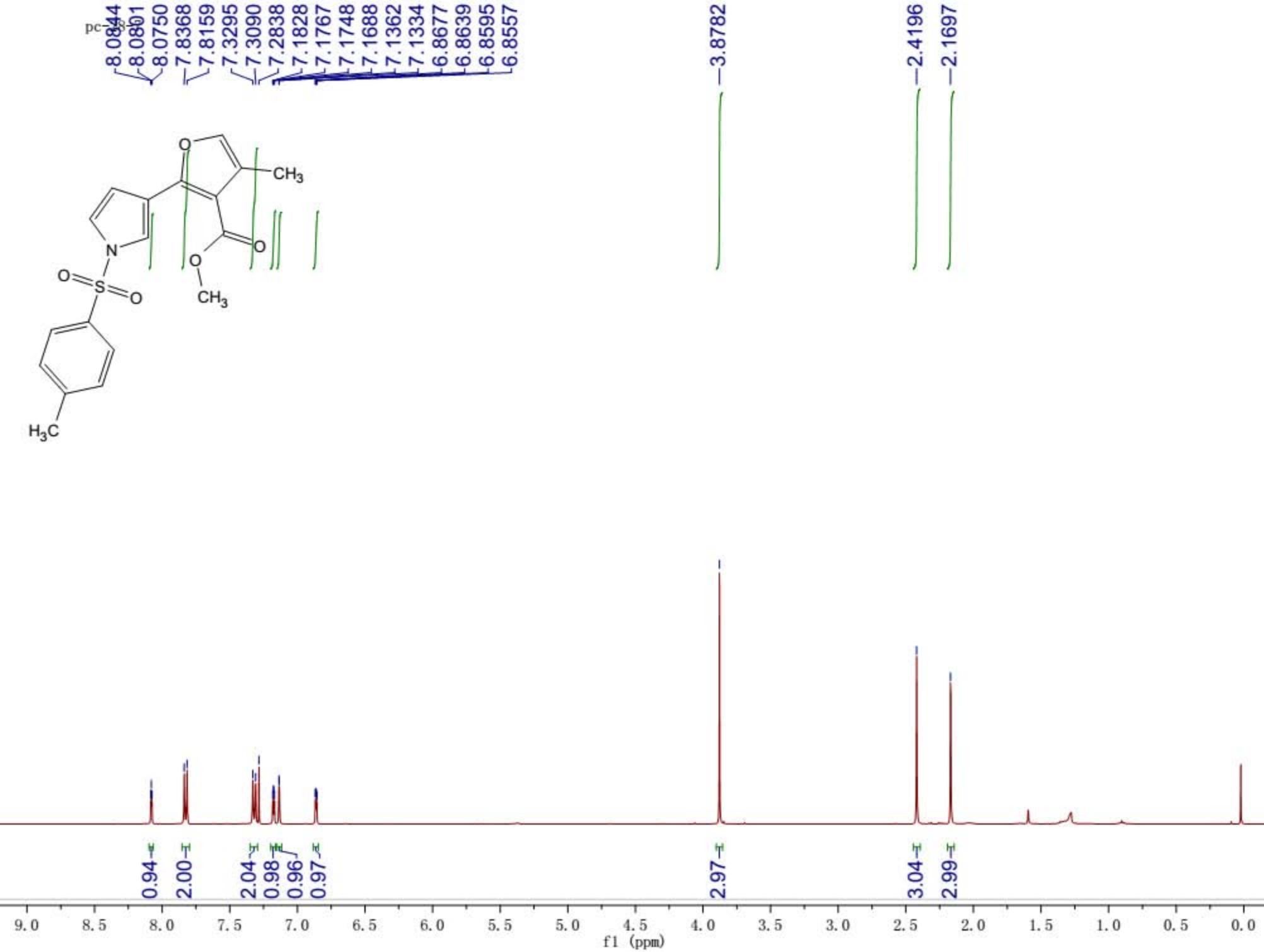
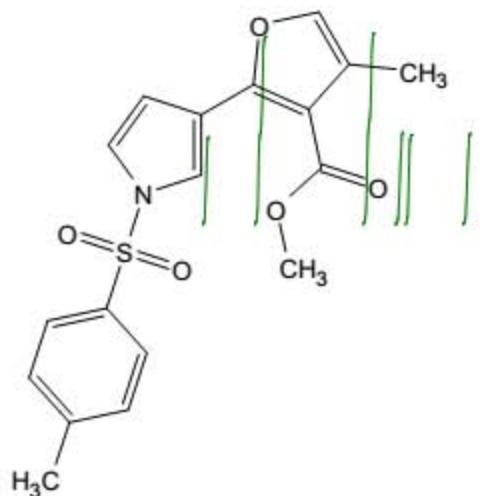
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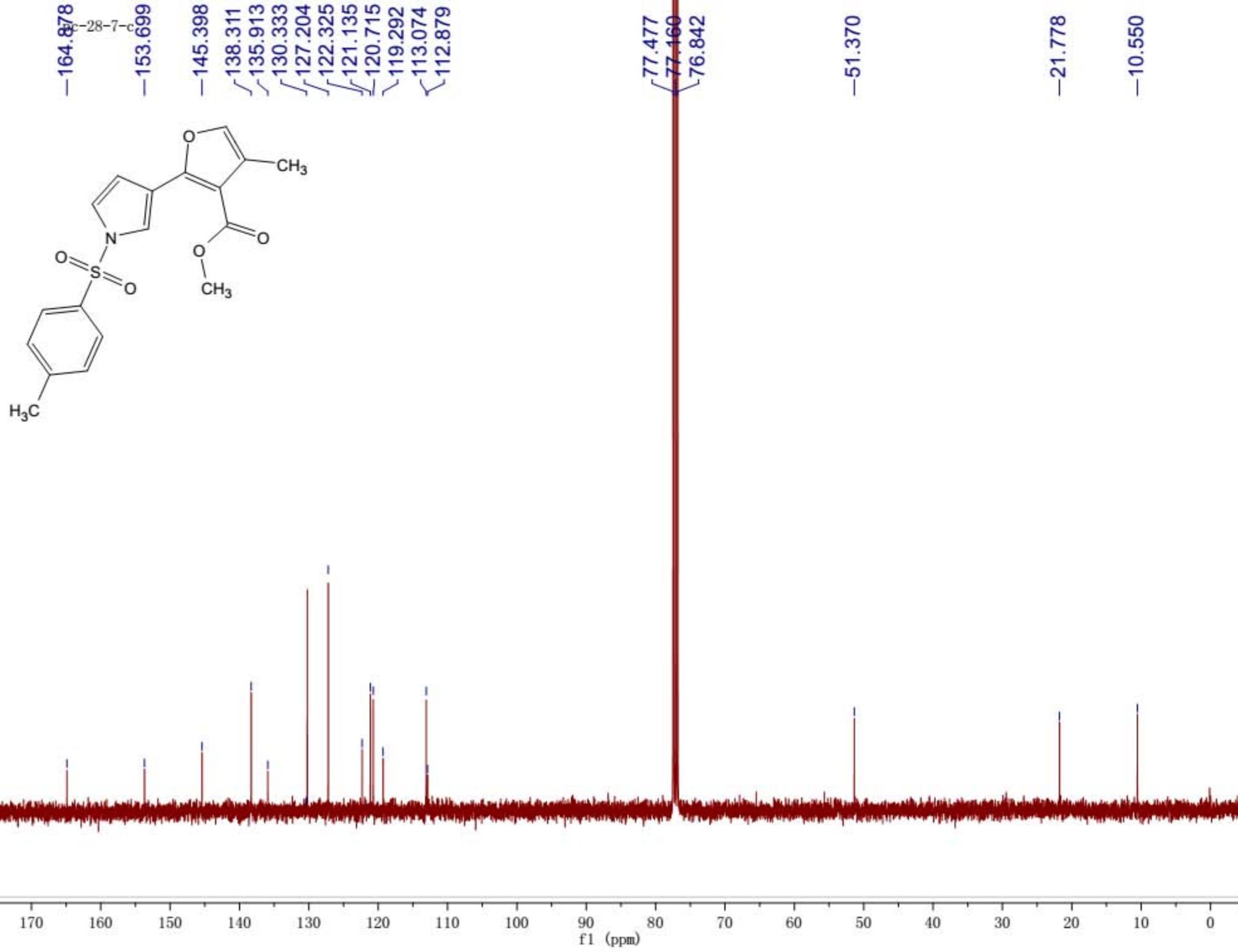
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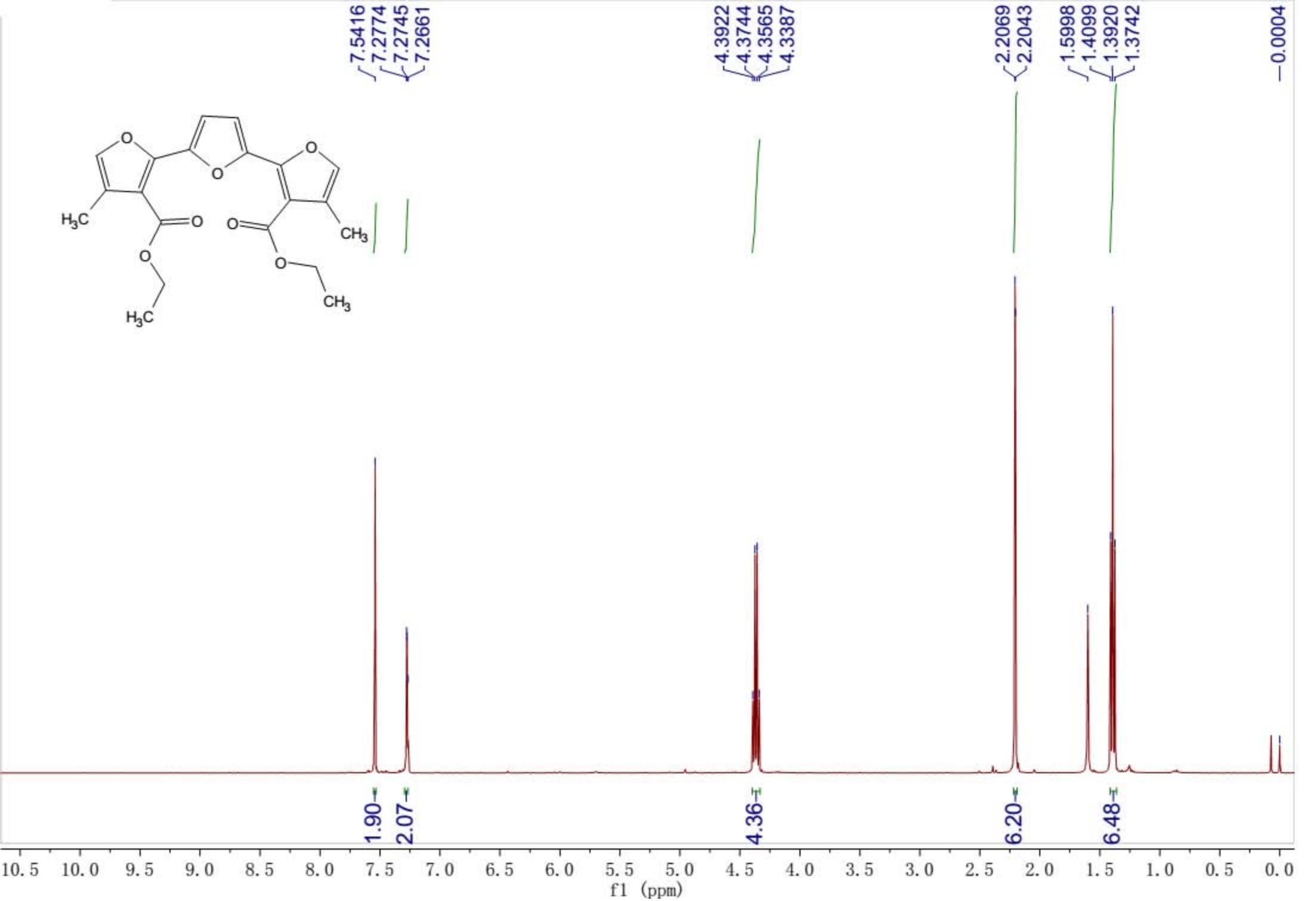
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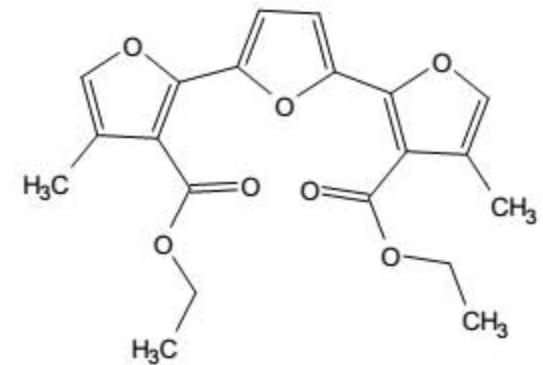
f1 (ppm)

pc-³
8.0844
8.0801
8.0750
7.8368
7.8159
7.3295
7.3090
7.2838
7.1828
7.1767
7.1748
7.1688
7.1362
7.1334
6.8677
6.8639
6.8595
6.8557



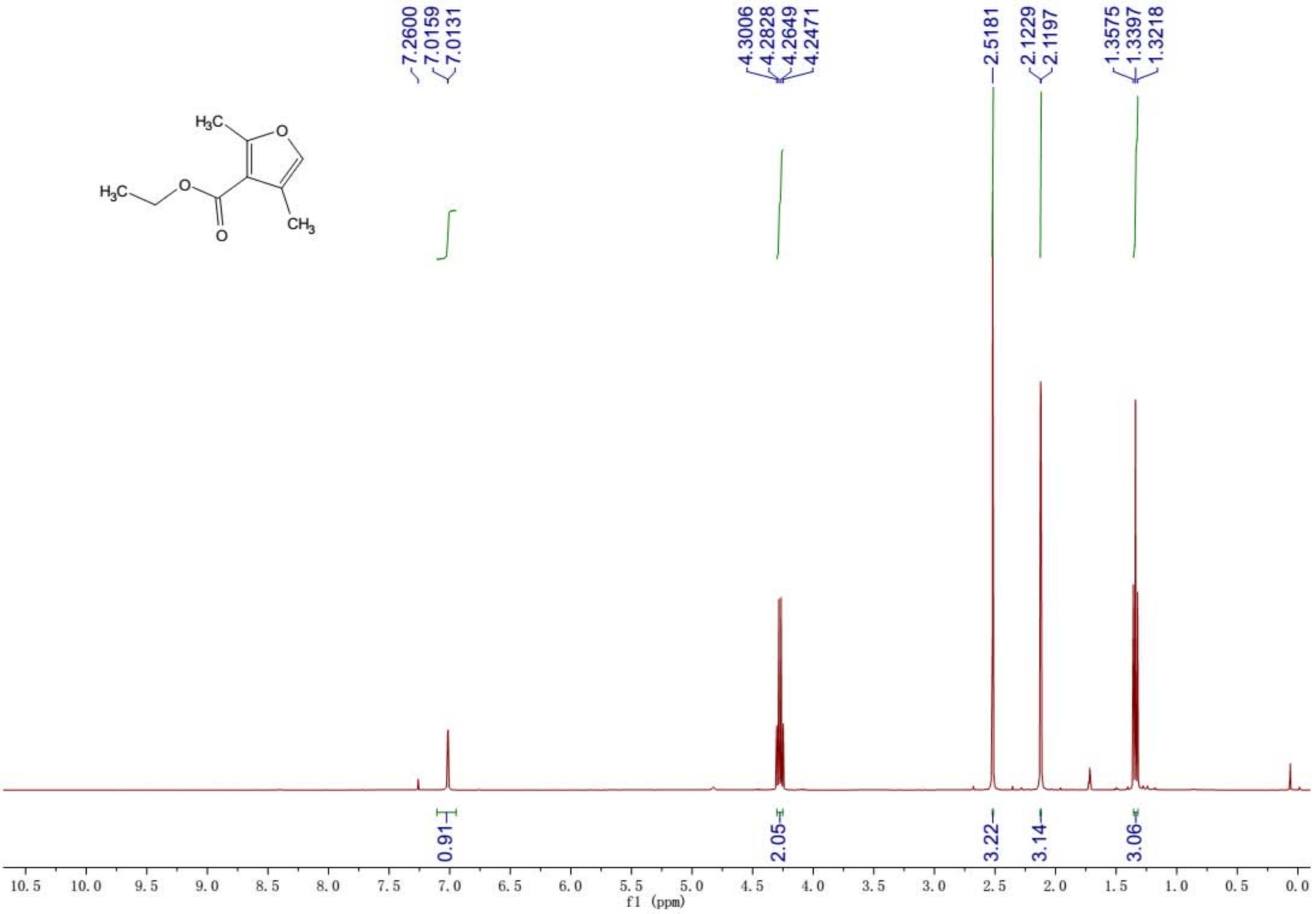
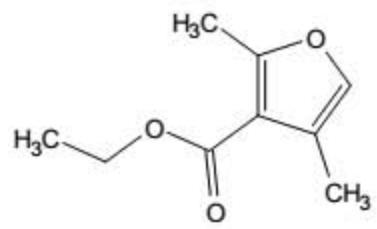


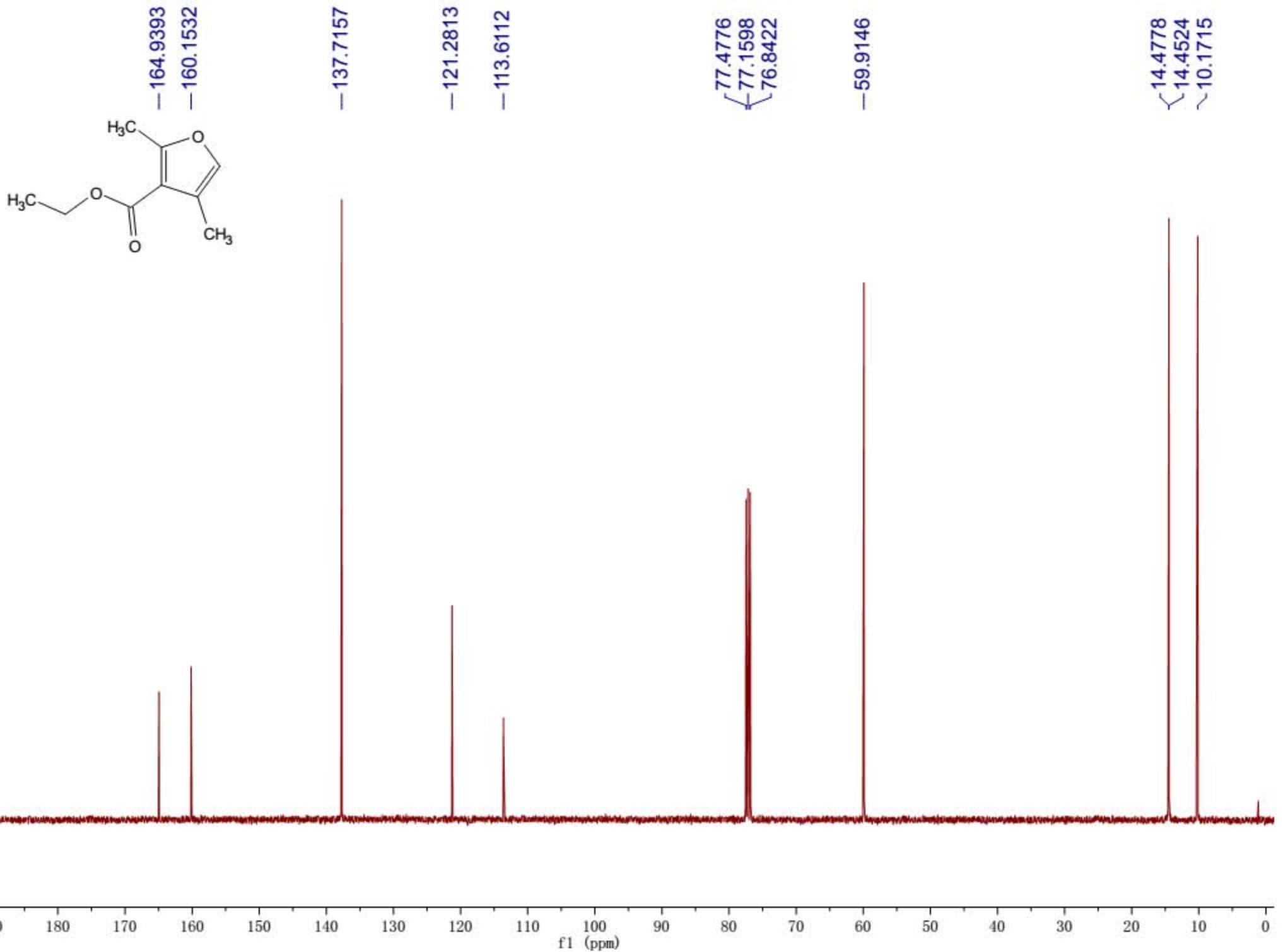


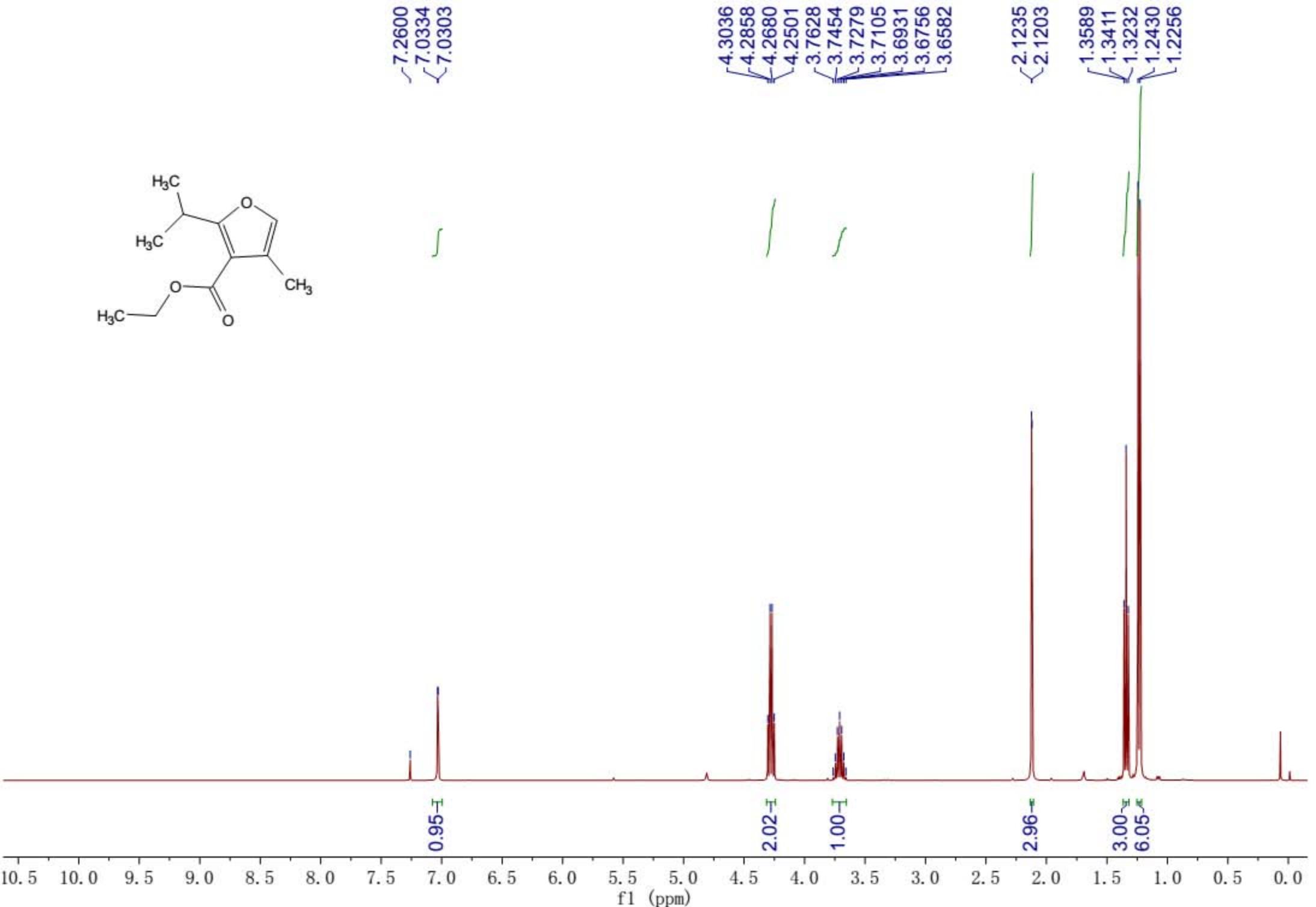
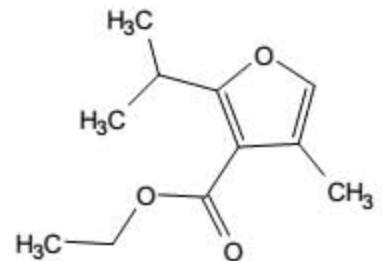


200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0

f1 (ppm)







Chemical structure of 2-(2-methylpropyl)-4-methyl-2H-pyran-2-one is shown above the NMR spectrum. The structure features a five-membered furan-like ring with a double bond at position 2. At position 4, there is a methyl group (CH_3). At position 2, there is a methylene group (CH_2) attached to a carbonyl group ($=\text{O}$), which is further attached to a propyl group ($\text{CH}_2\text{CH}_2\text{CH}_3$). There is also a methyl group (CH_3) attached to the ring at the same position as the methylene group.

Chemical shifts (δ) observed in the ^{13}C NMR spectrum:

- 168.0096
- 164.8731
- 137.6550
- 121.0412
- 111.7674
- 77.4773
- 77.1596
- 76.8420
- 59.8851
- 27.6502
- 20.7734
- 14.4150
- 10.2306

