

13C NMR
4-(4-chlorophenyl)-5-(2-methoxyethoxycarbonyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (14u)

11.361
11.140

9.250

8.400

7.644

7.624

7.103

7.030

7.009

4.880

3.372

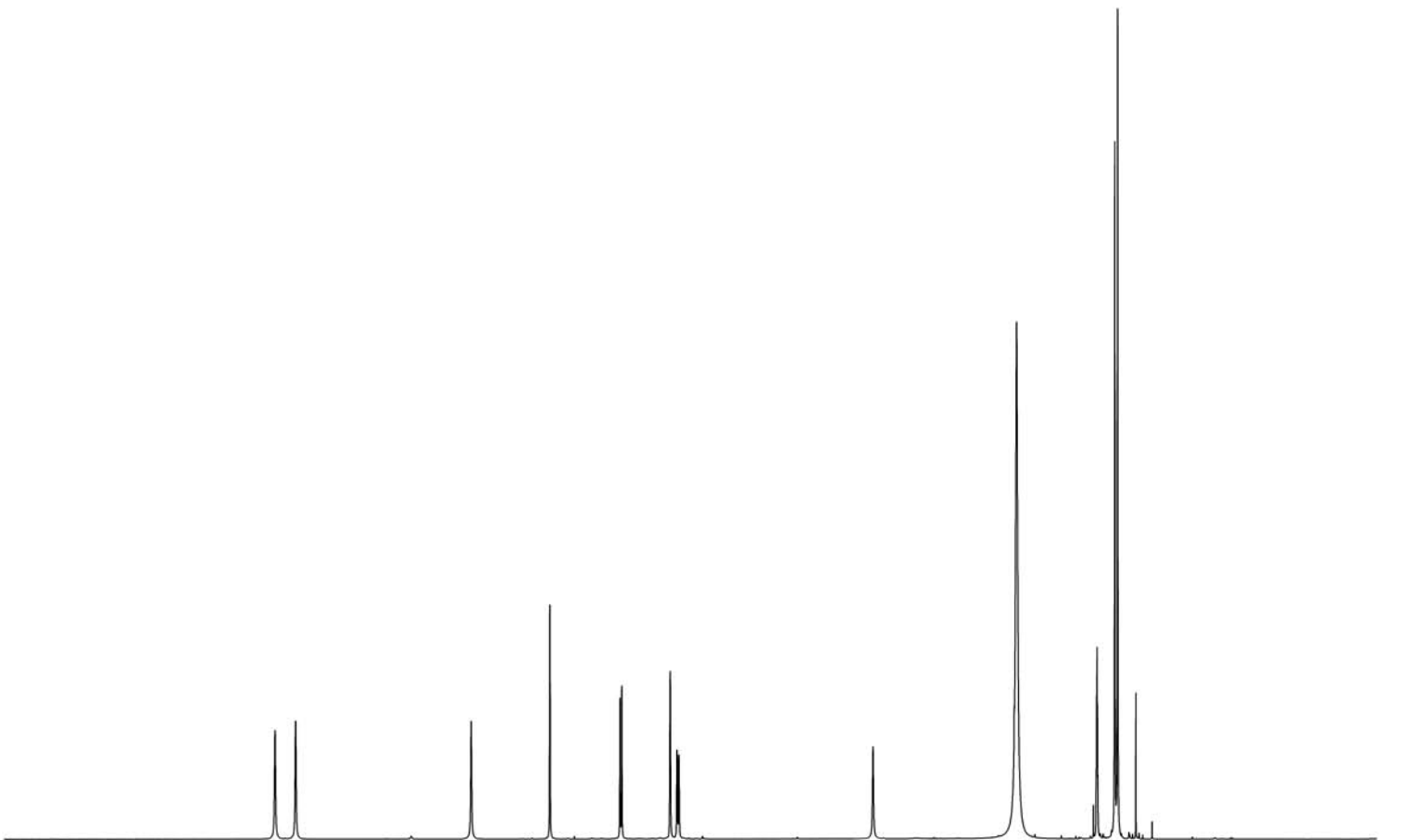
2.505

2.313

2.283

¹H NMR

5,6,7,8-Tetrahydro-5-(2,4-dimethylphenyl)-7-thioxopyrimido[4,5-d]pyrimidine-2,4(1H,3H)-dione (16d)



14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

1.00
1.00

1.00

1.00

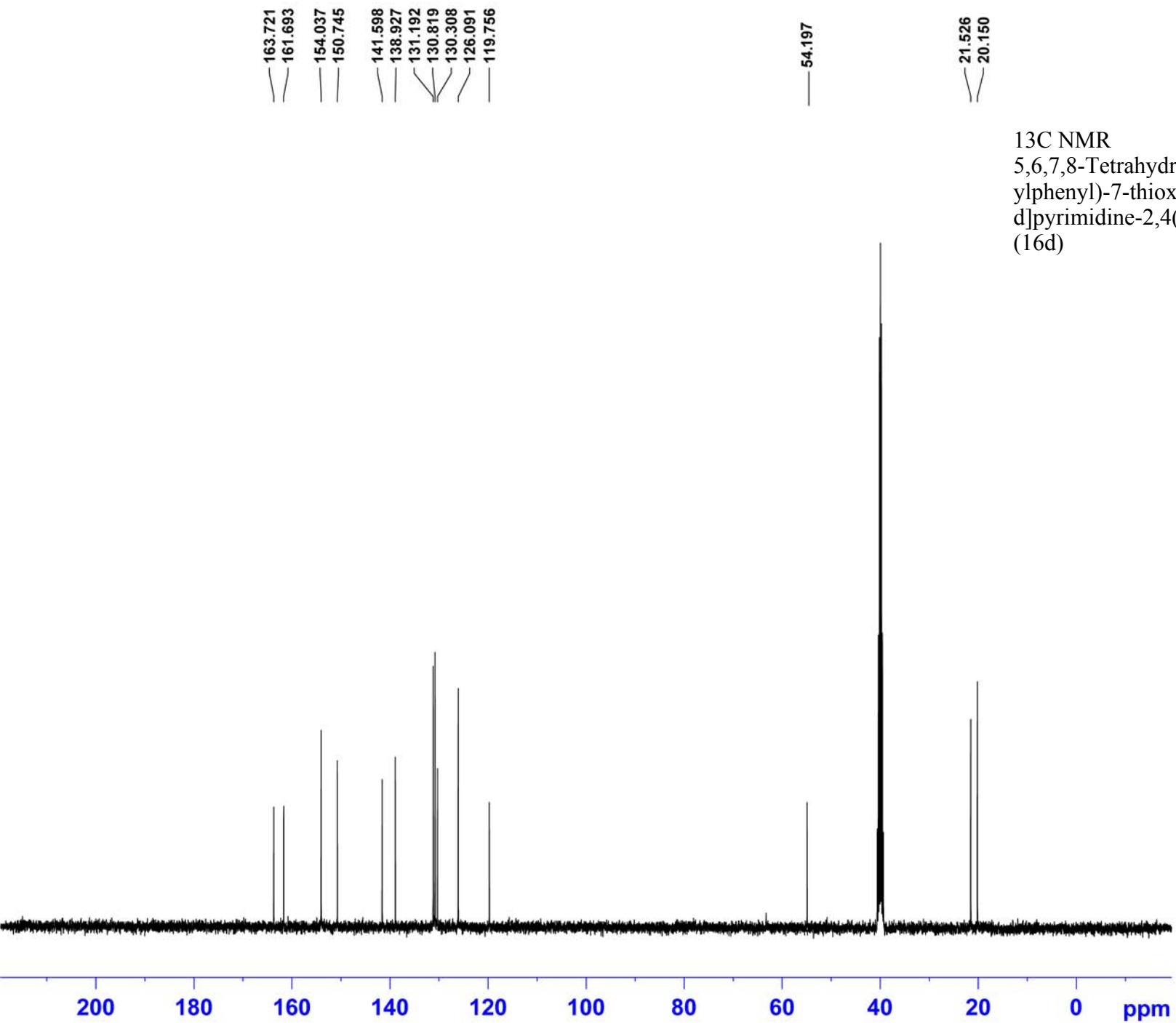
1.02

1.03

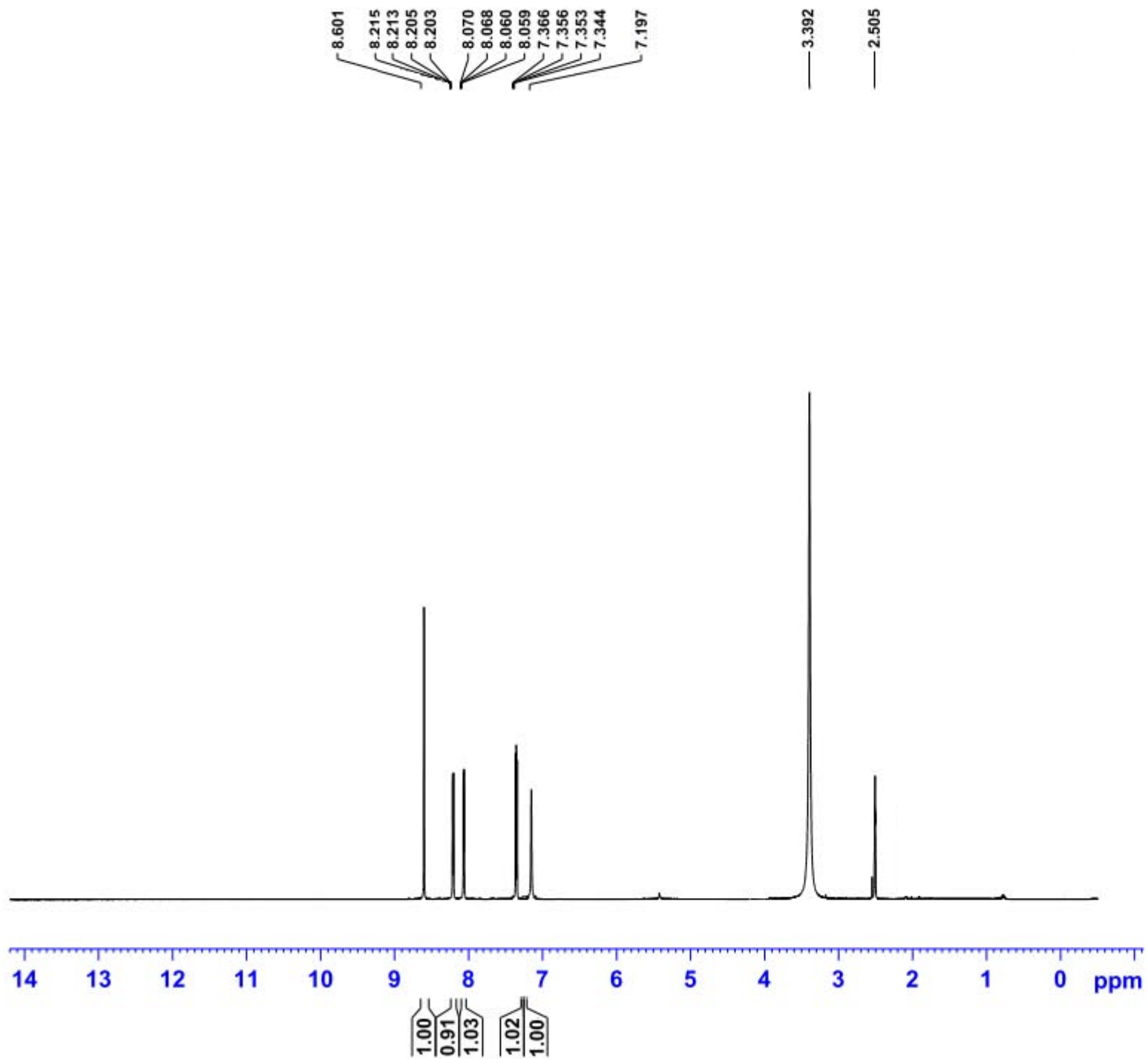
1.04

1.00

3.02
3.06



13C NMR
5,6,7,8-Tetrahydro-5-(2,4-dimethylphenyl)-7-thioxopyrimido[4,5-d]pyrimidine-2,4(1H,3H)-dione (16d)



1H NMR
2,4-Dioxo-6-(thiophen-2-yl)-1,2,3,4-tetrahydropyrimidin-5-carbonitrile (17b)

168.006
162.611
148.058
140.719
137.608
135.990
129.308
116.266
98.213

¹³C NMR
2,4-Dioxo-6-(thiophen-2-yl)-1,2,3,4-tetrahydropyrimidin-5-carbonitrile (17b)

