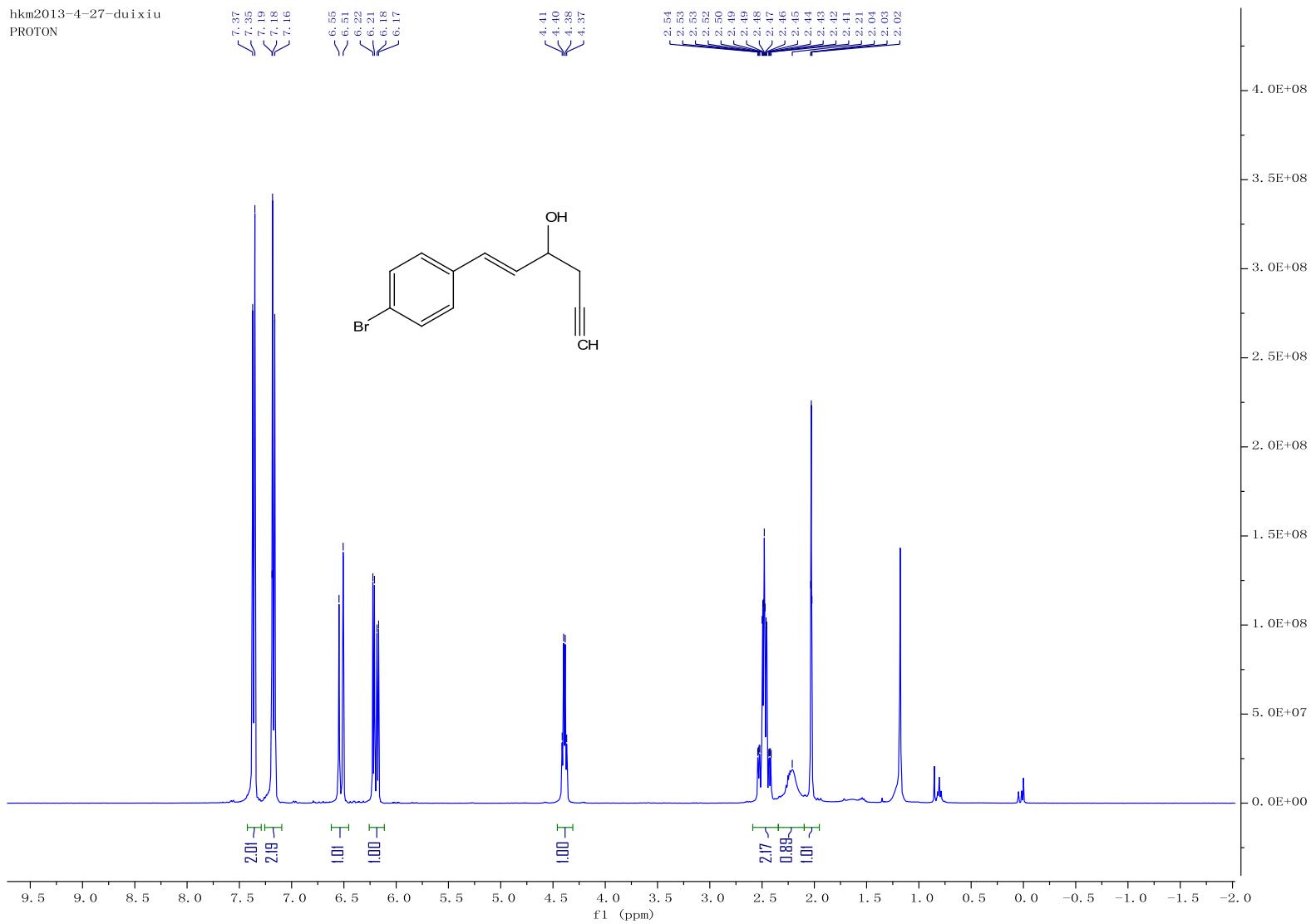


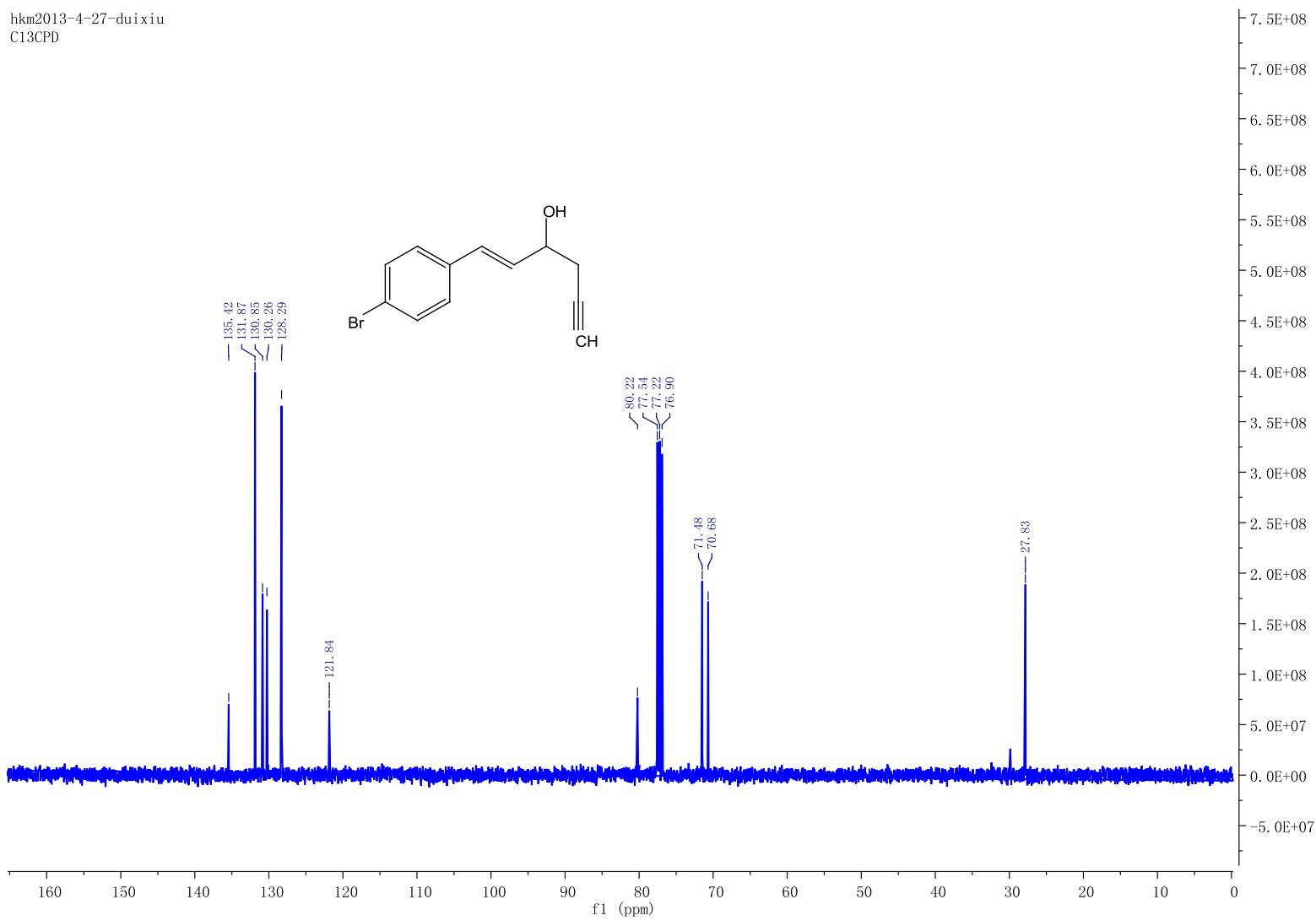
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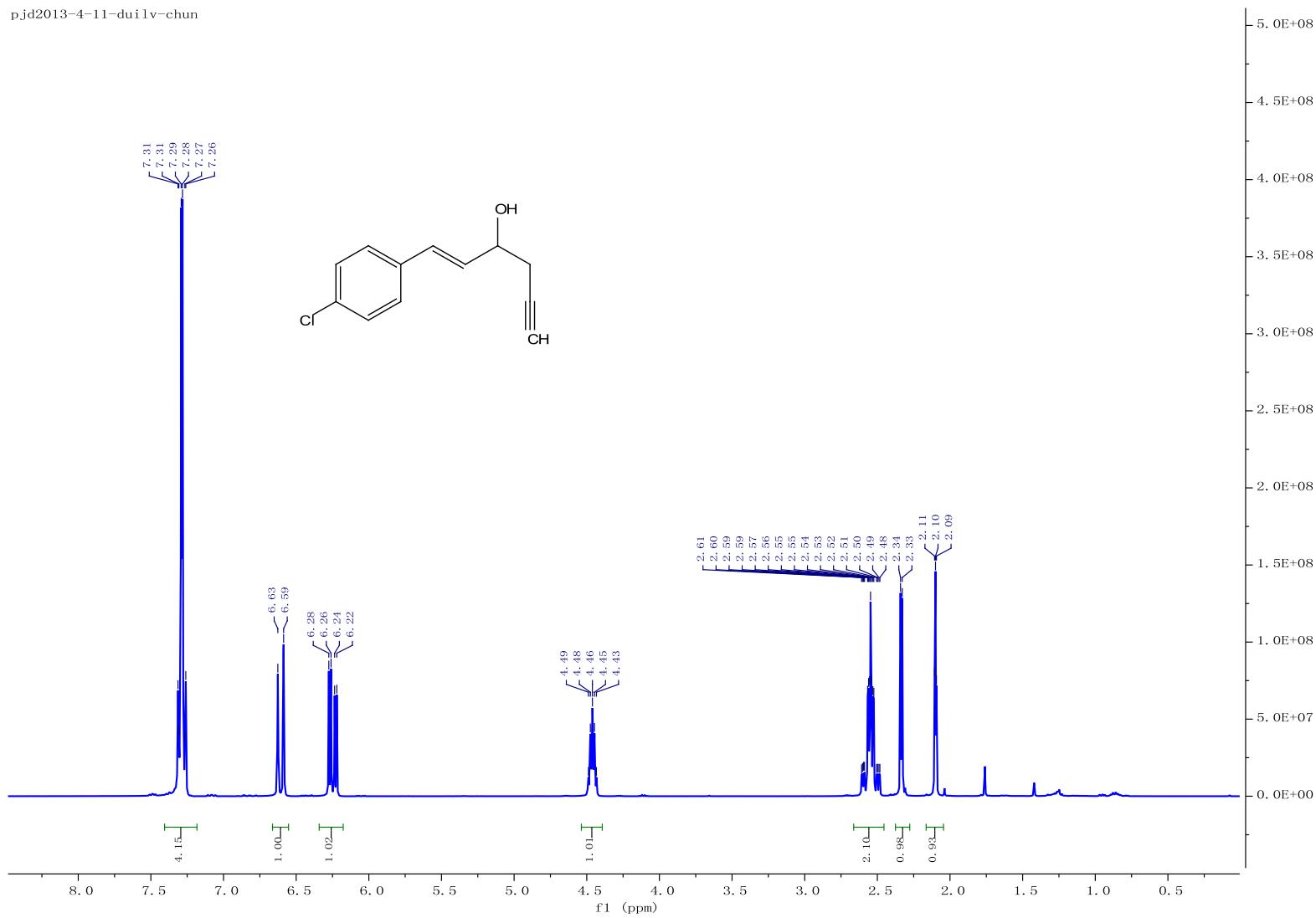
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PROTON



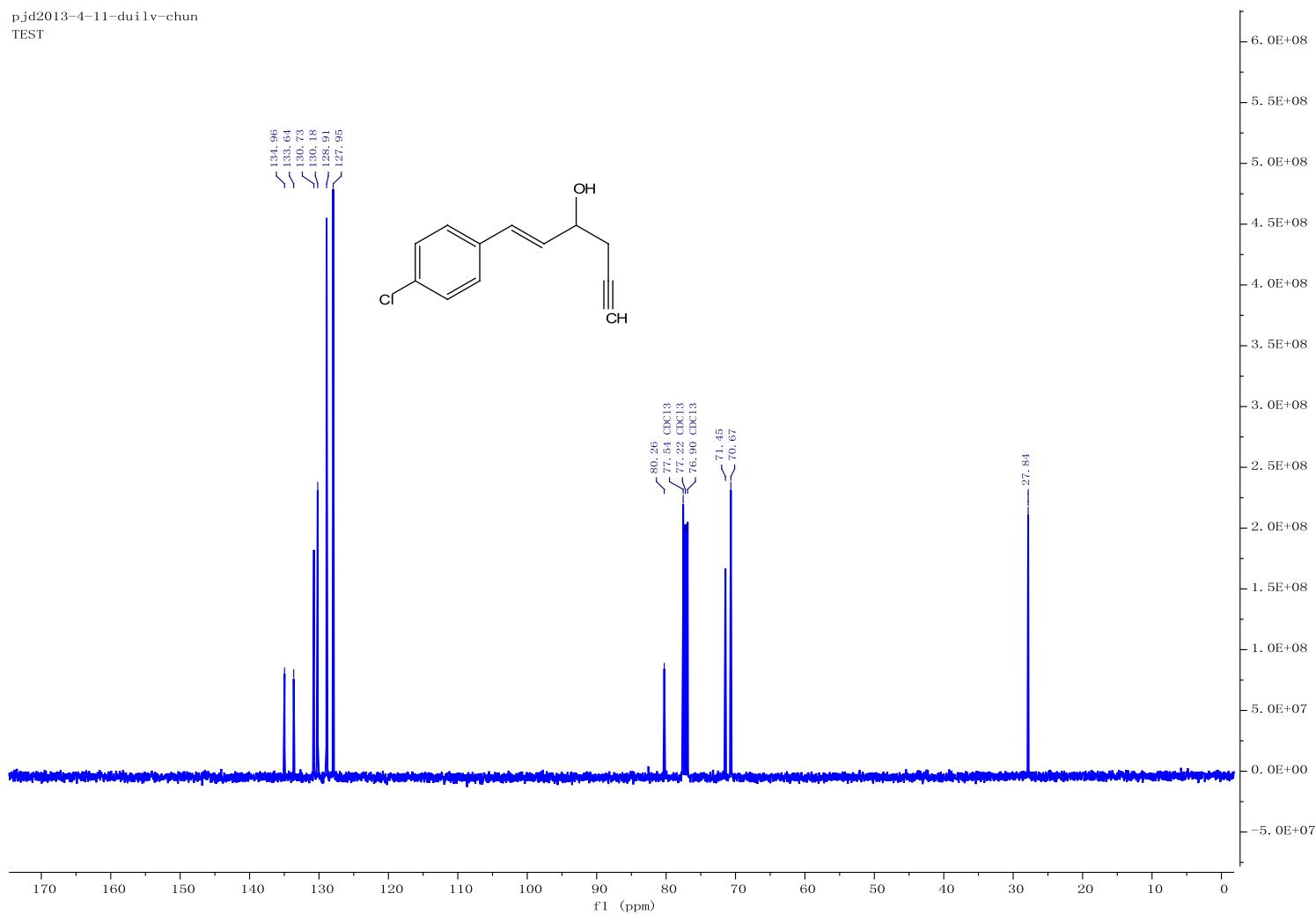
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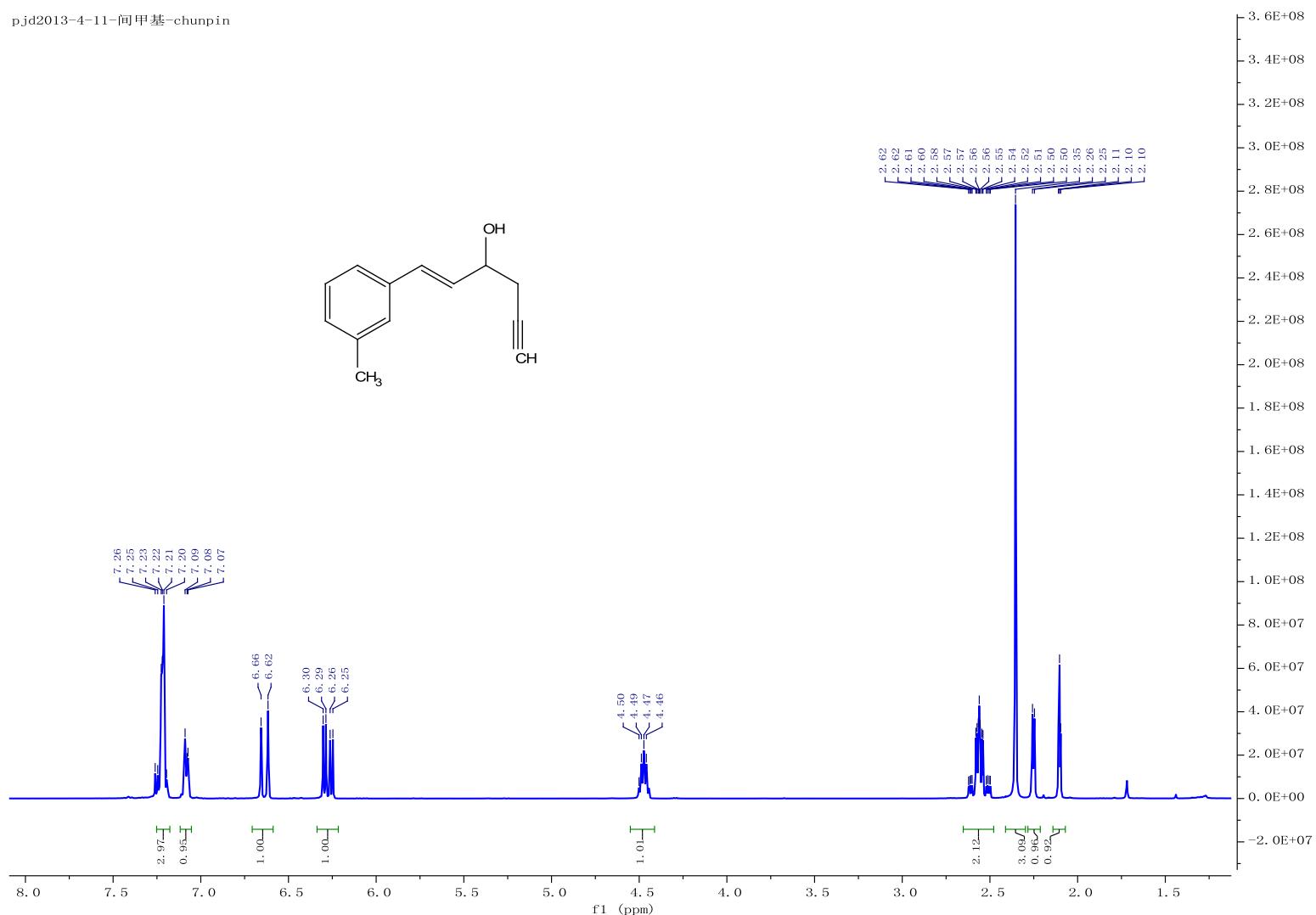
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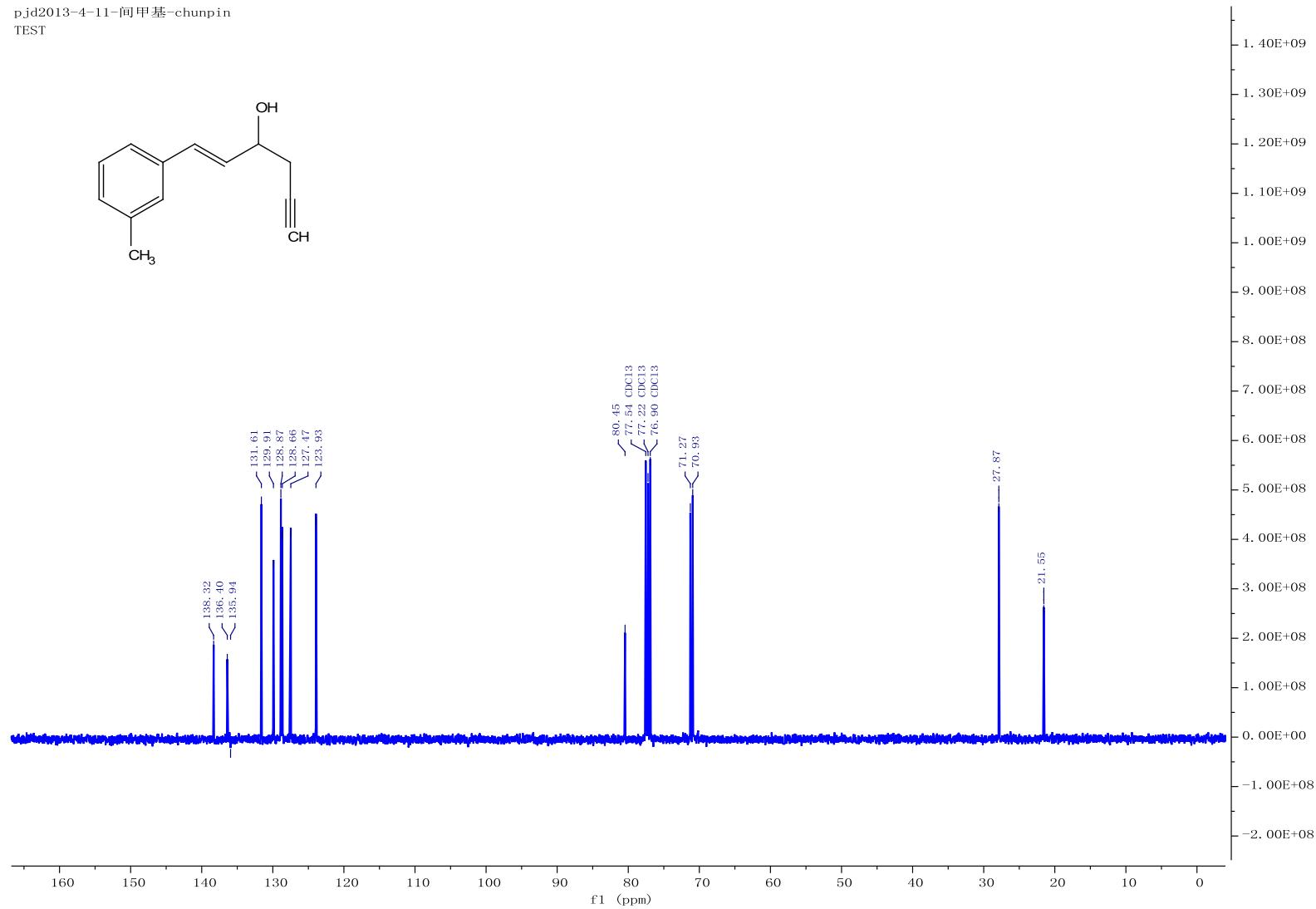
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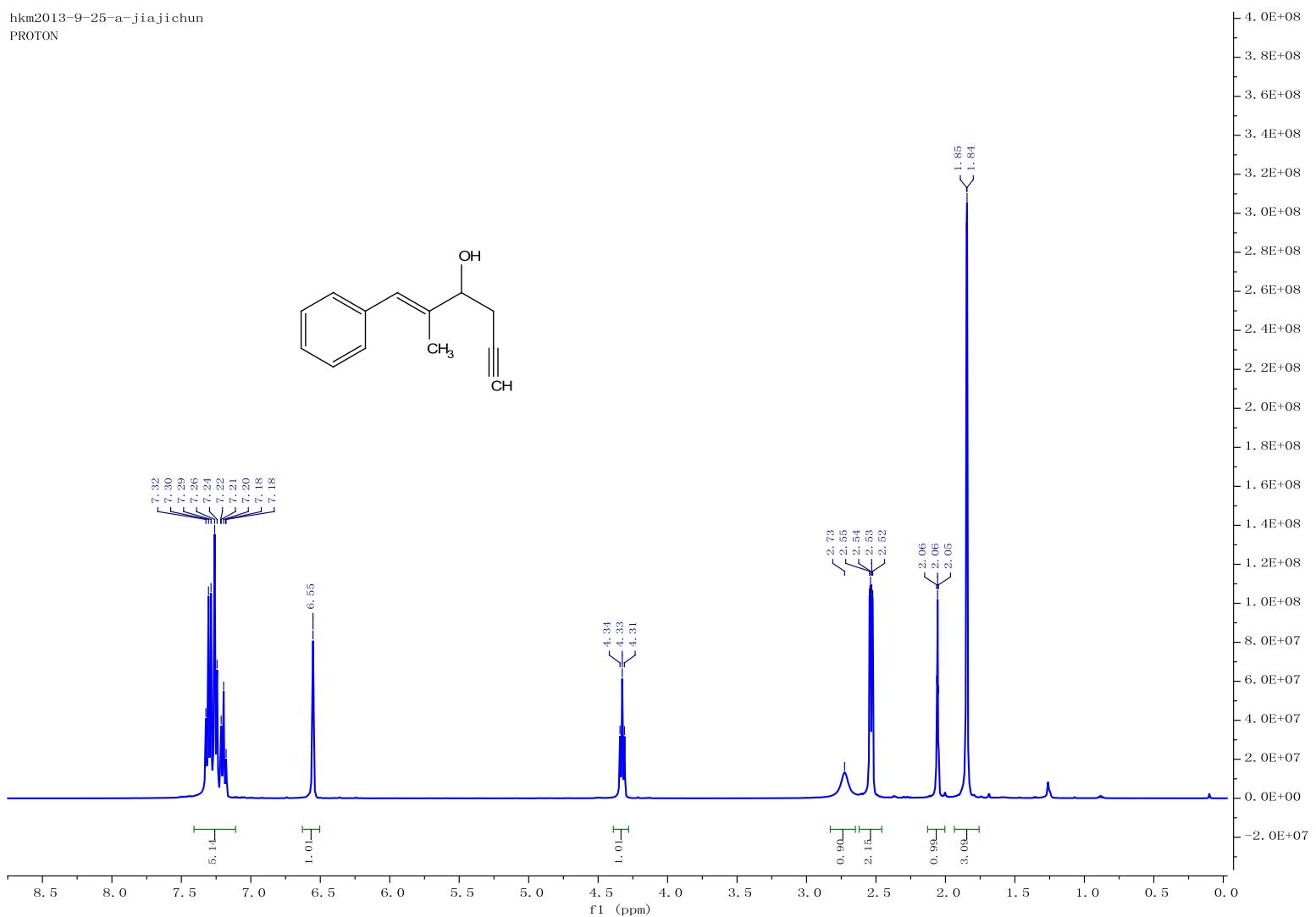
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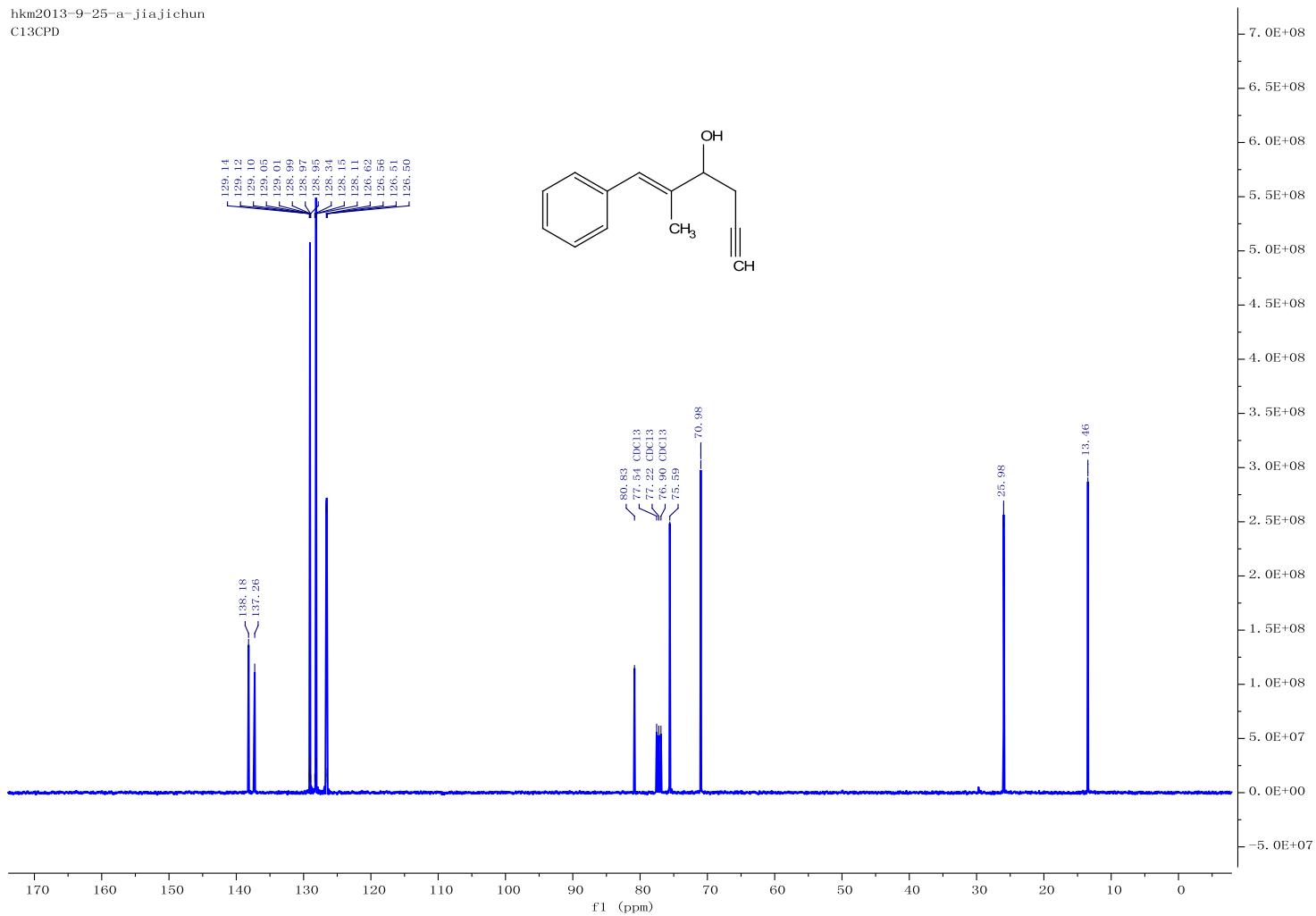
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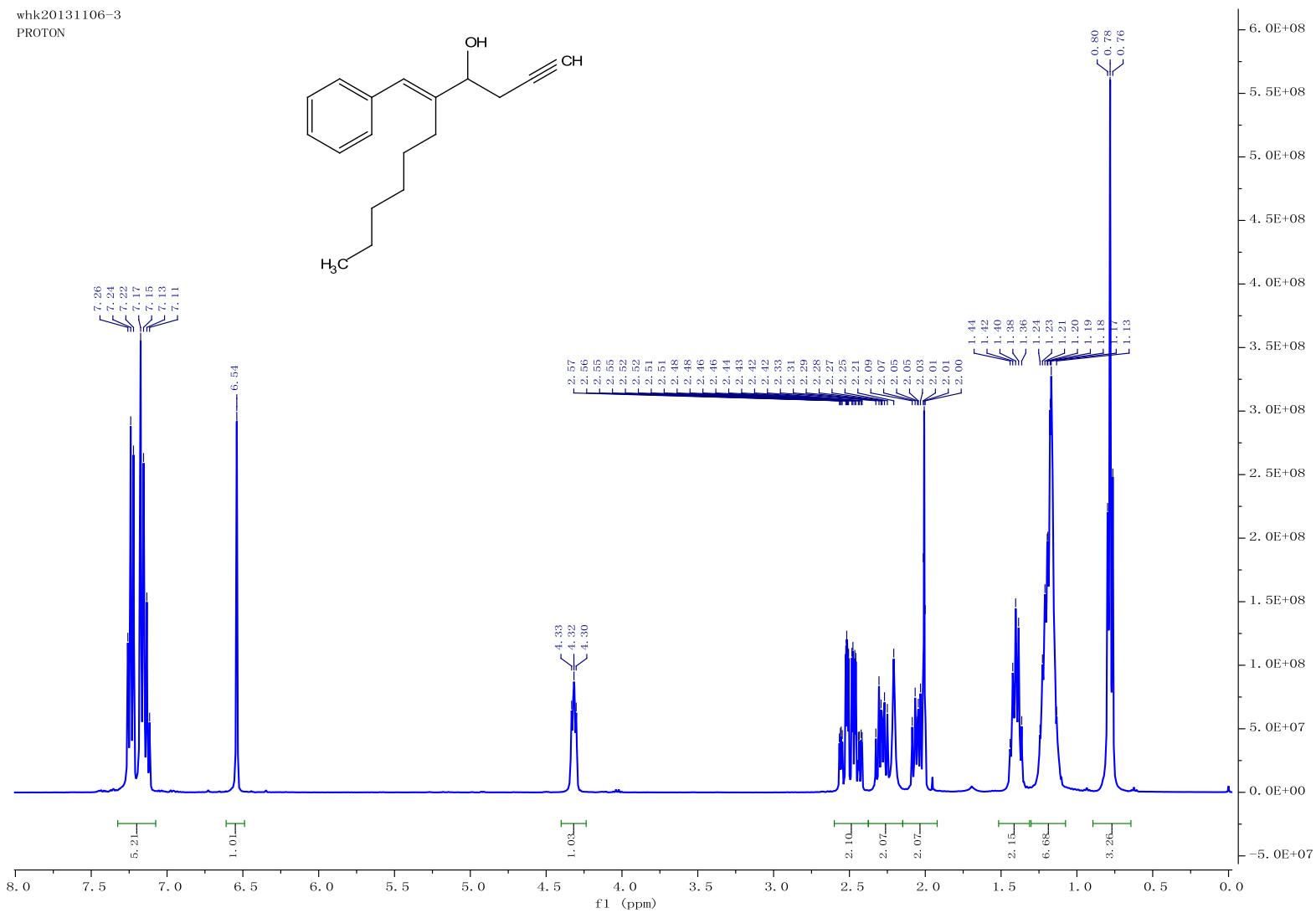
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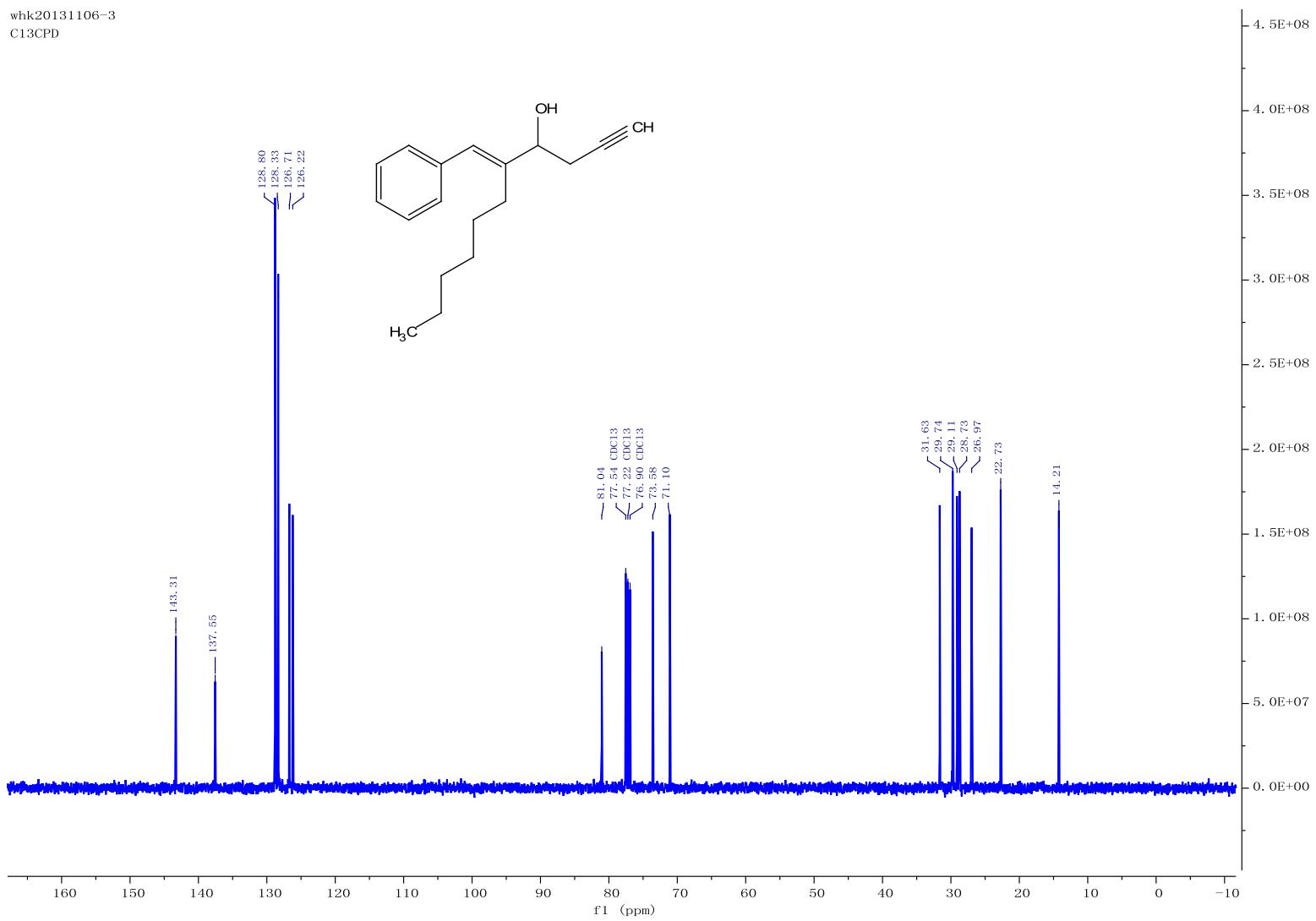
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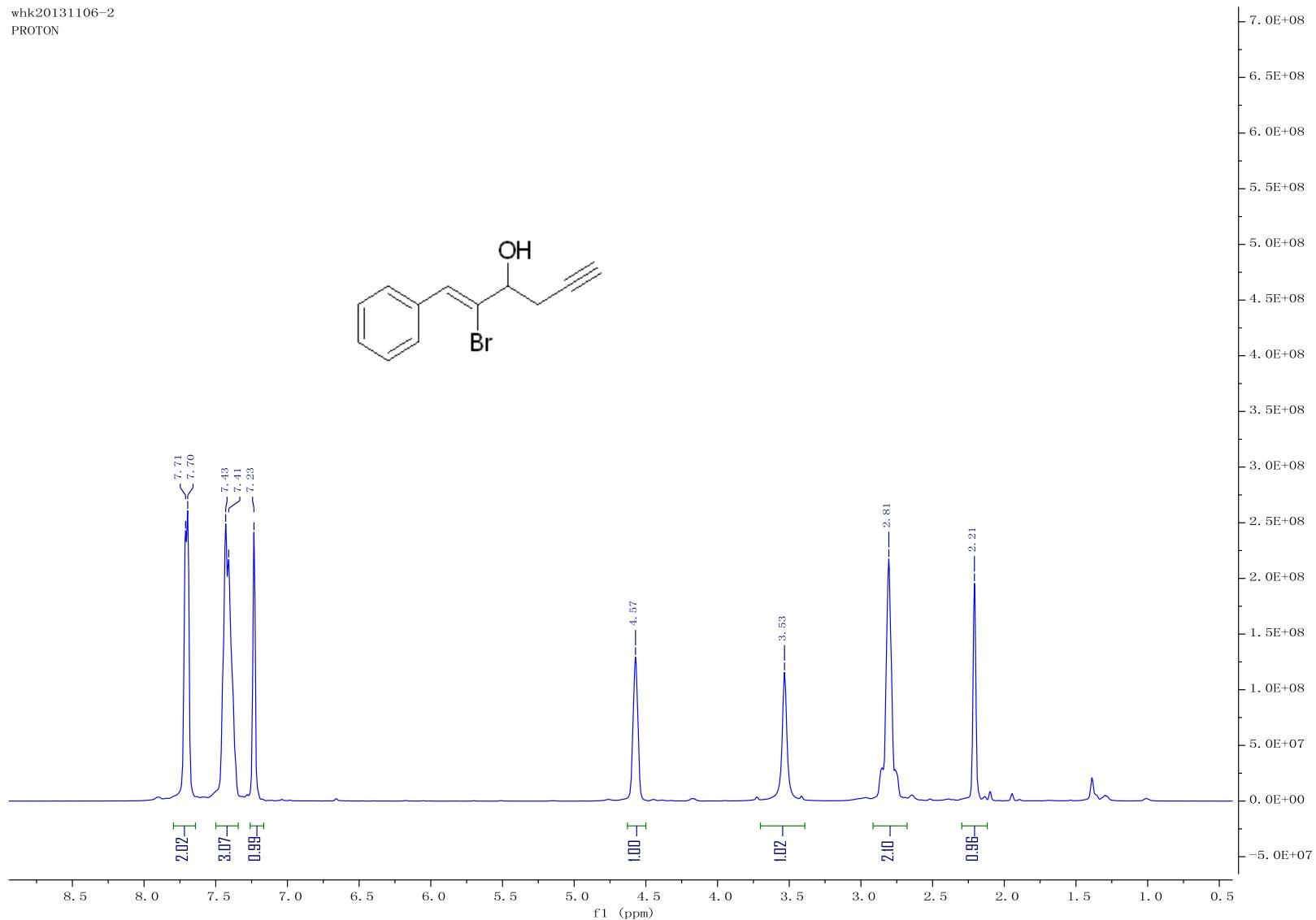
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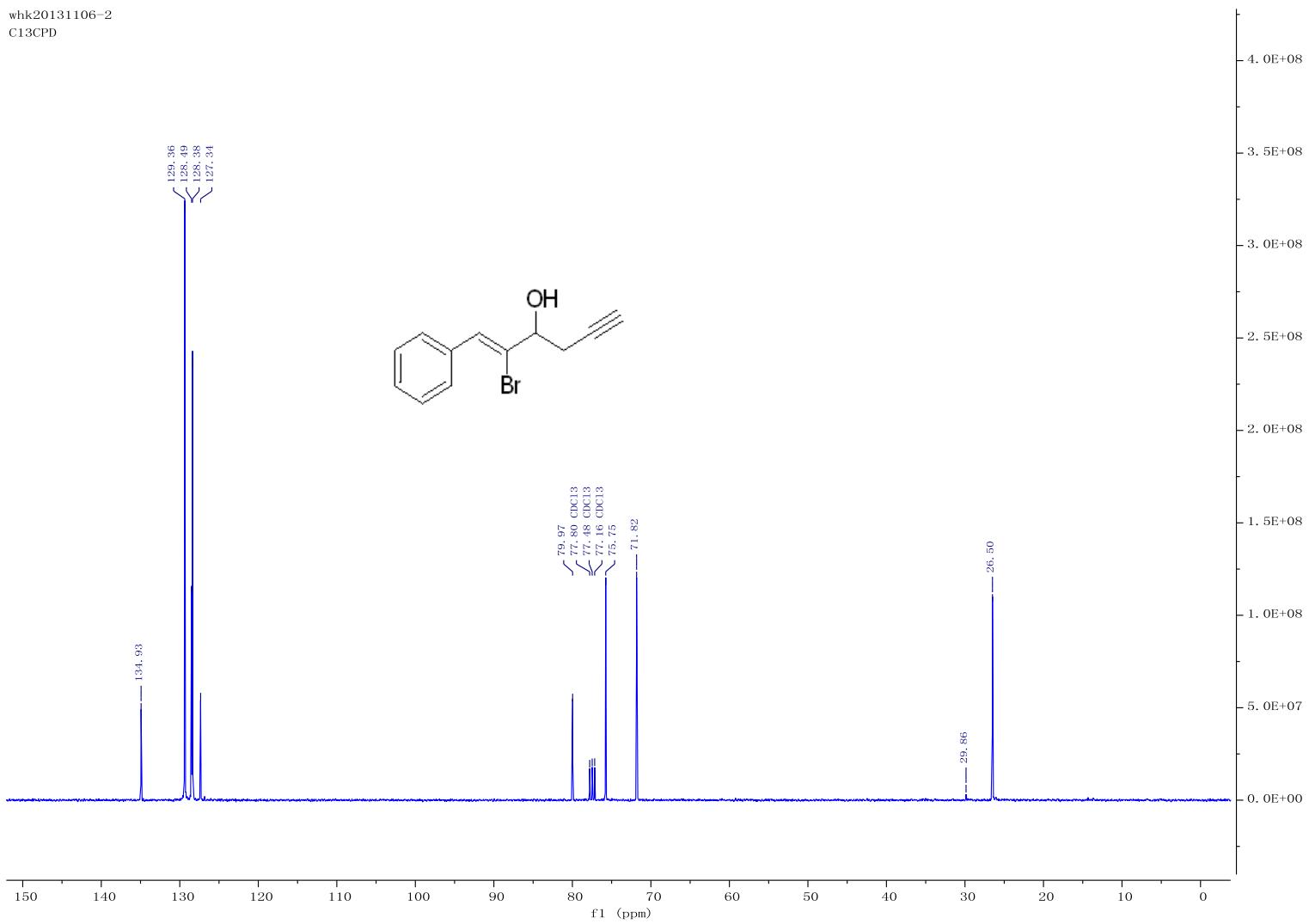
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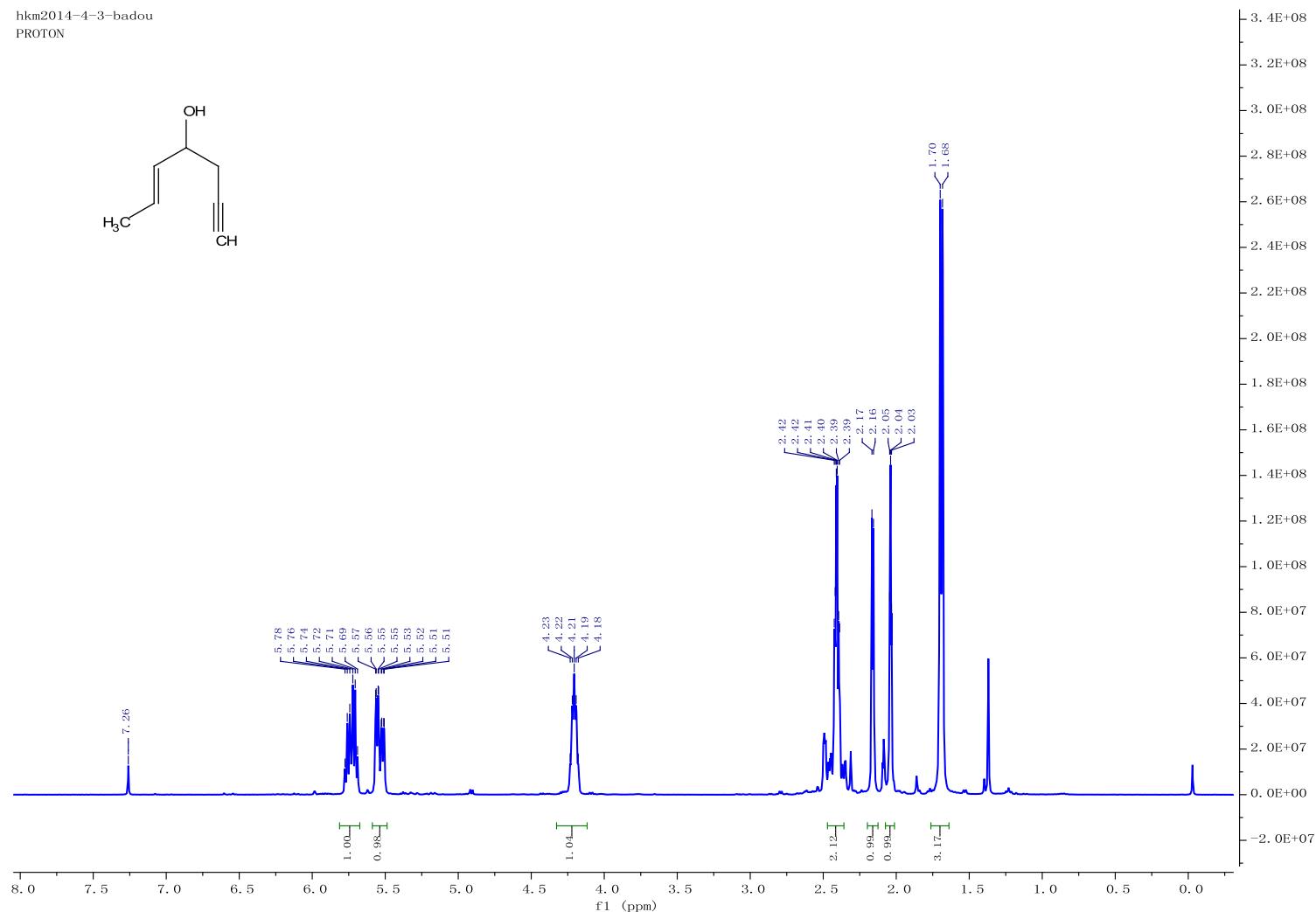
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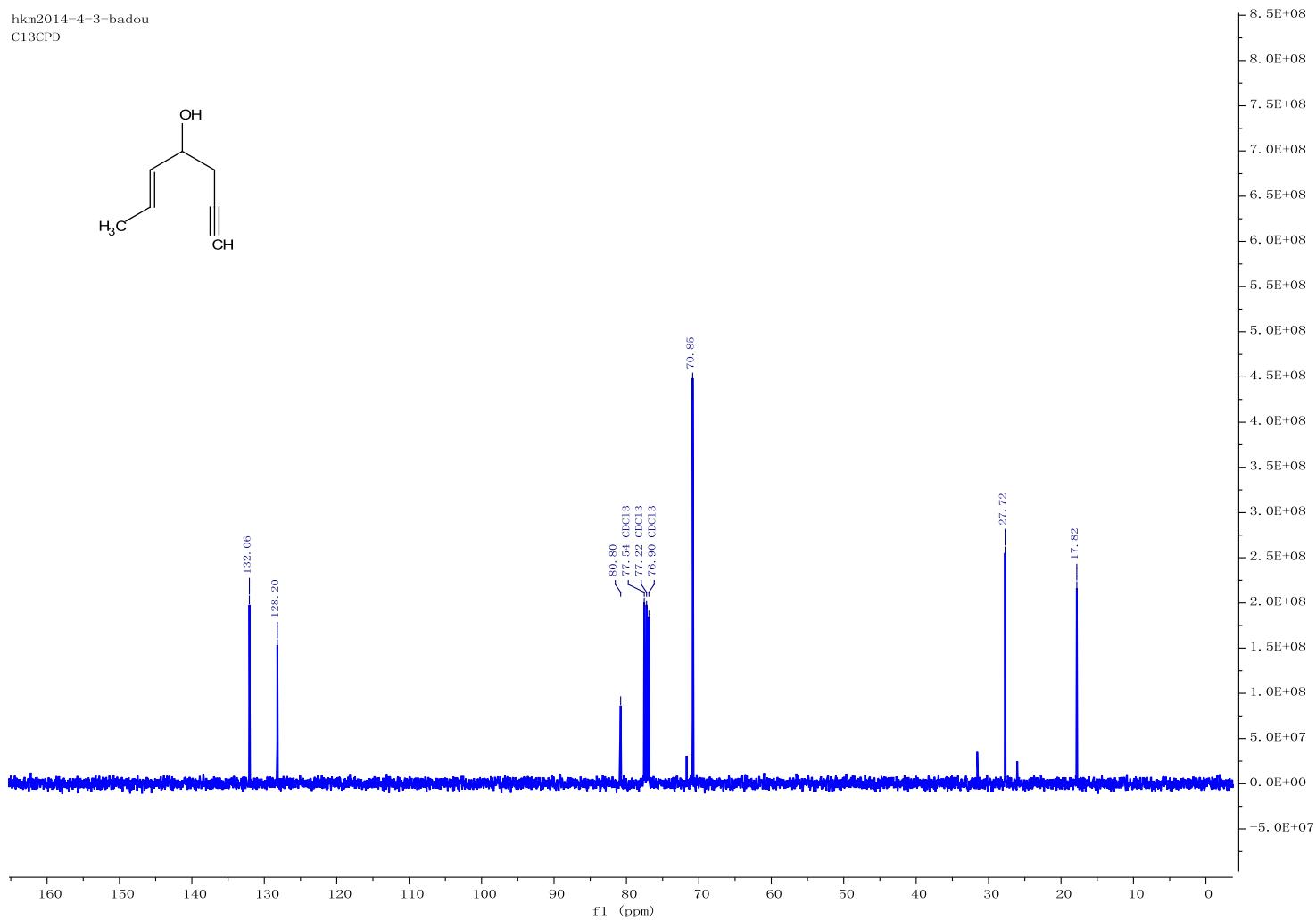
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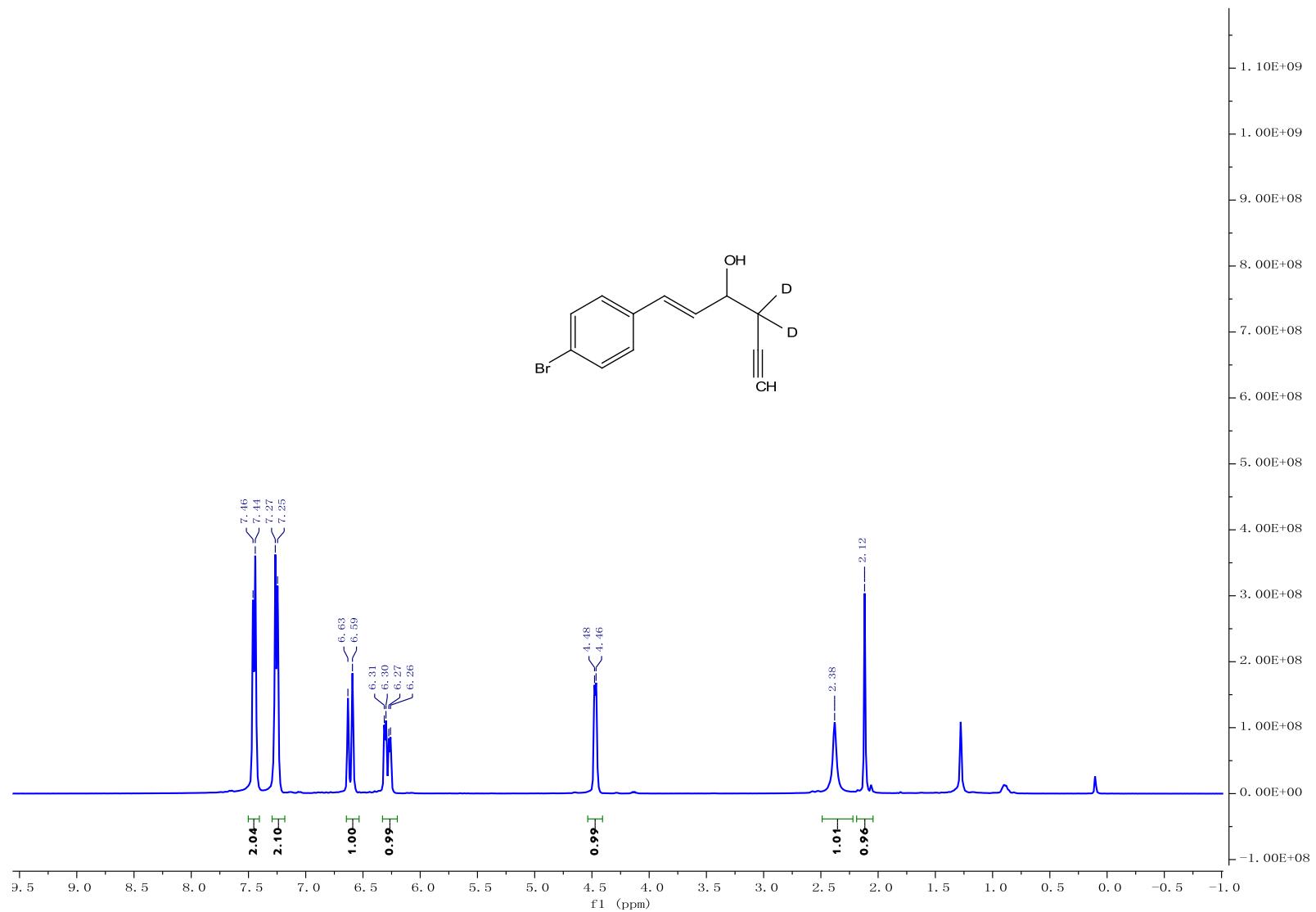


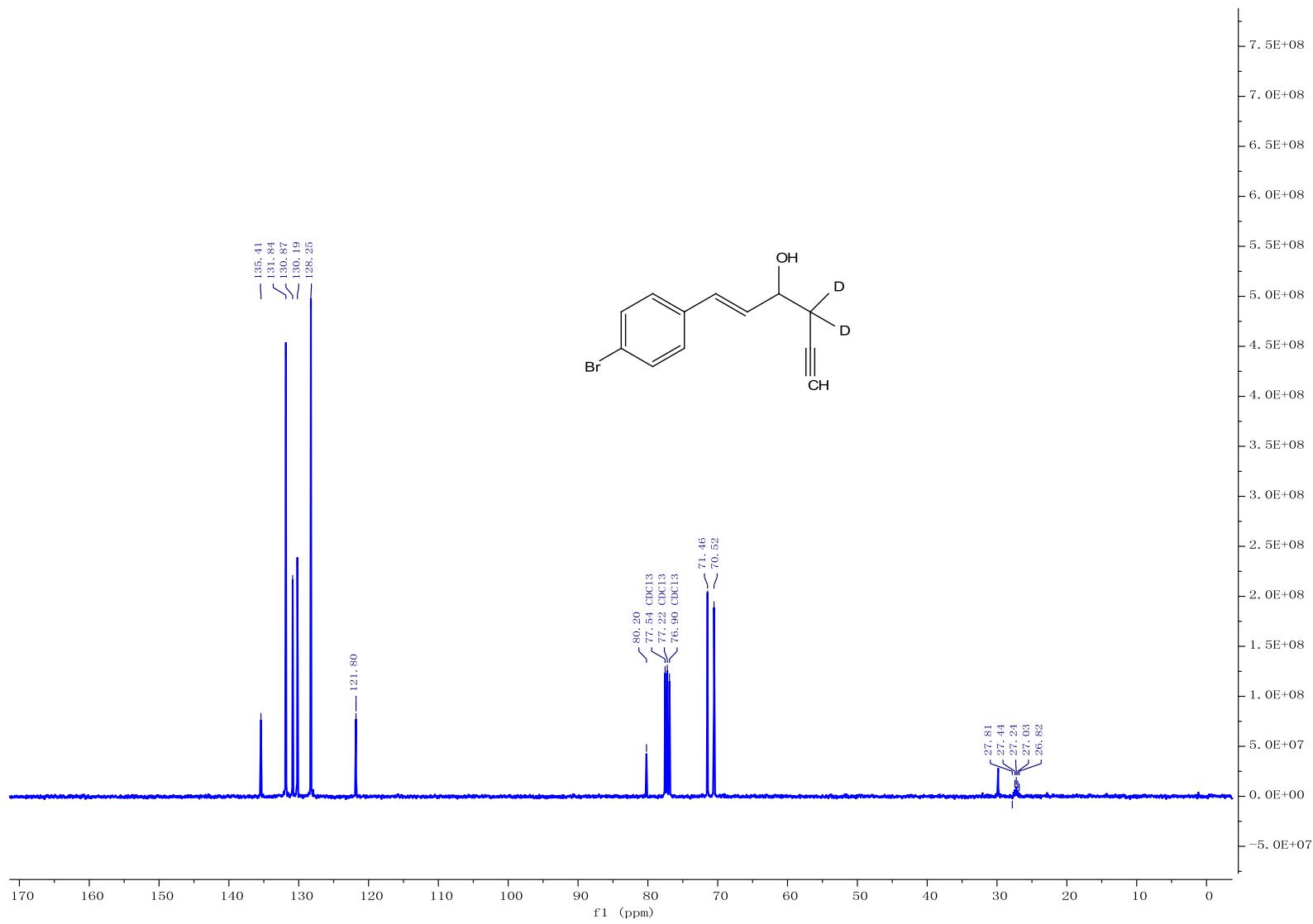
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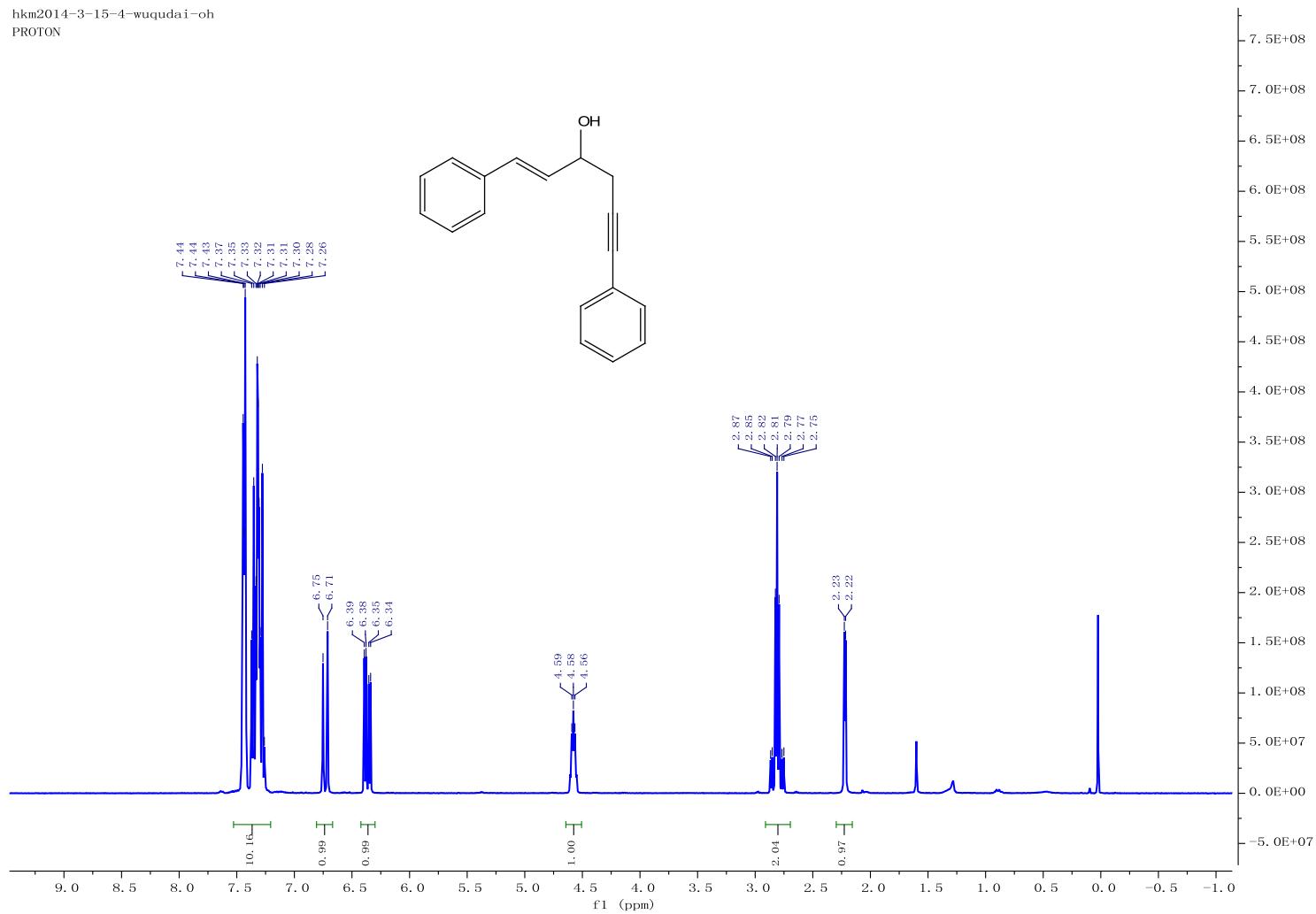
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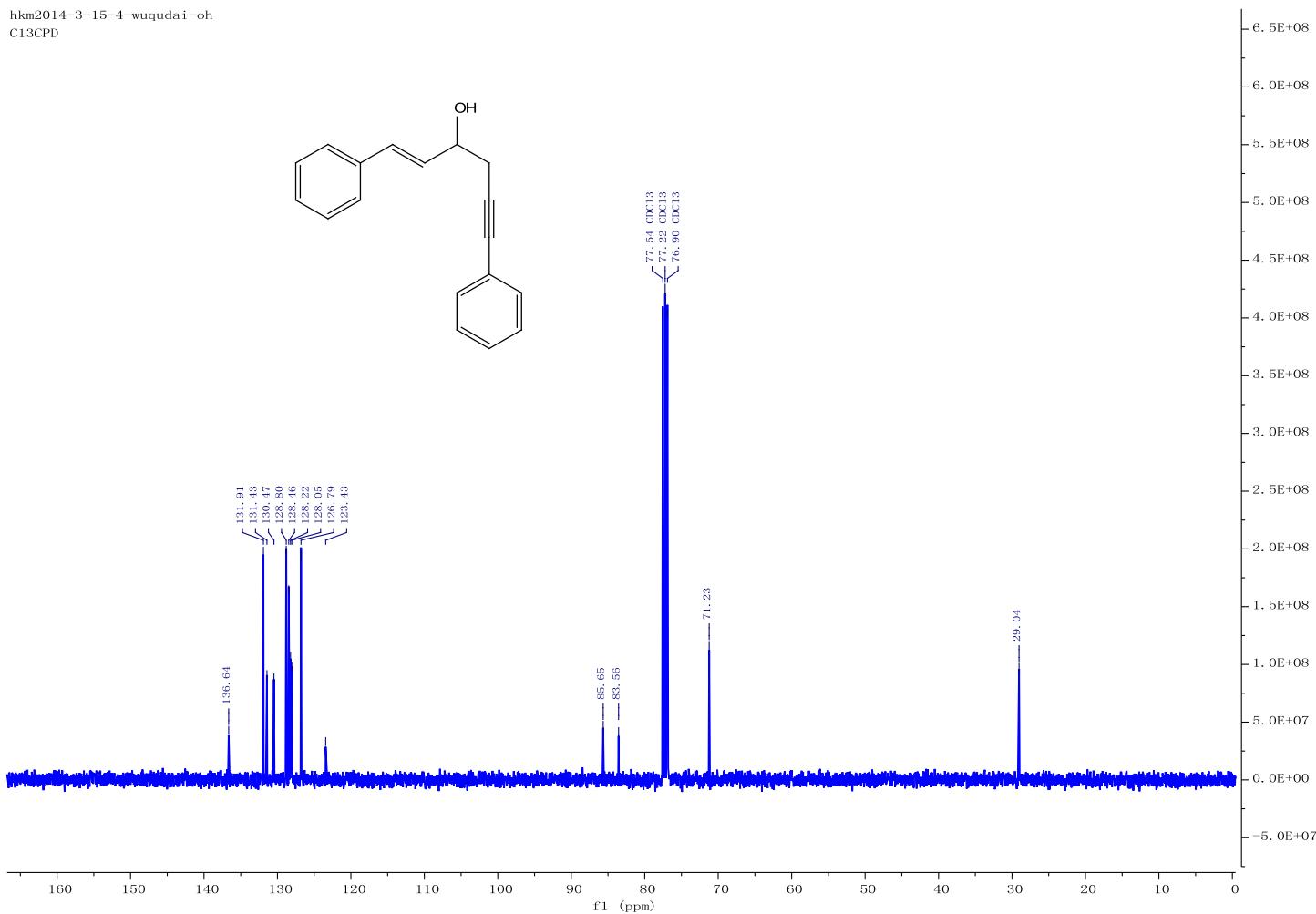




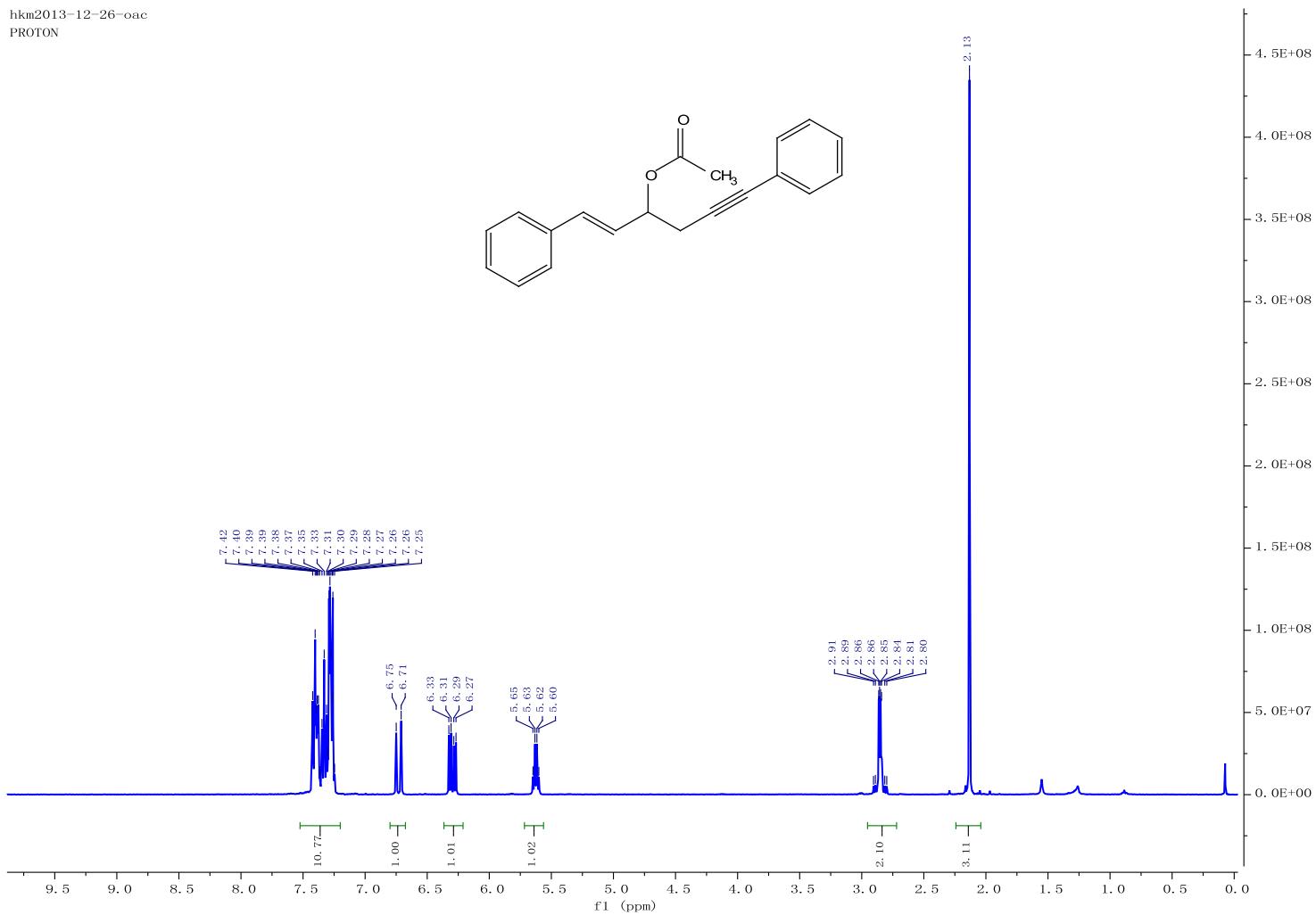
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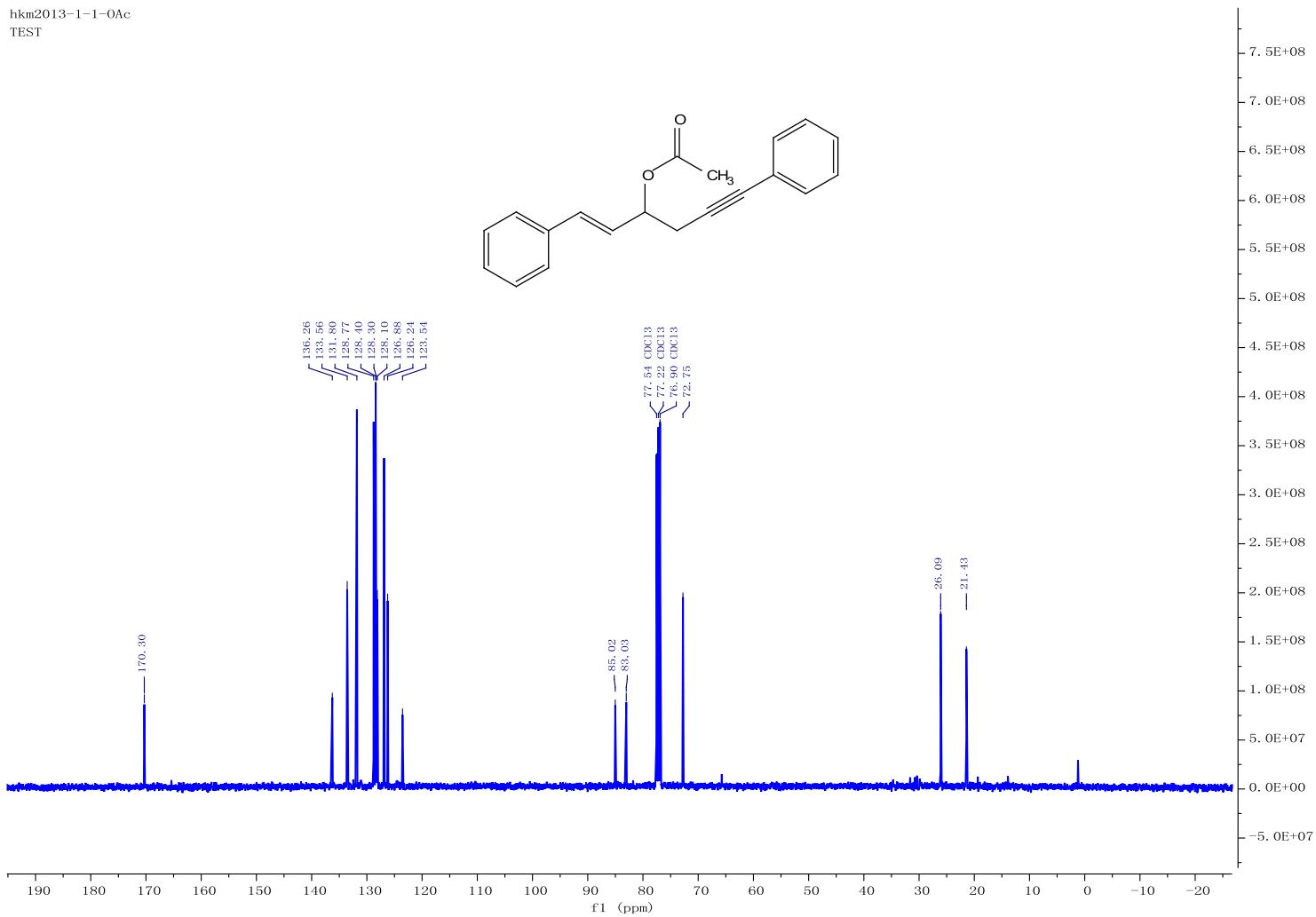
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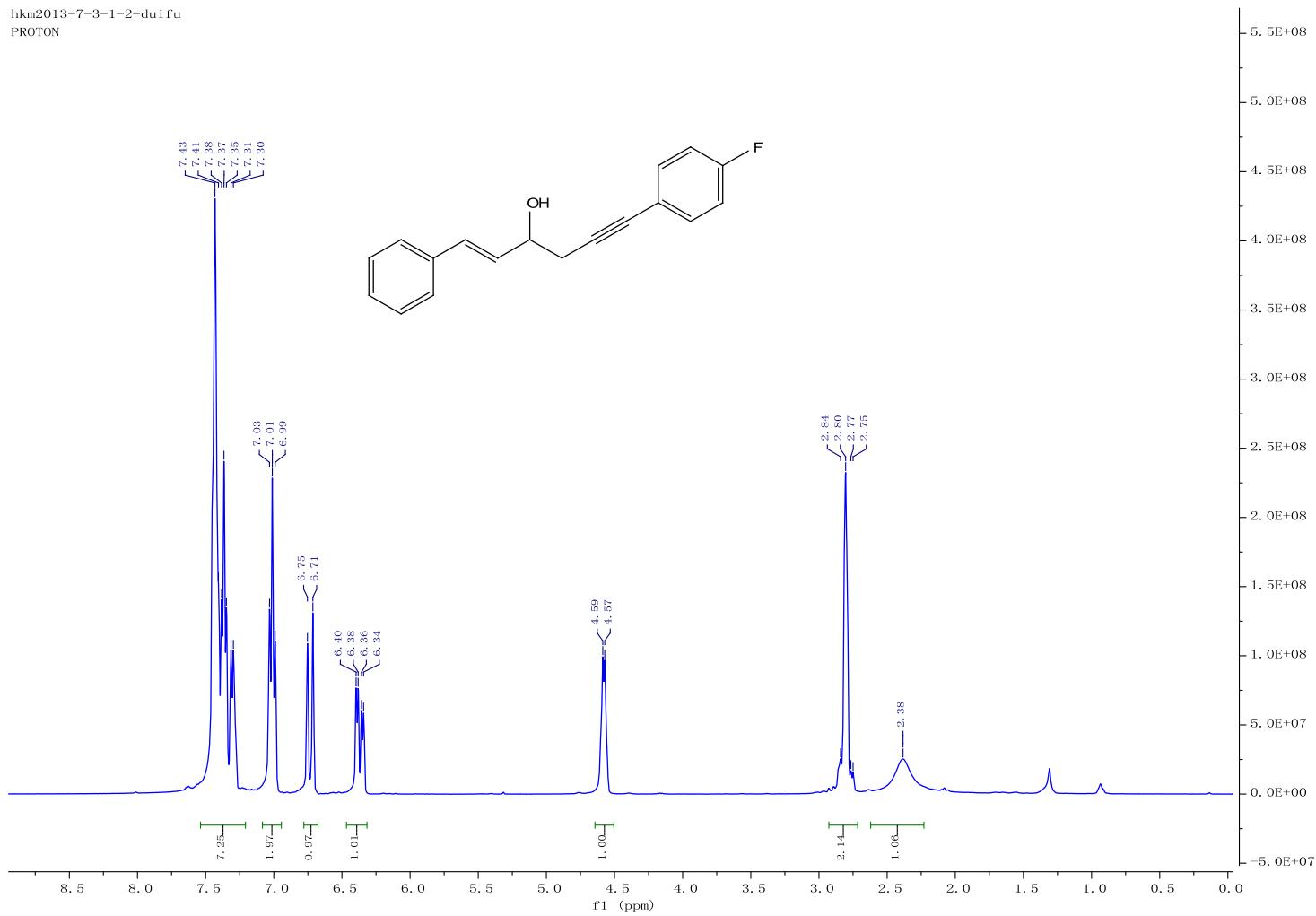
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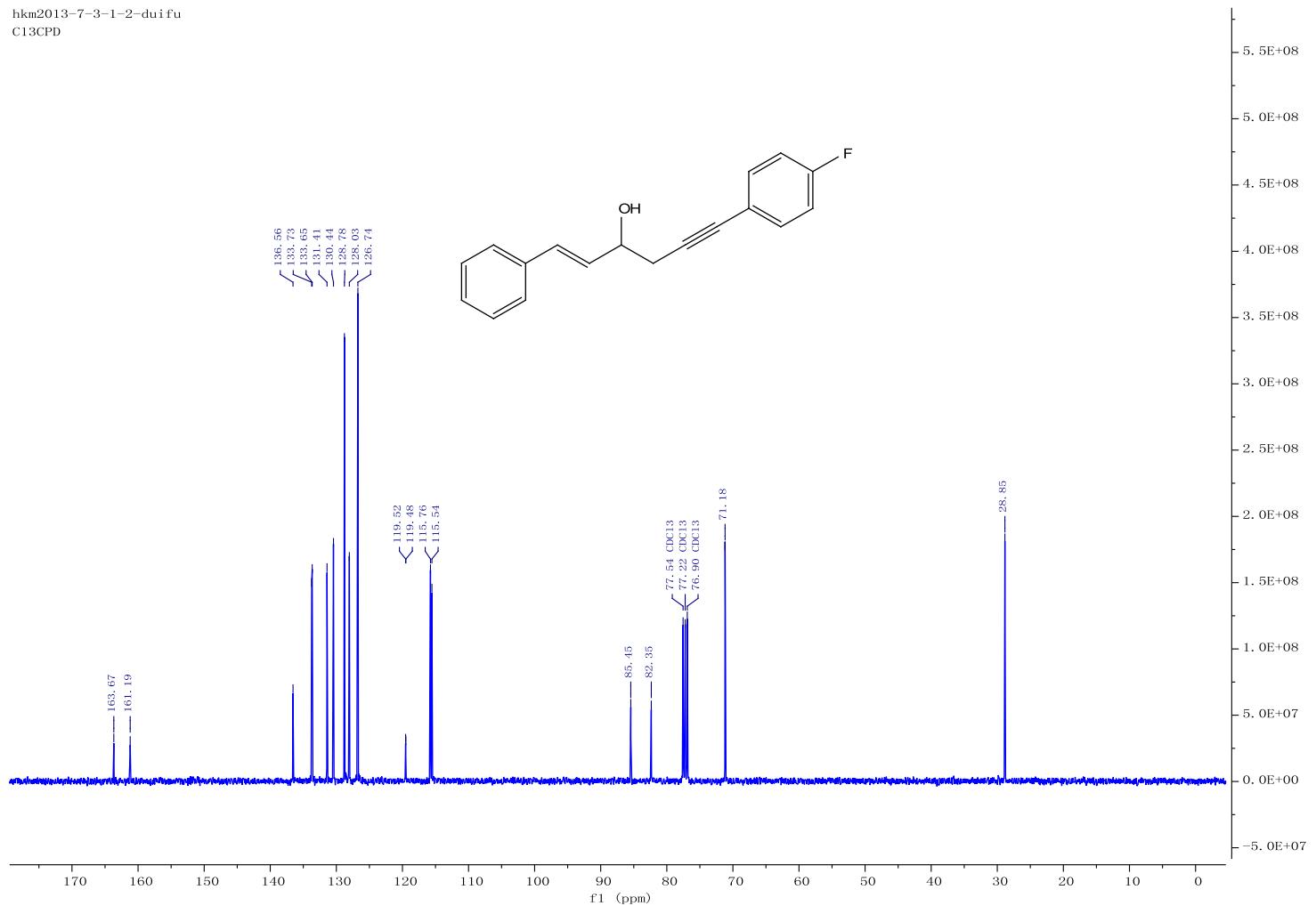
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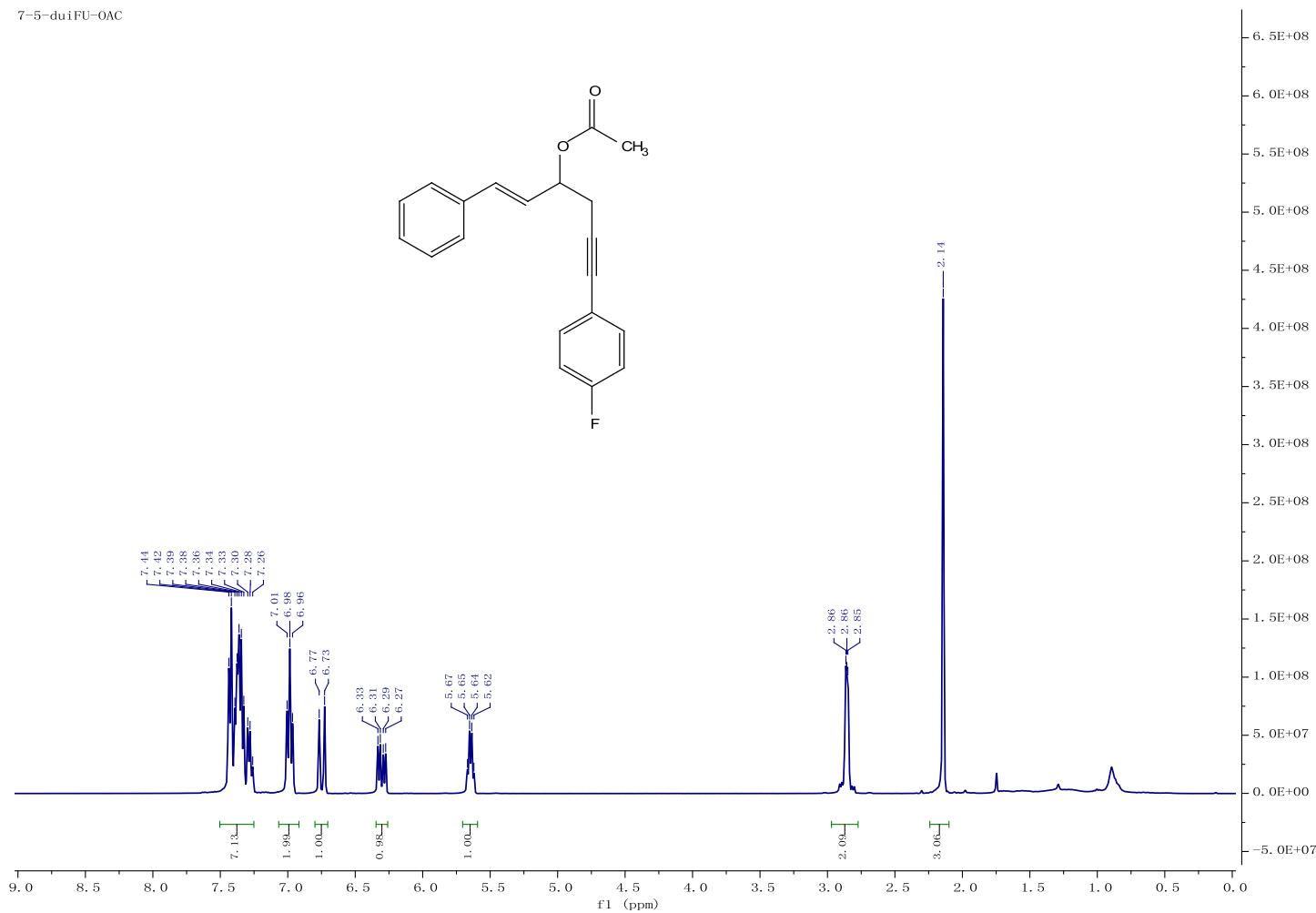
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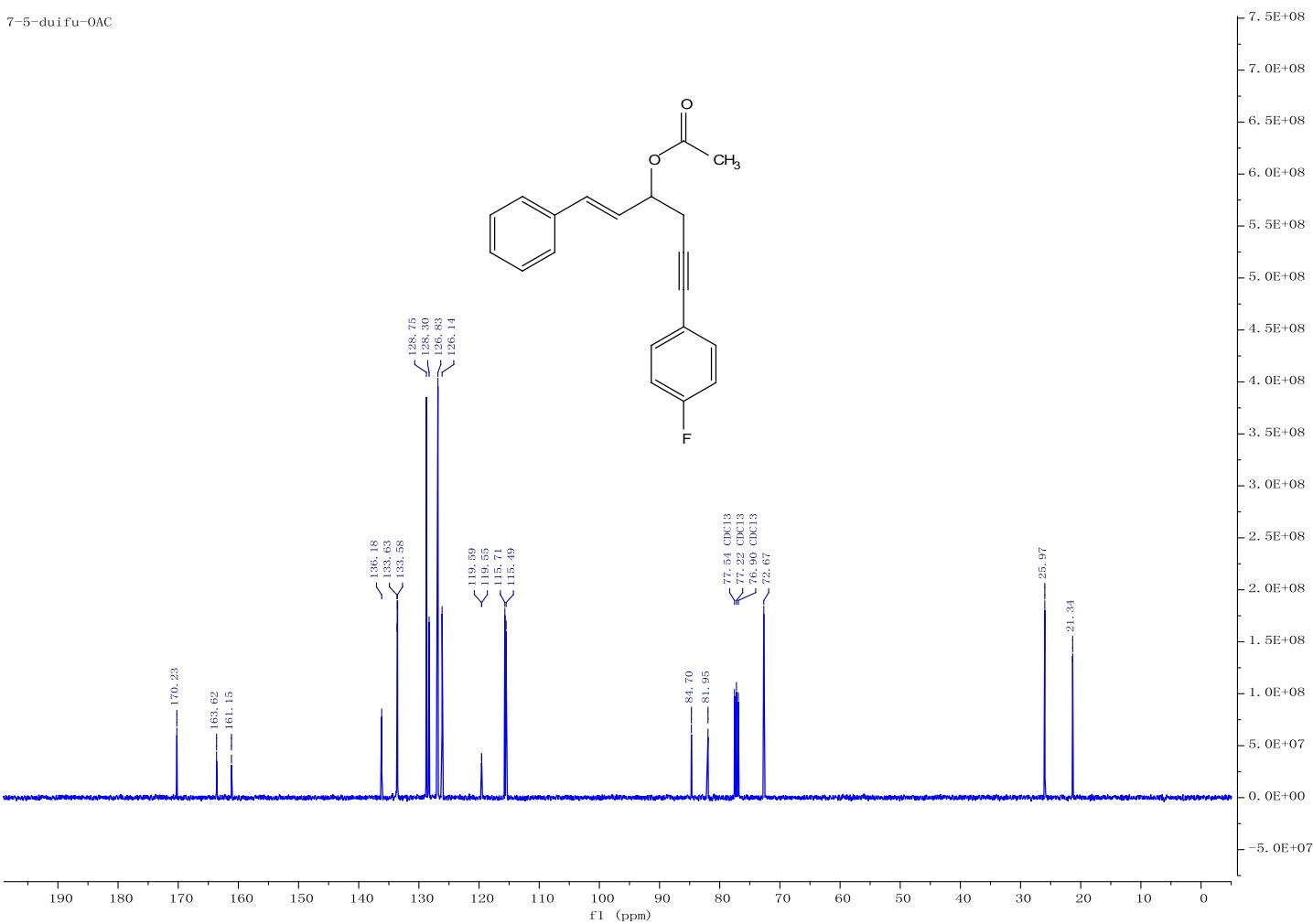
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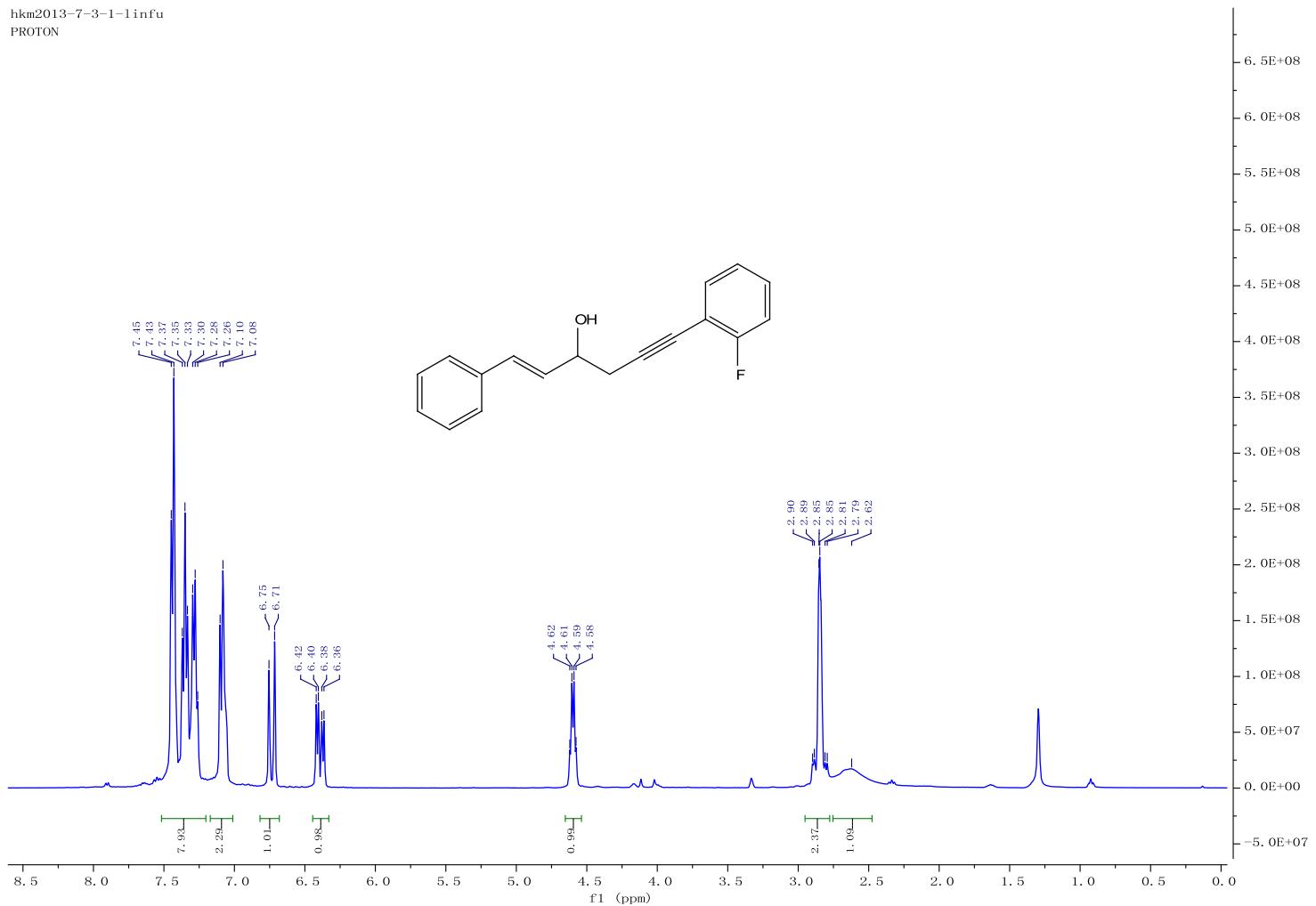
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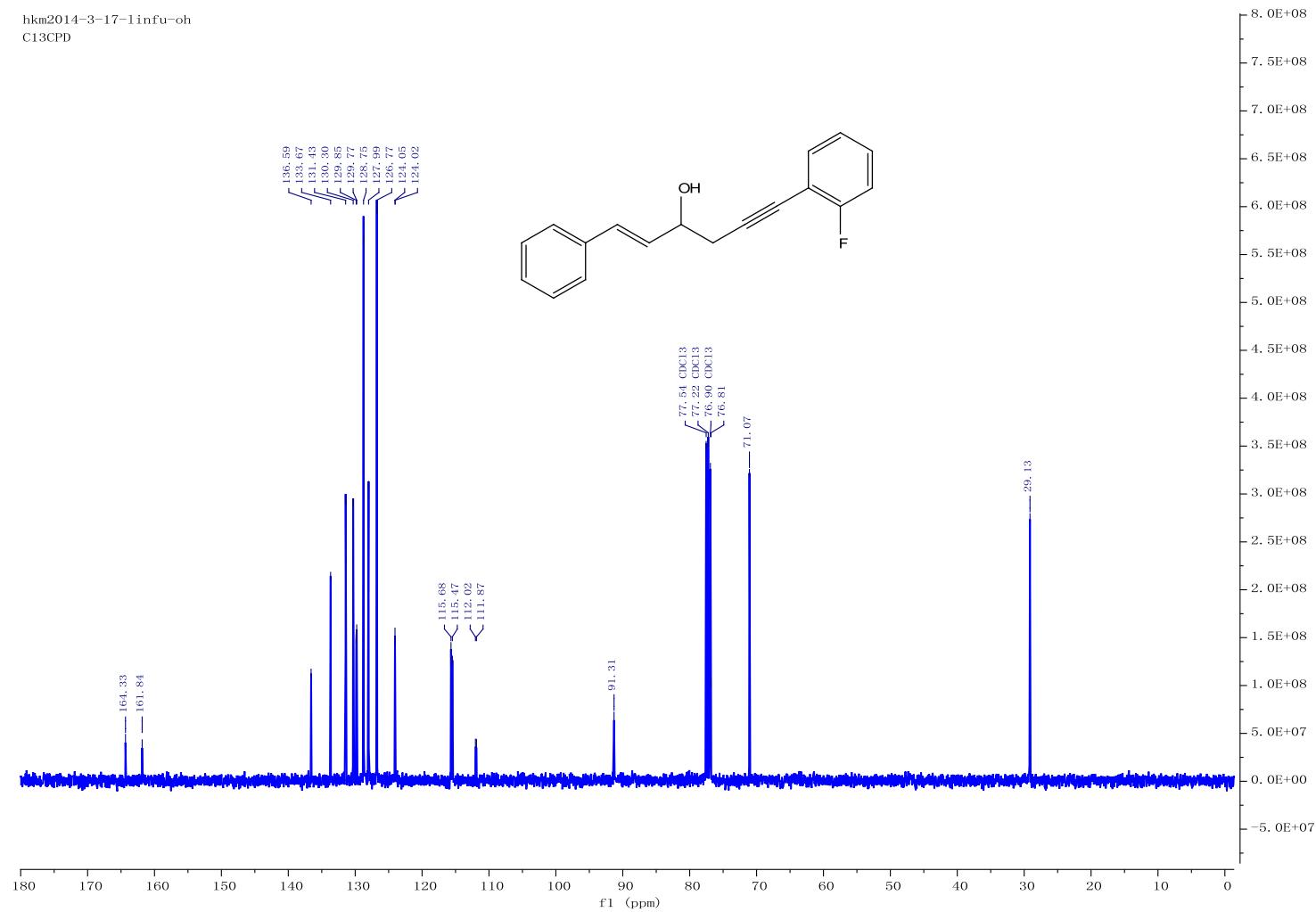
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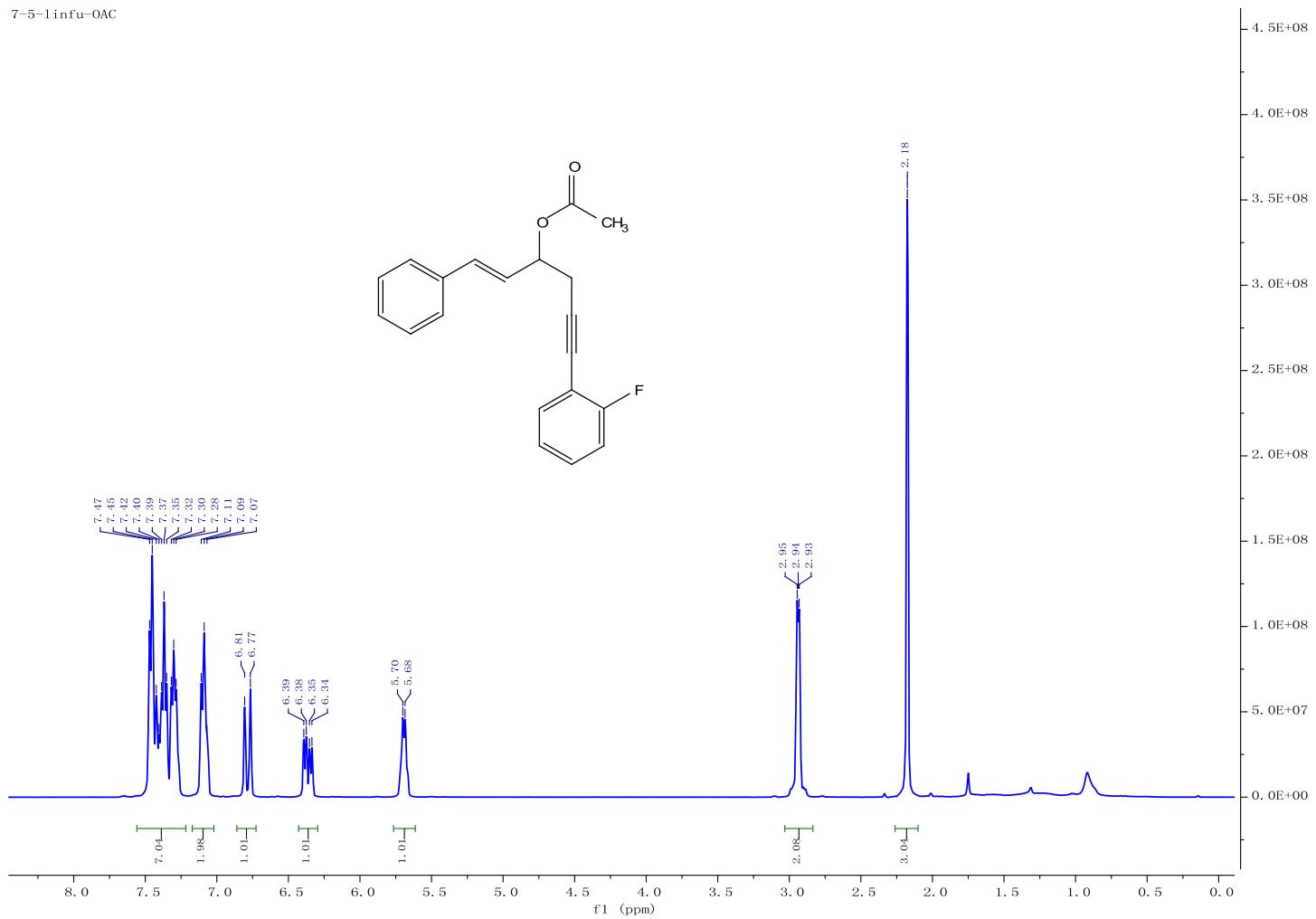
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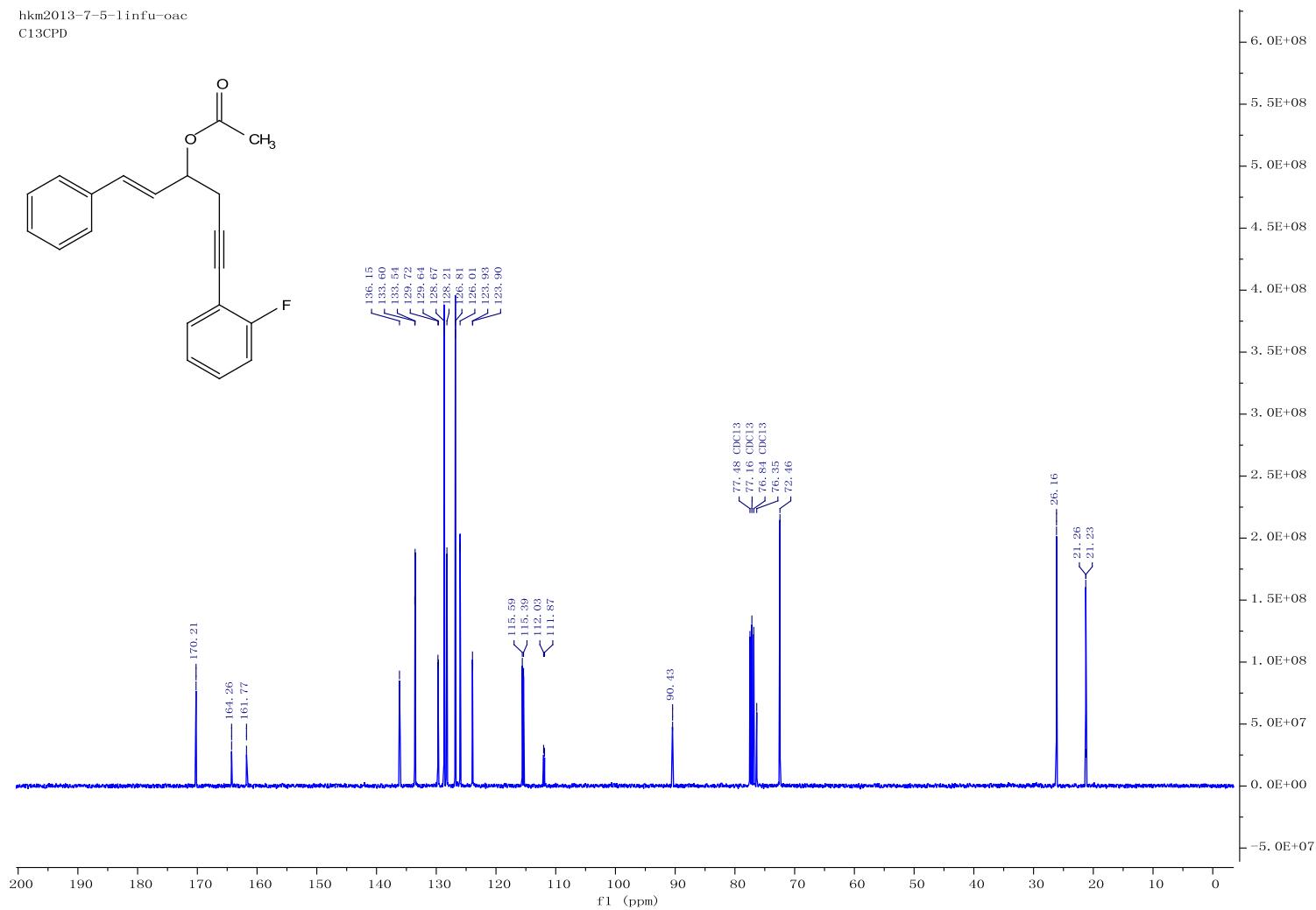
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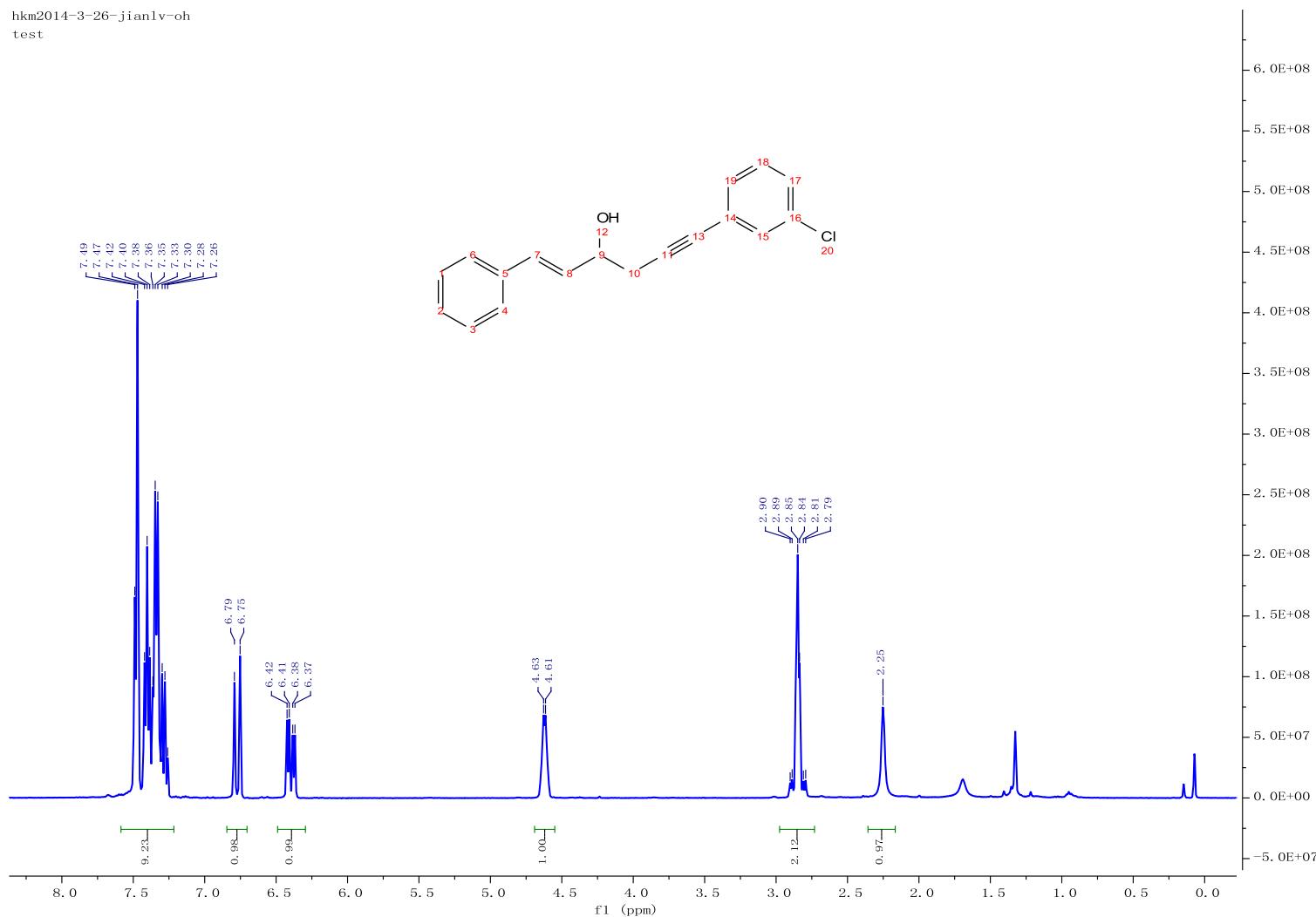
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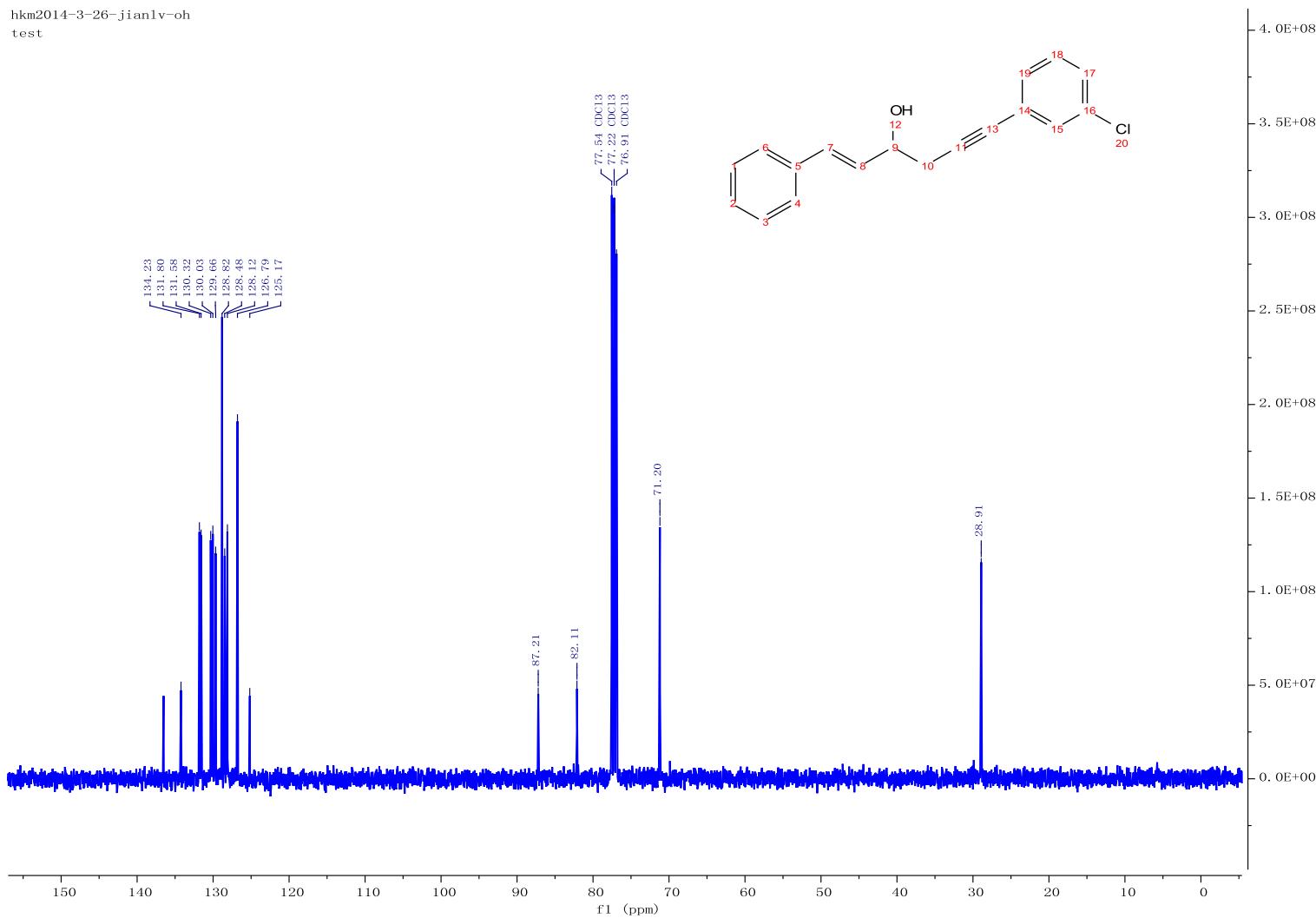
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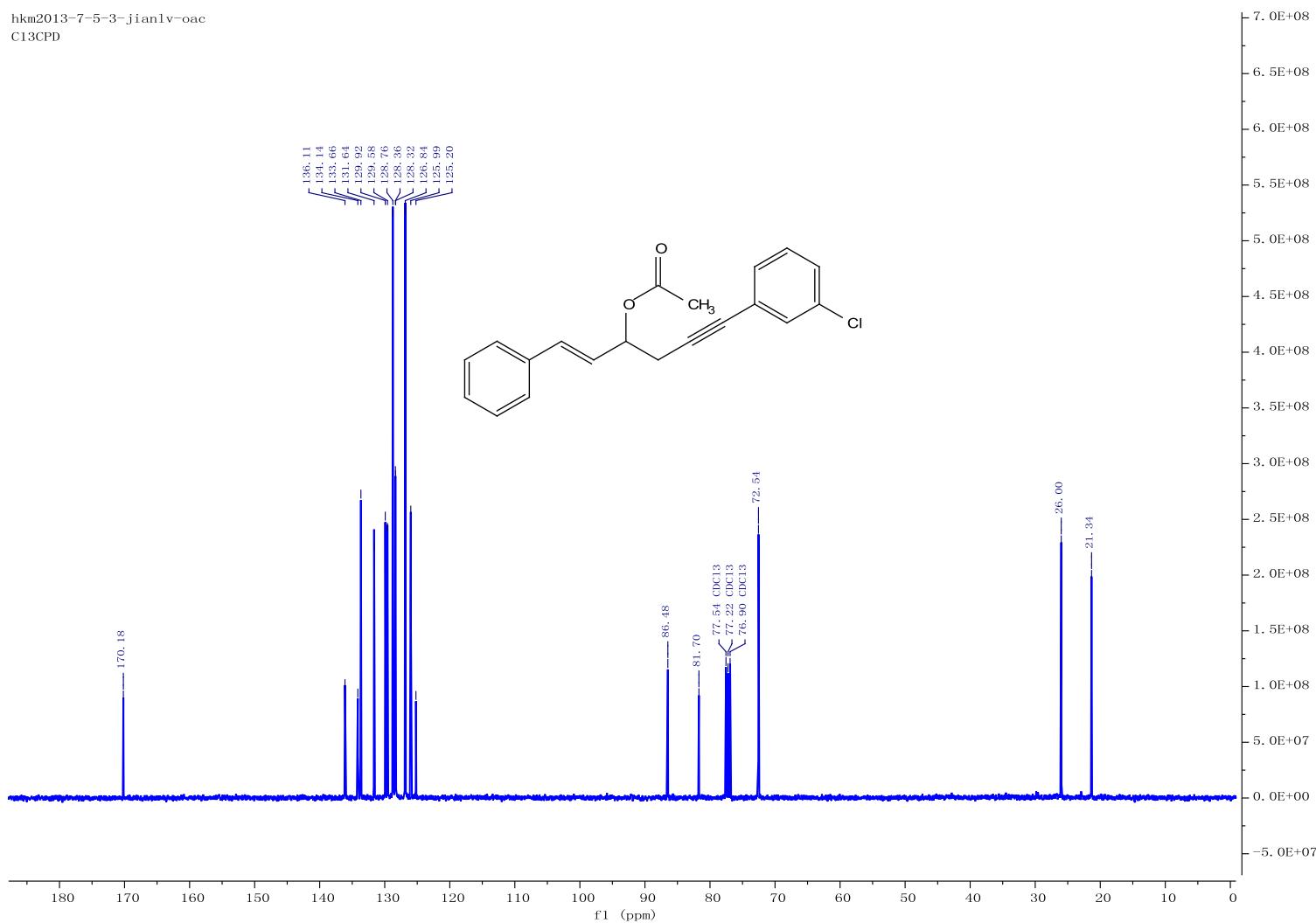
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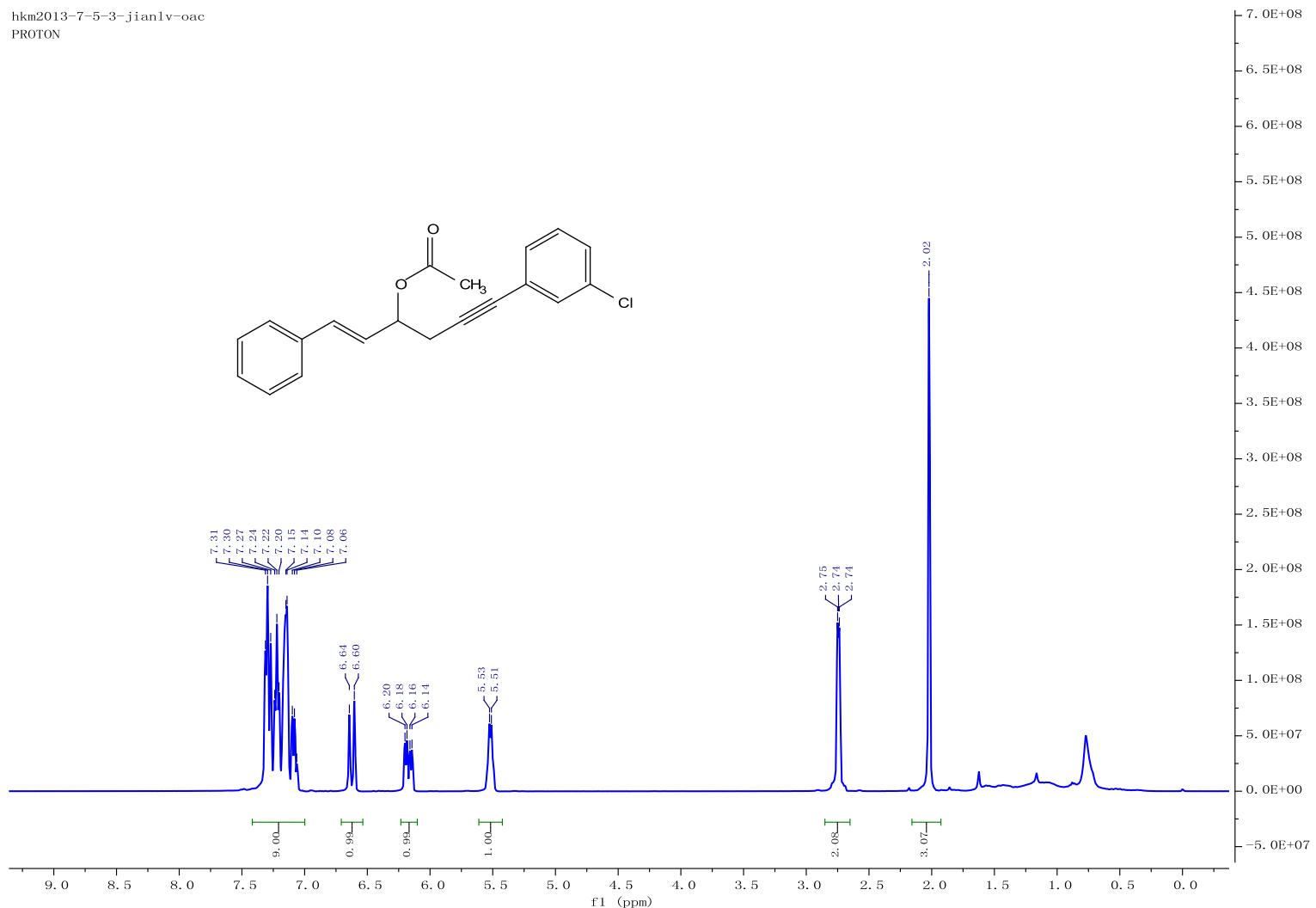
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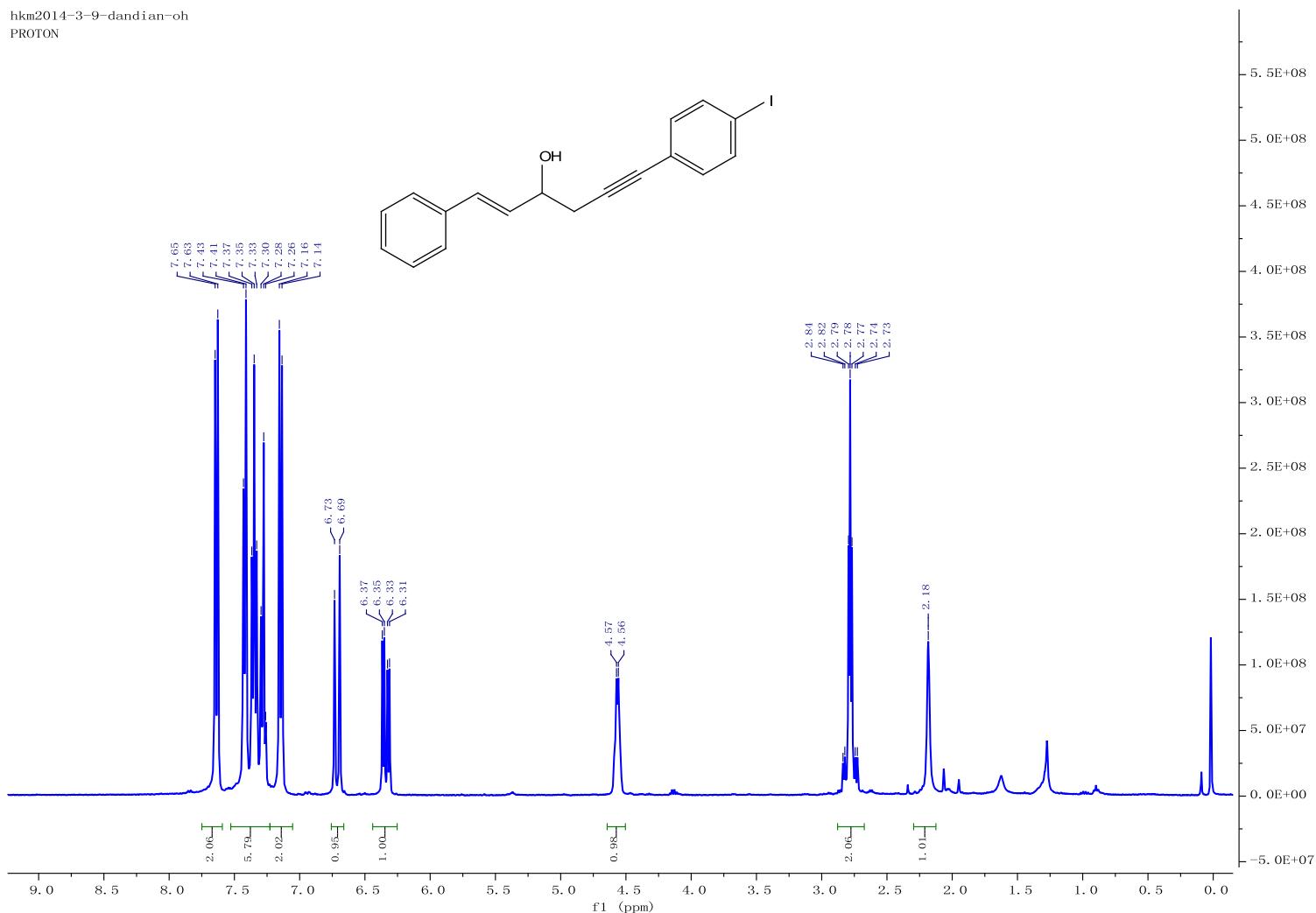
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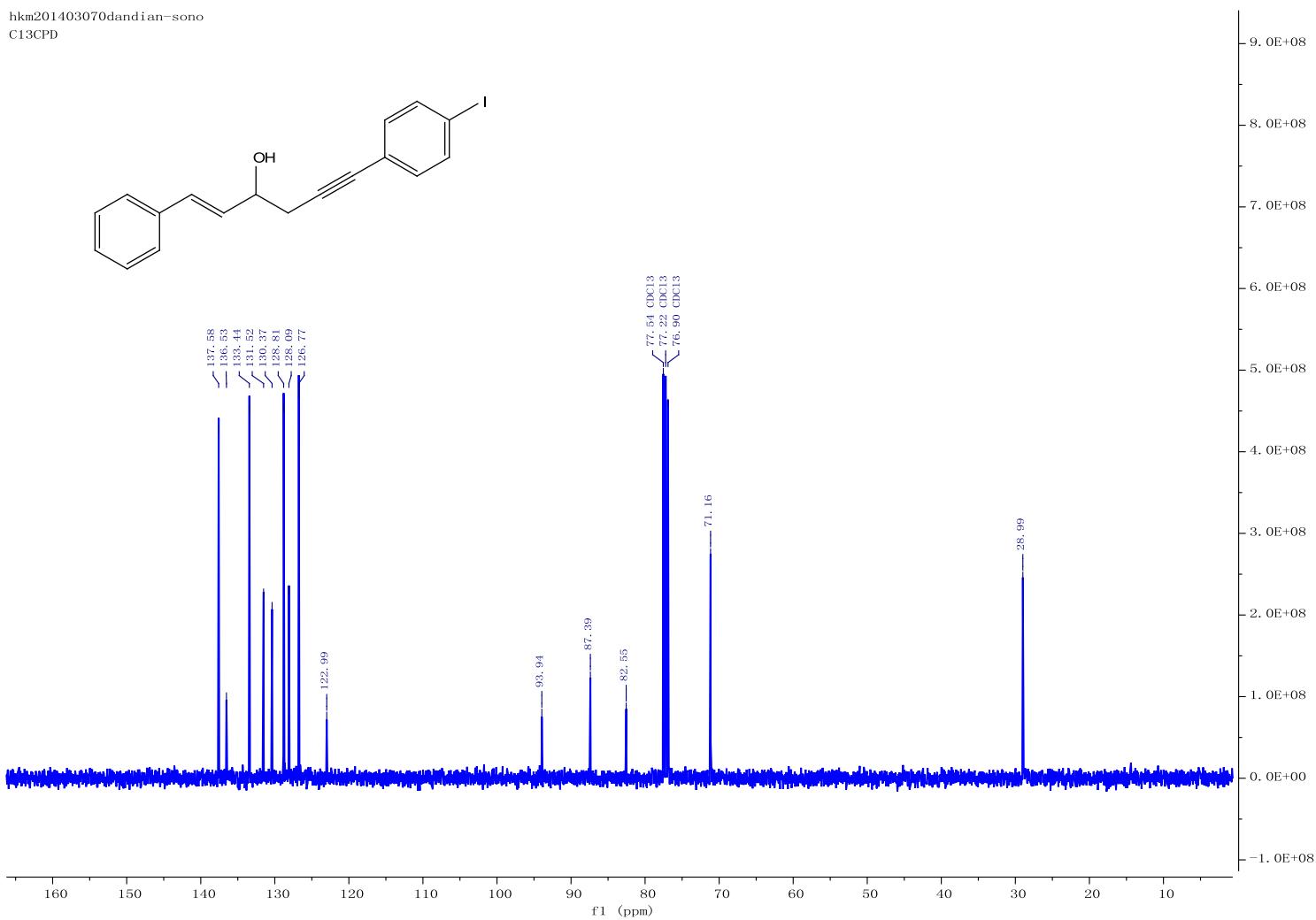
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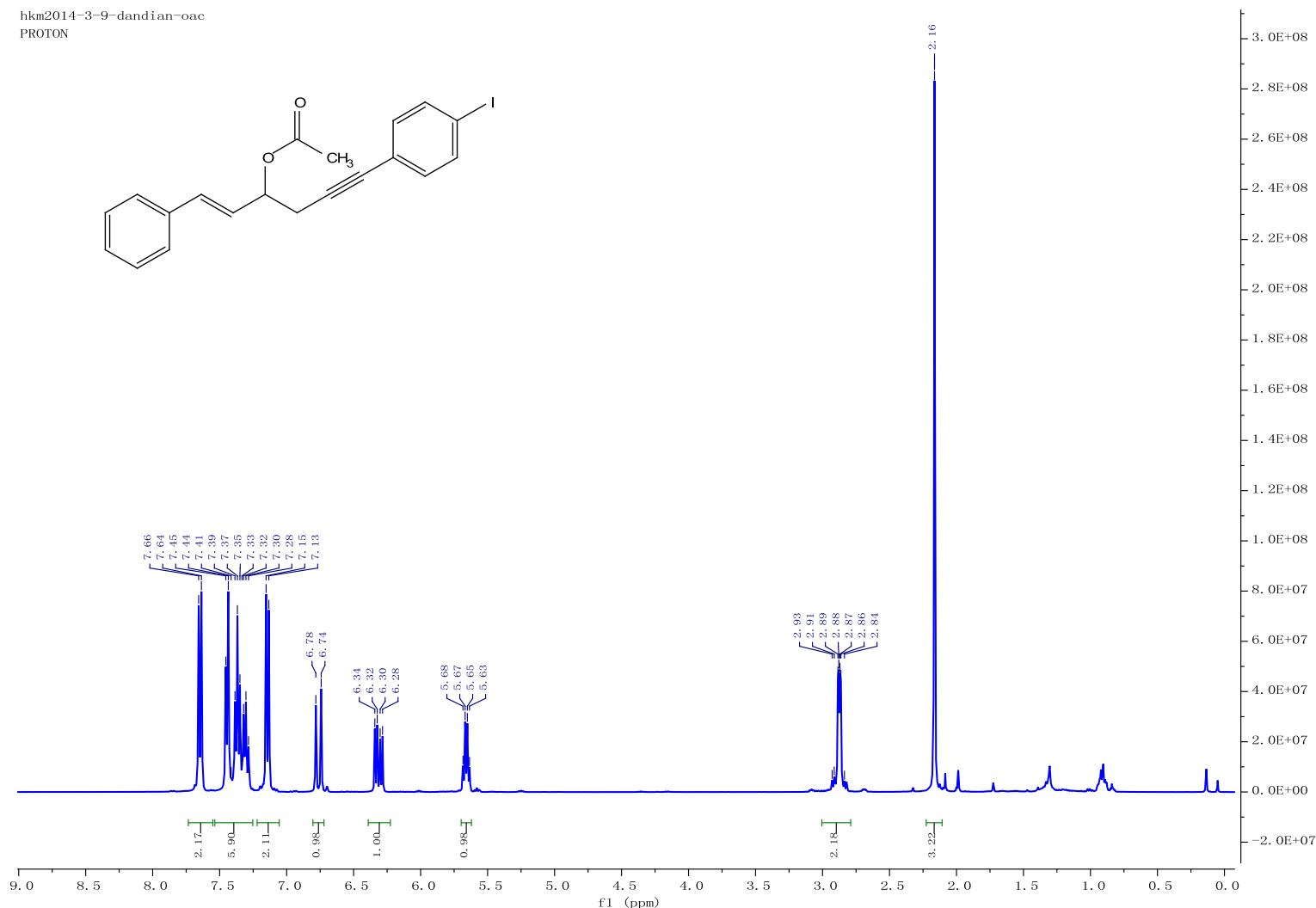
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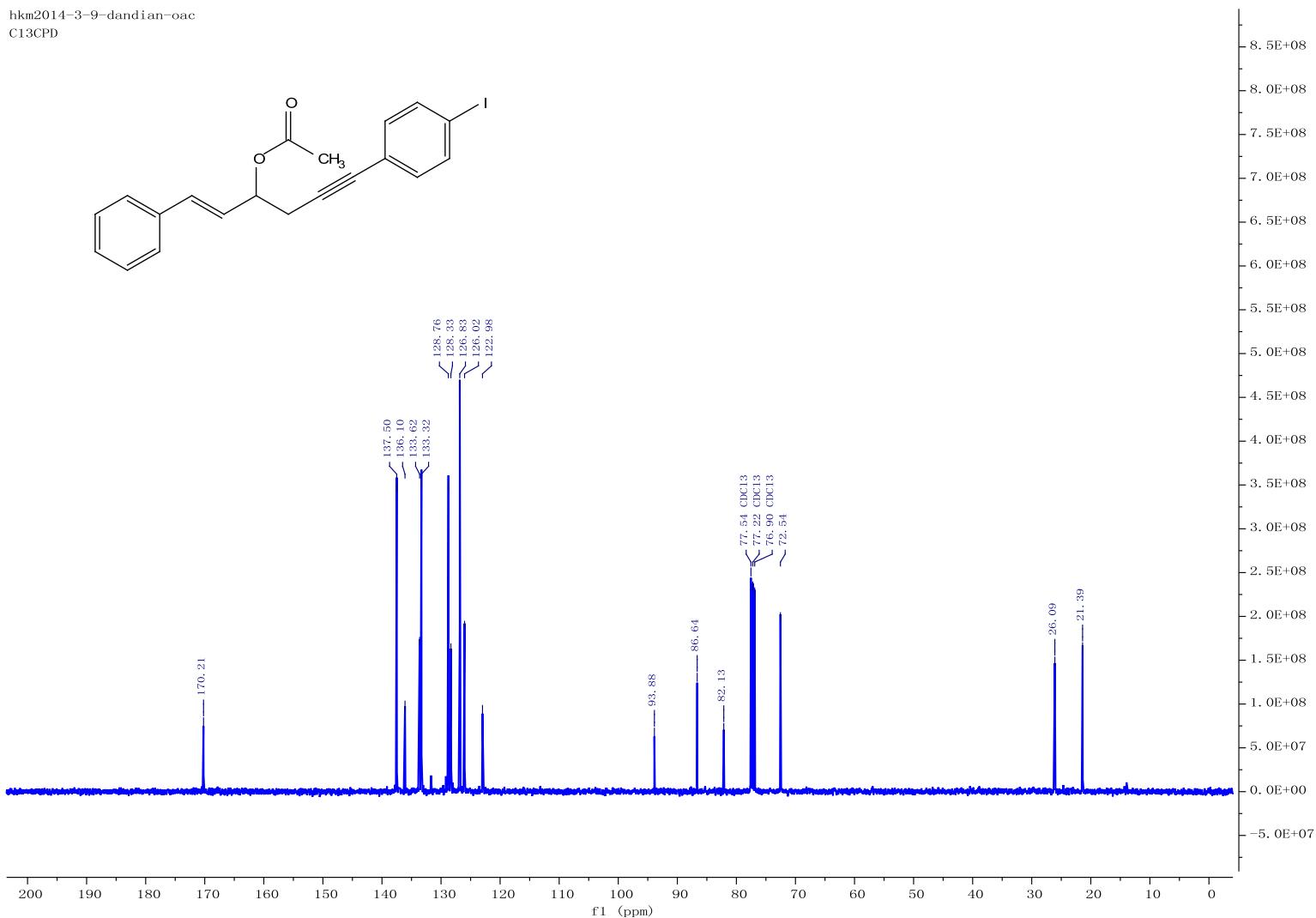
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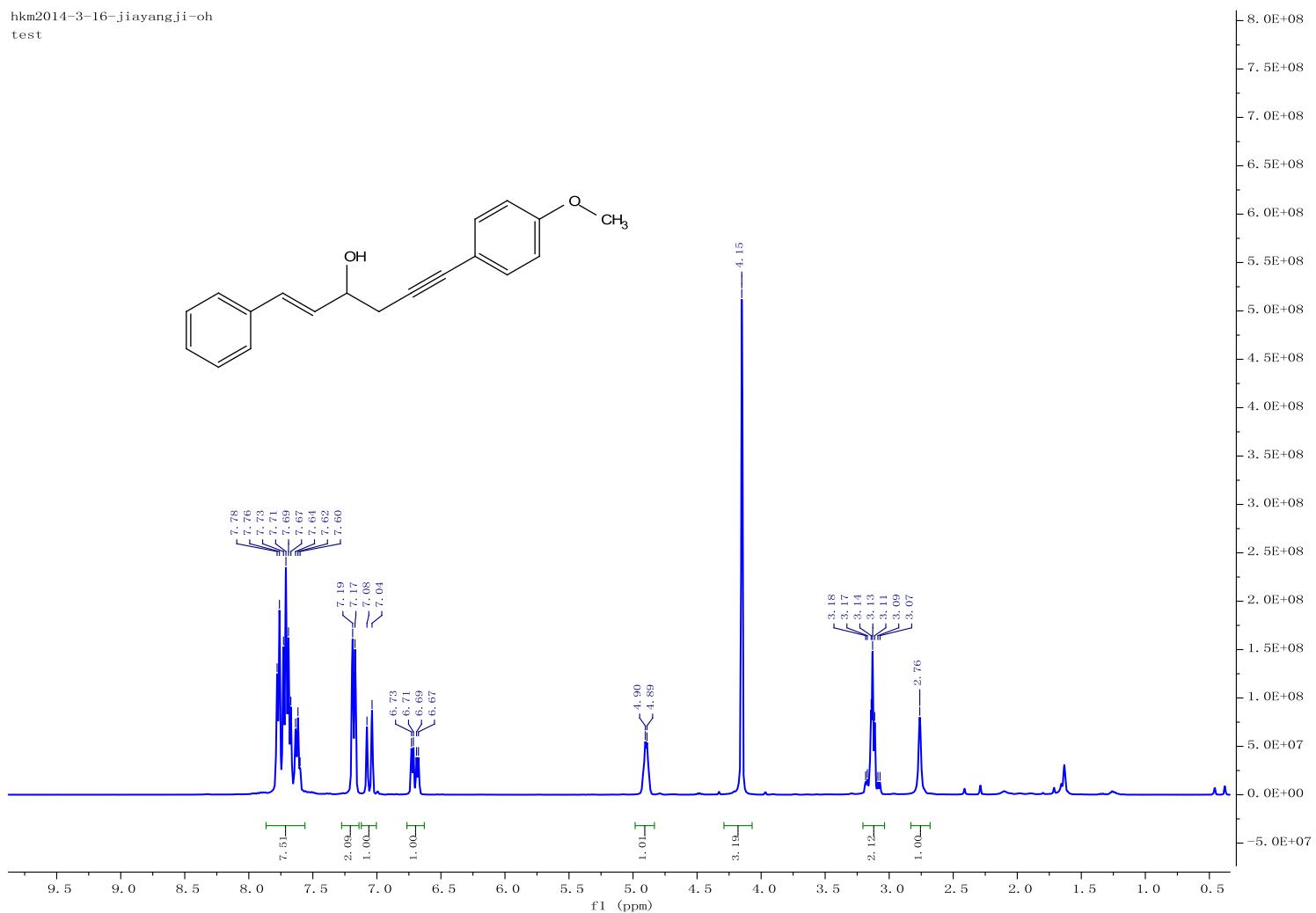
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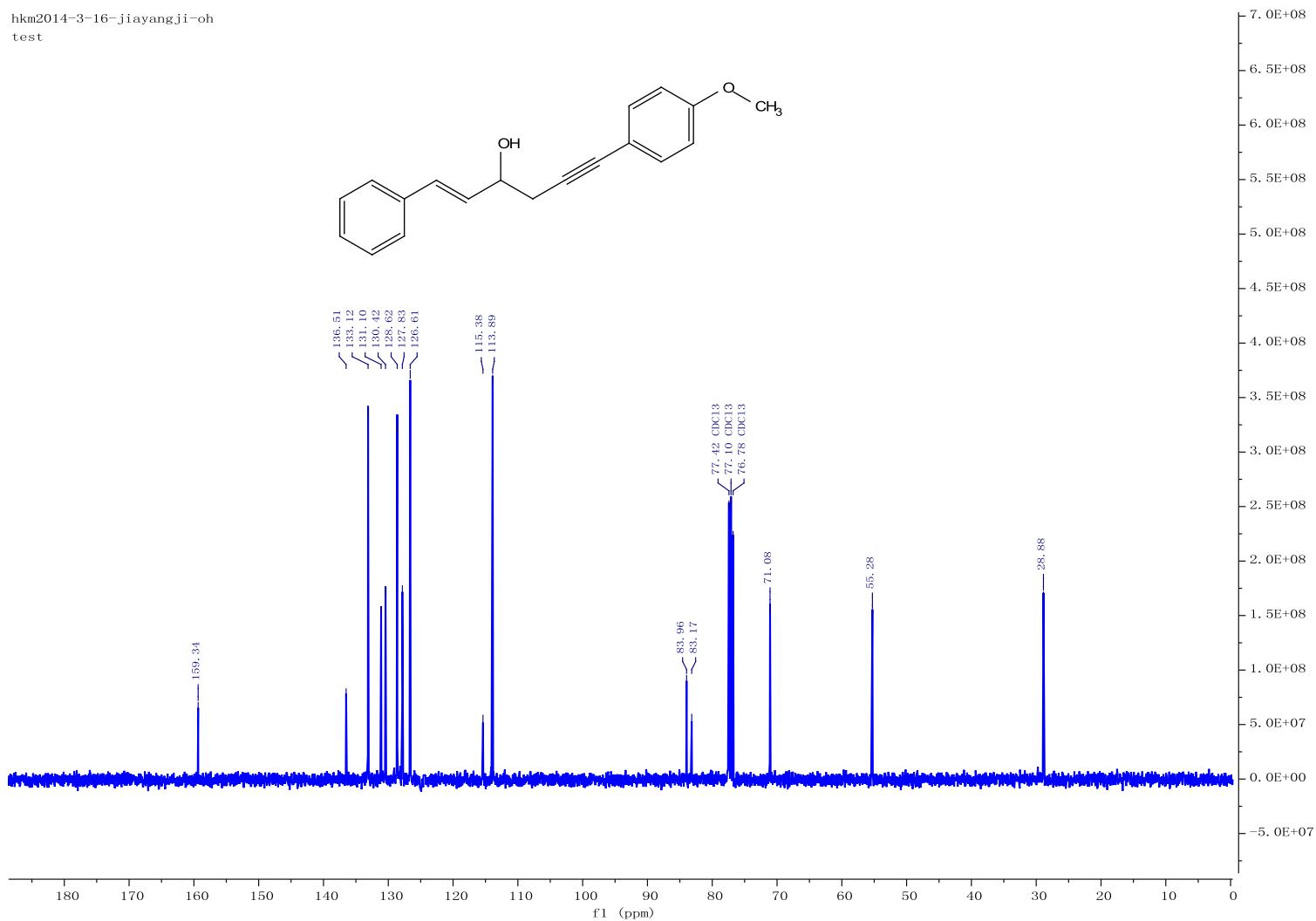
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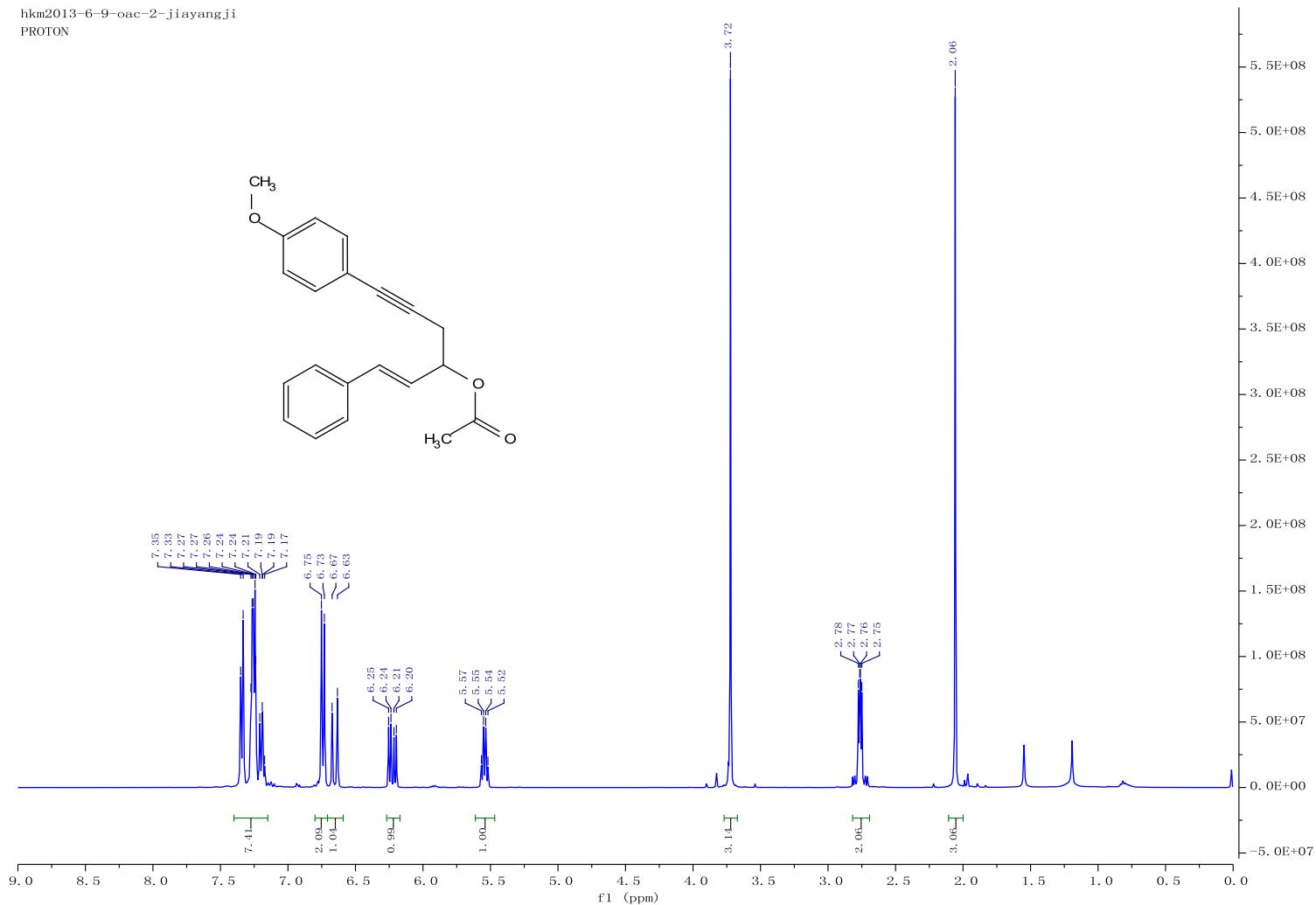
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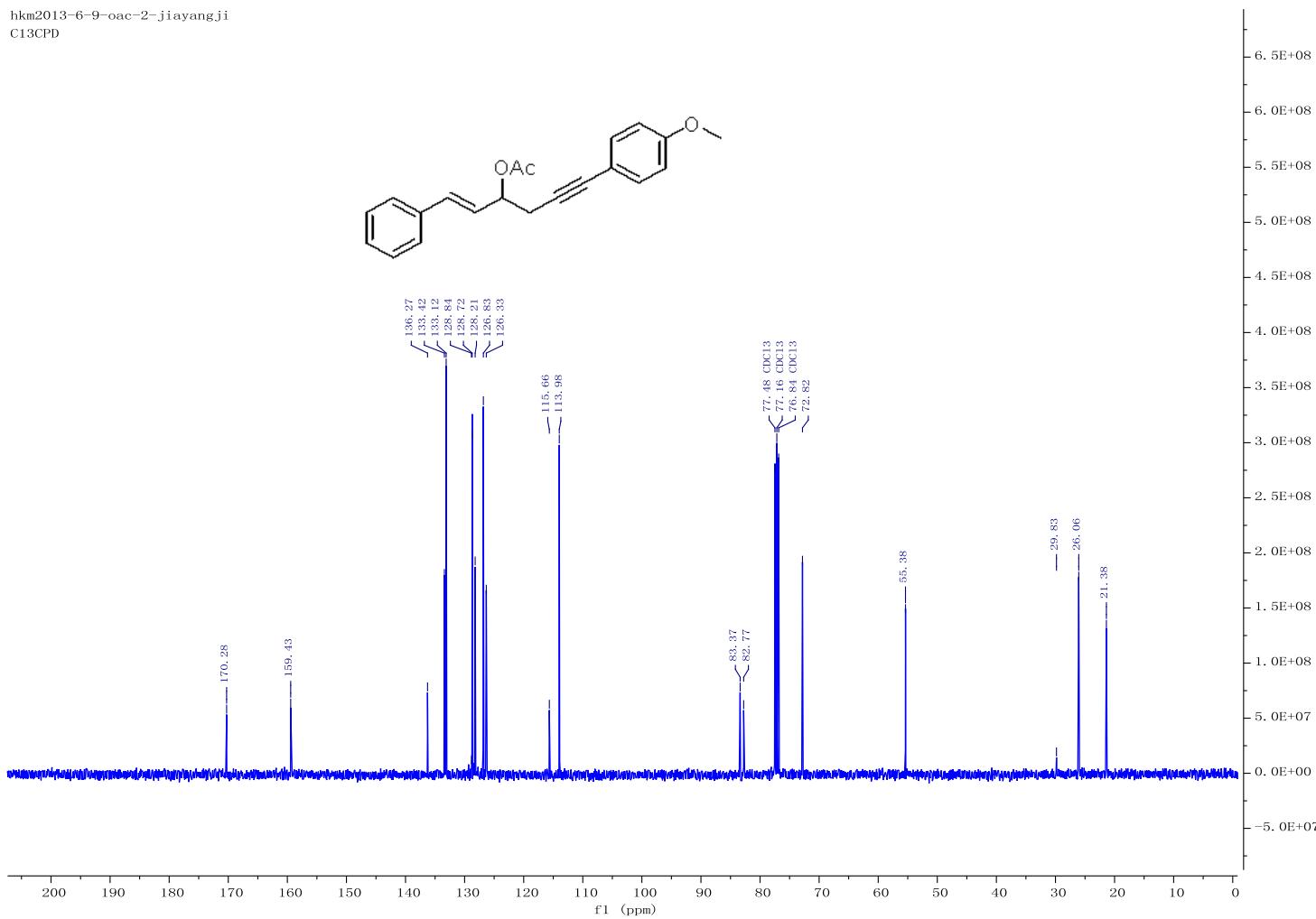
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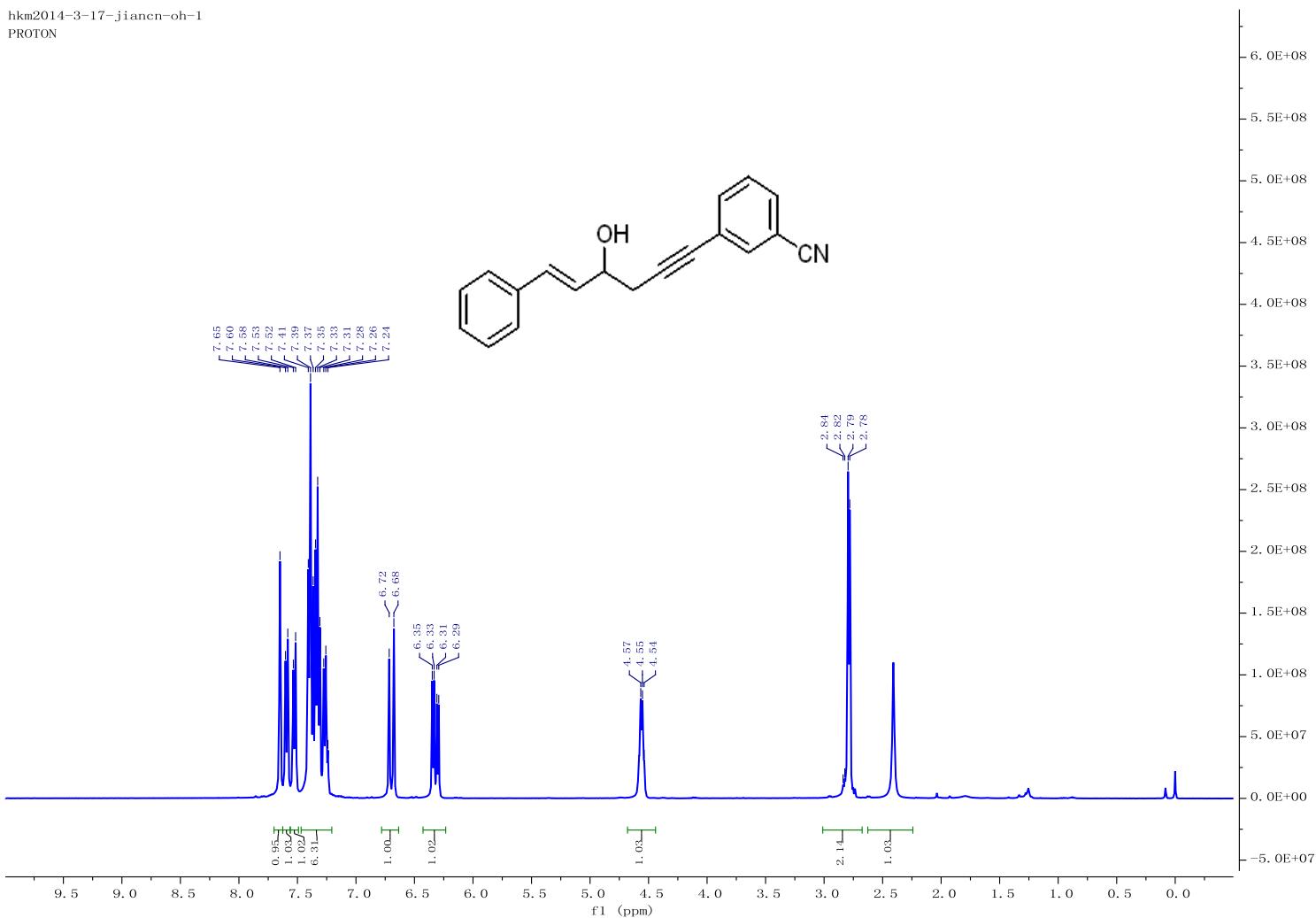
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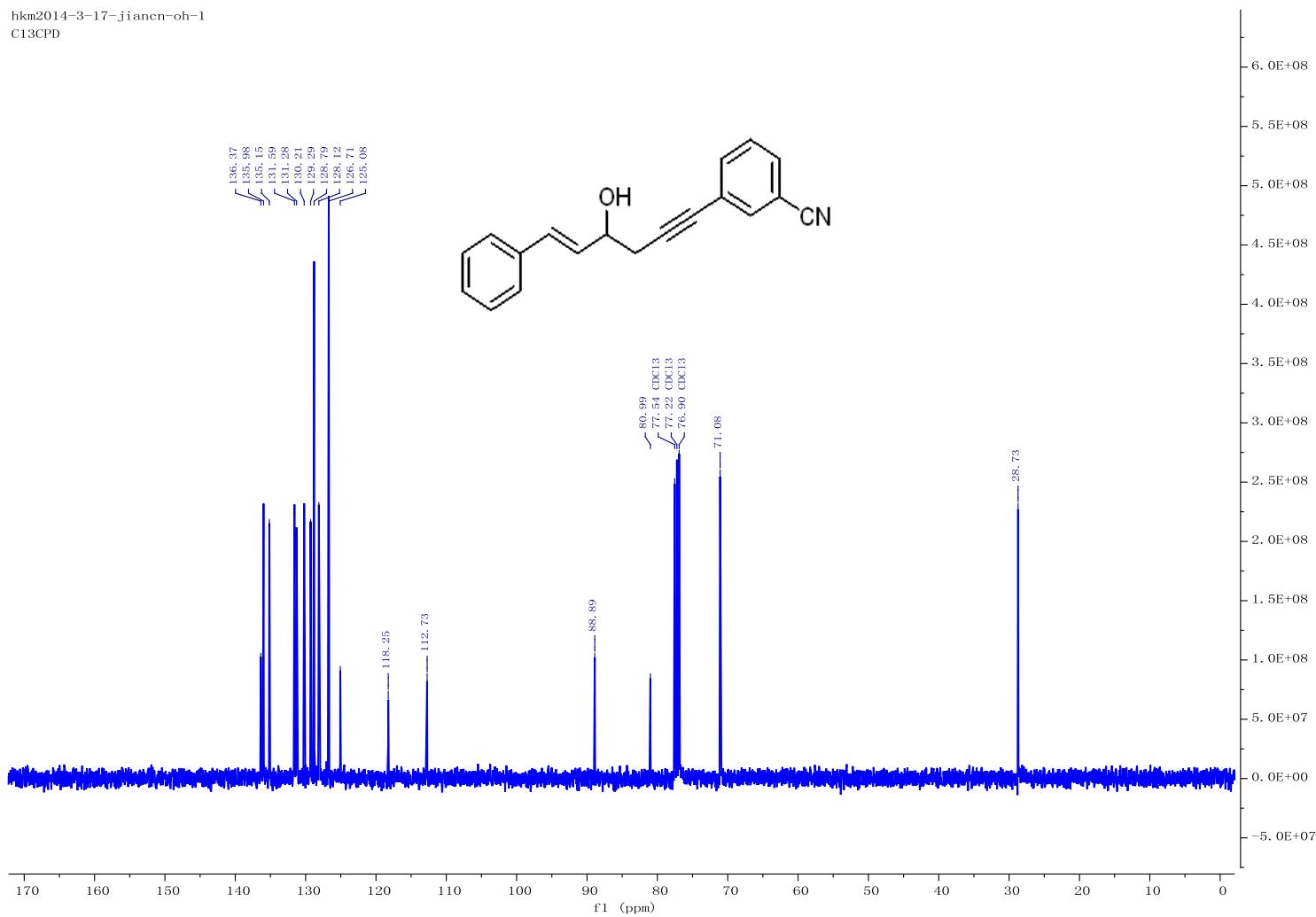
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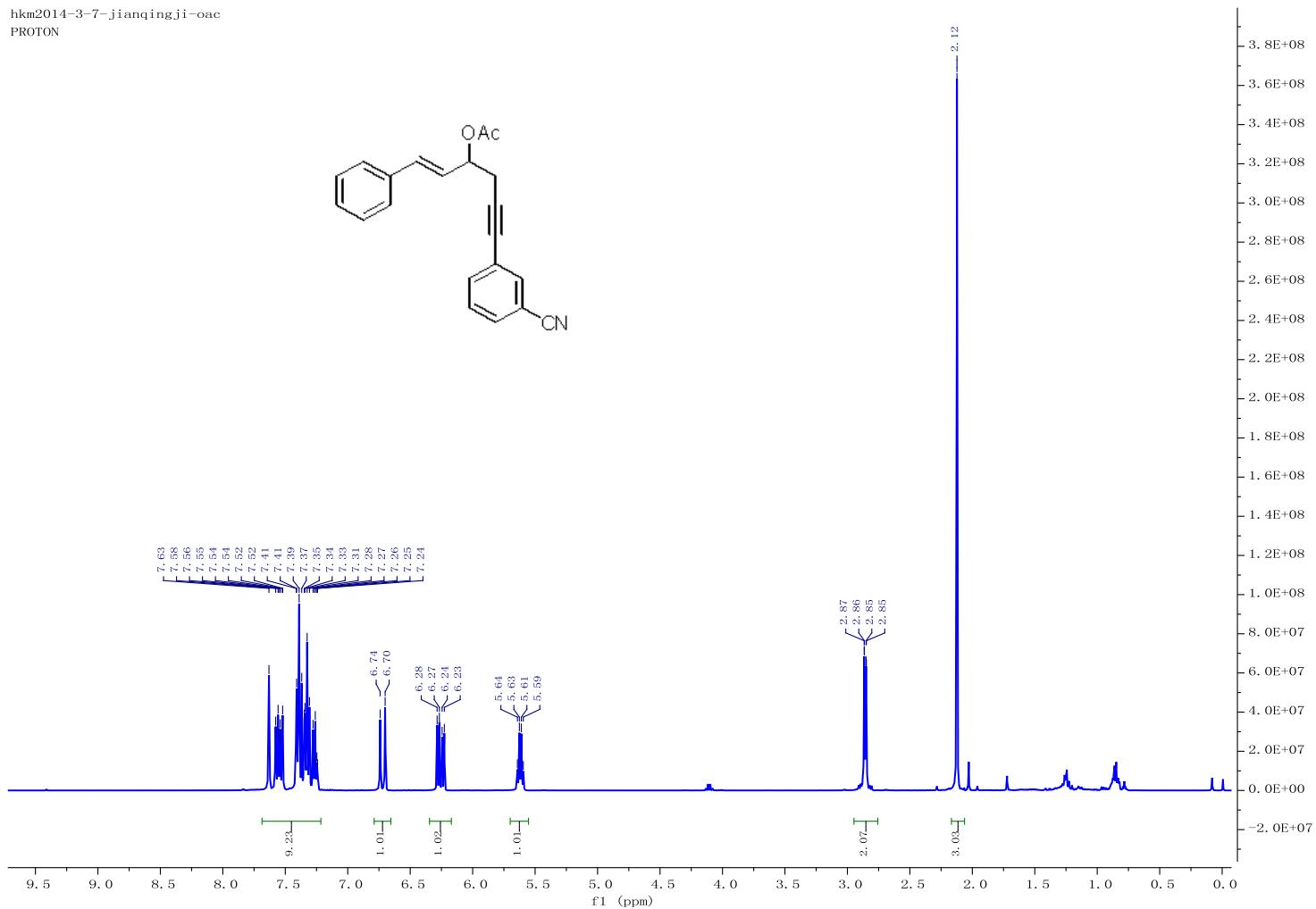
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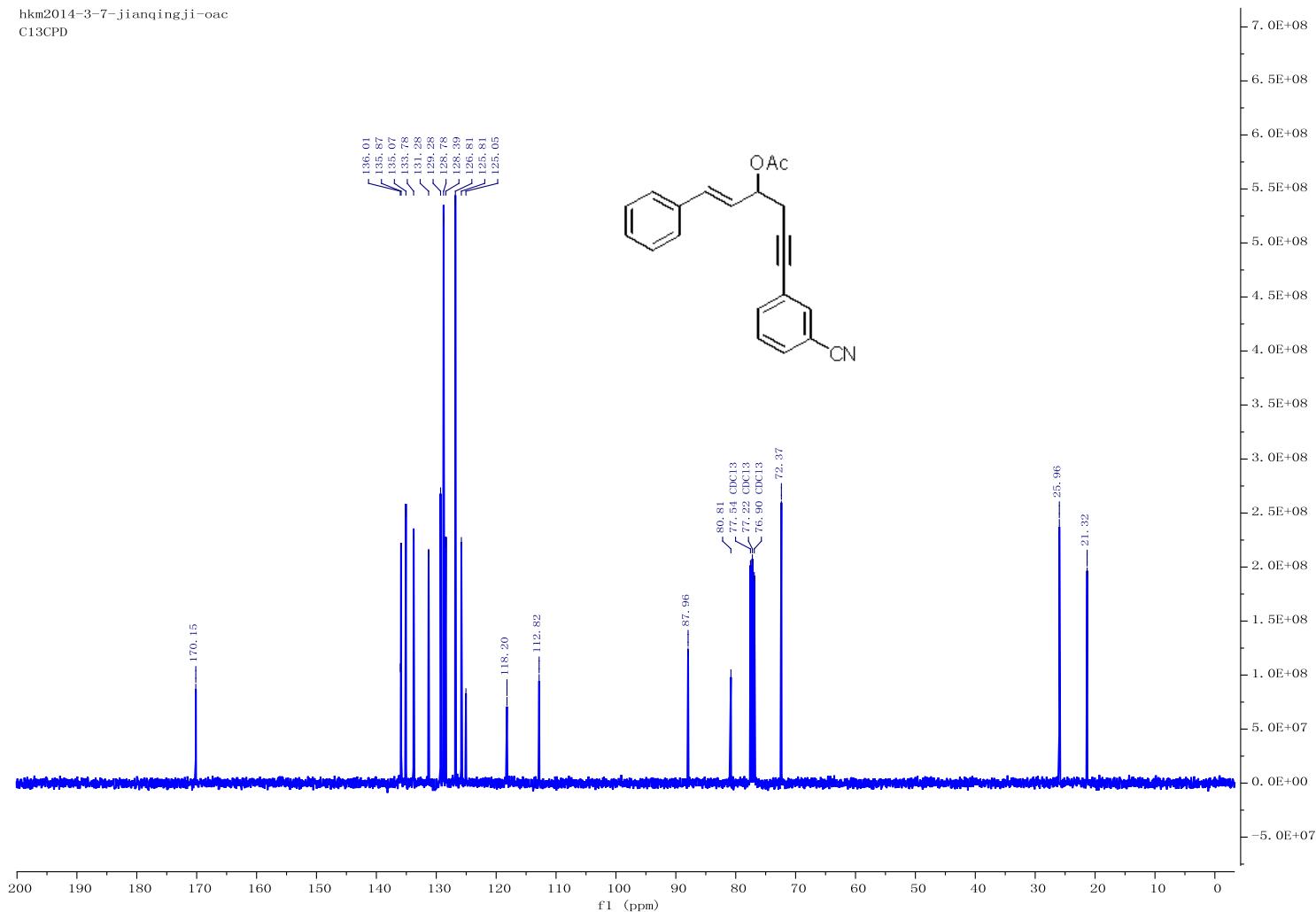
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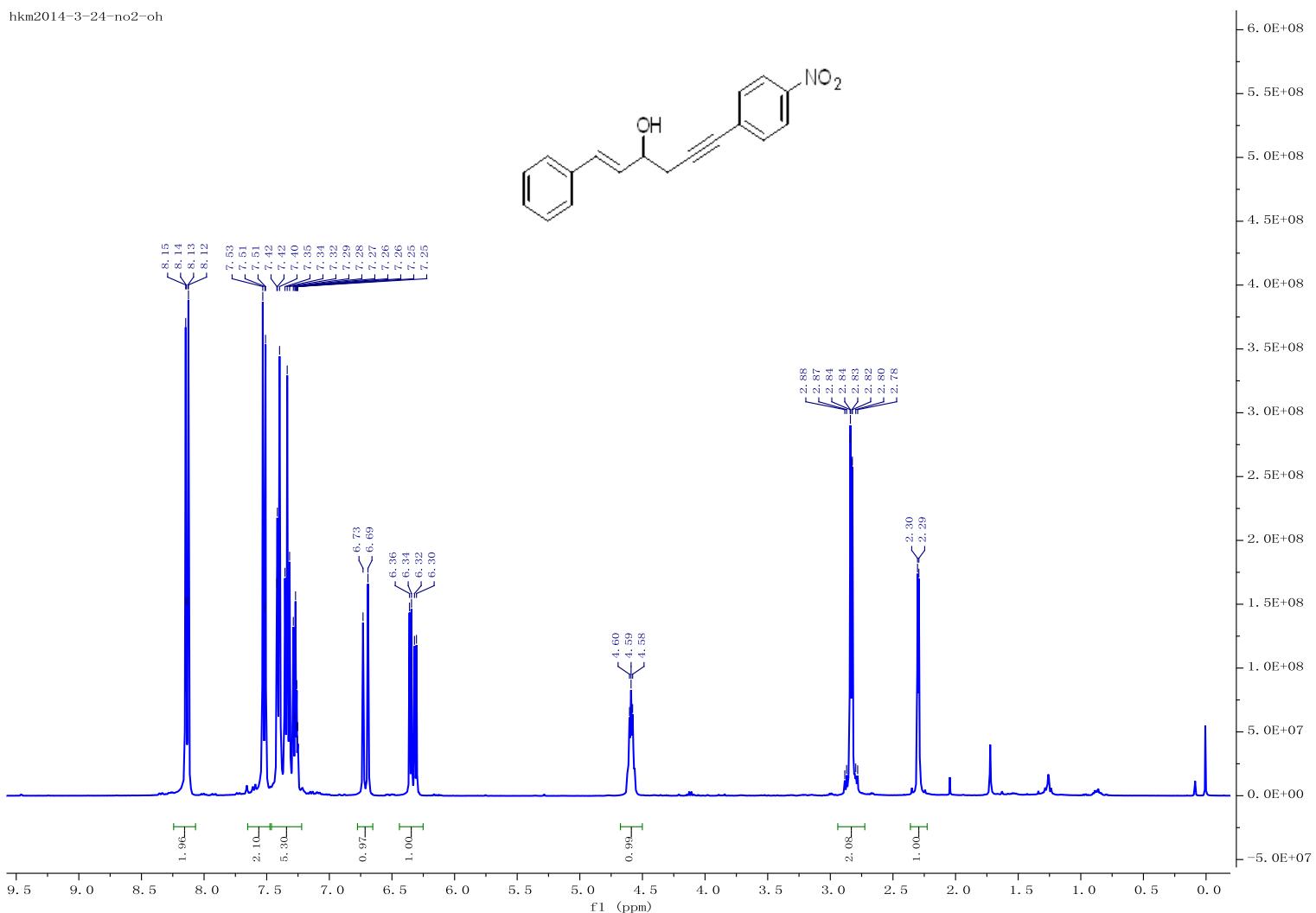
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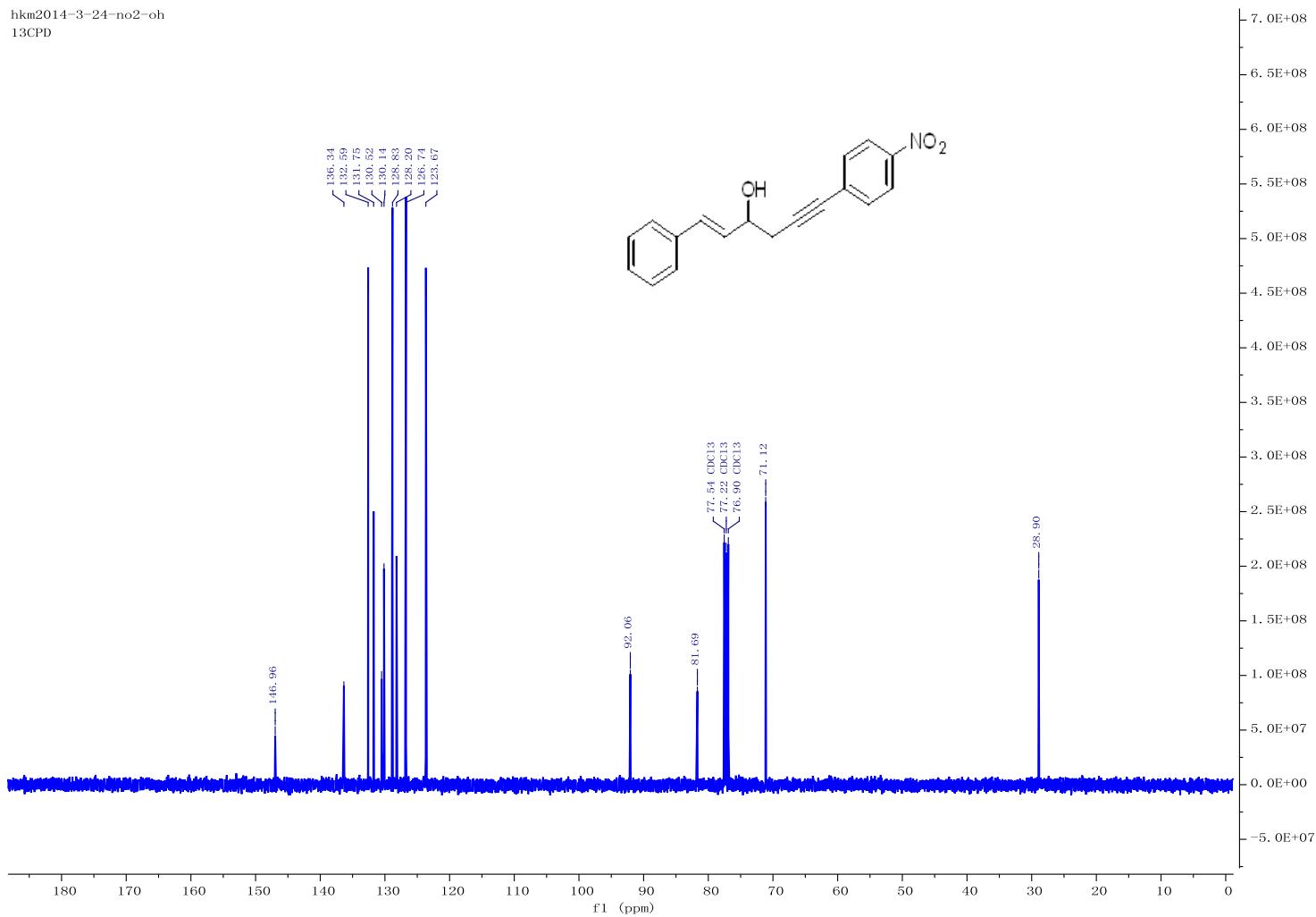
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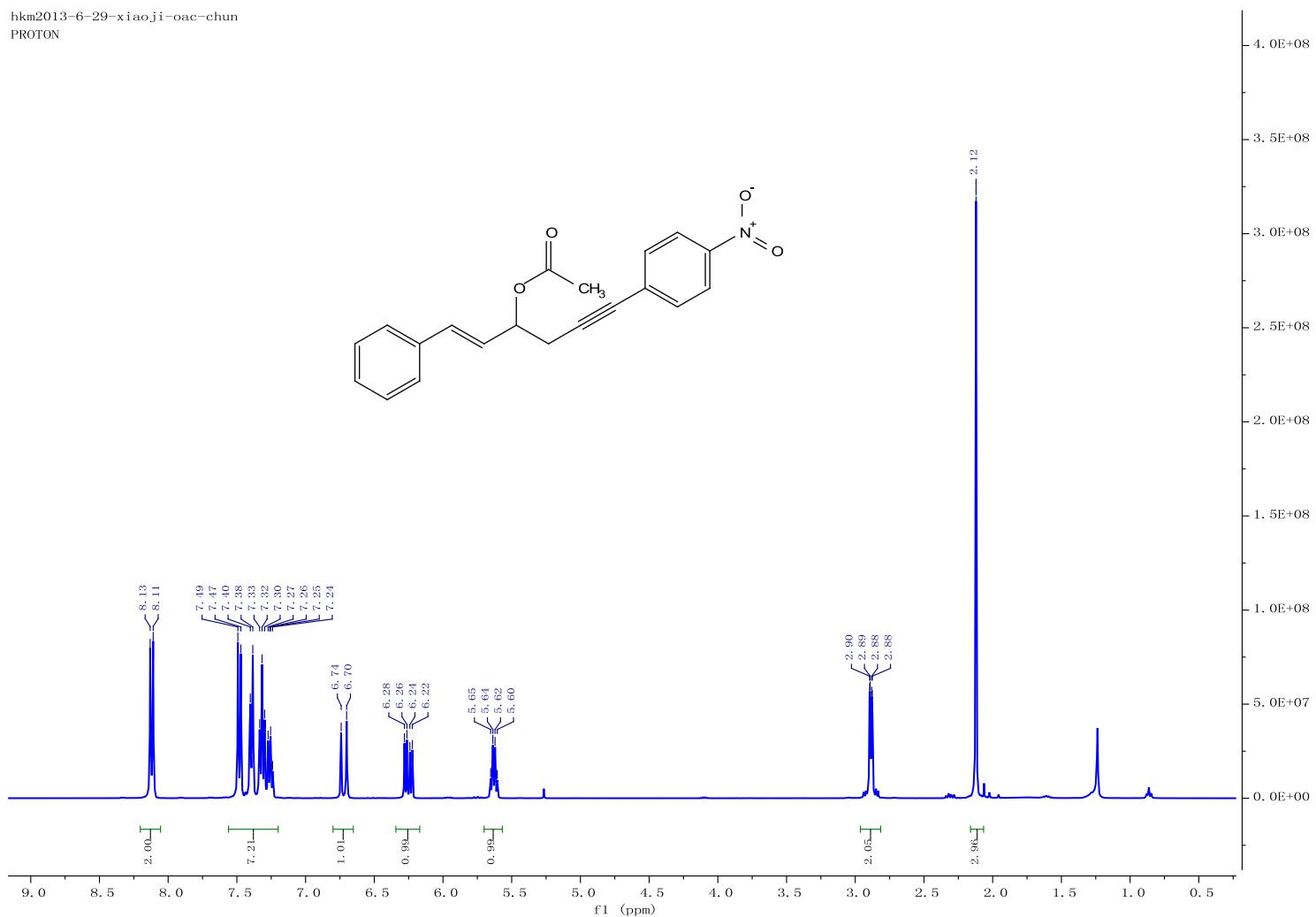
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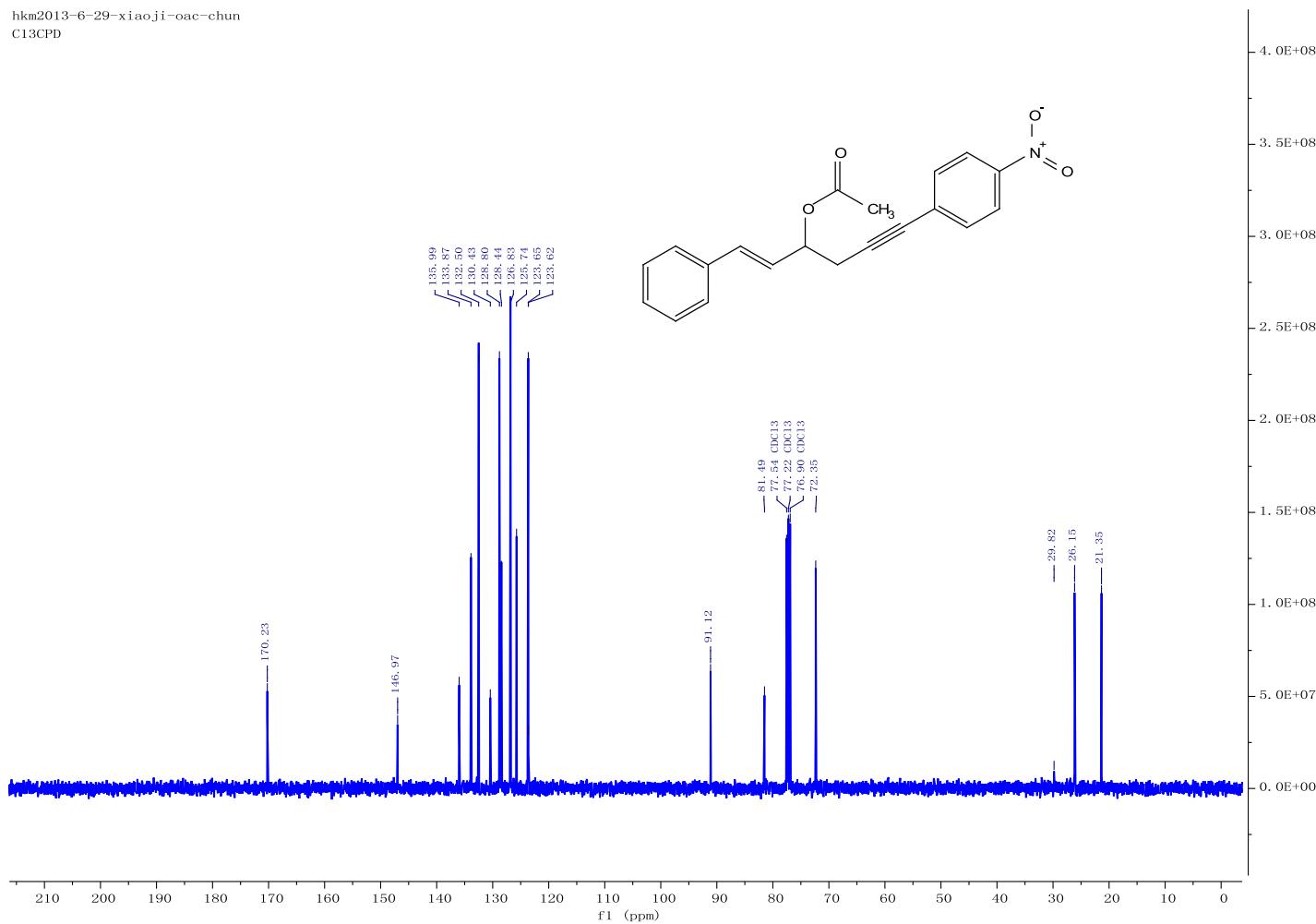
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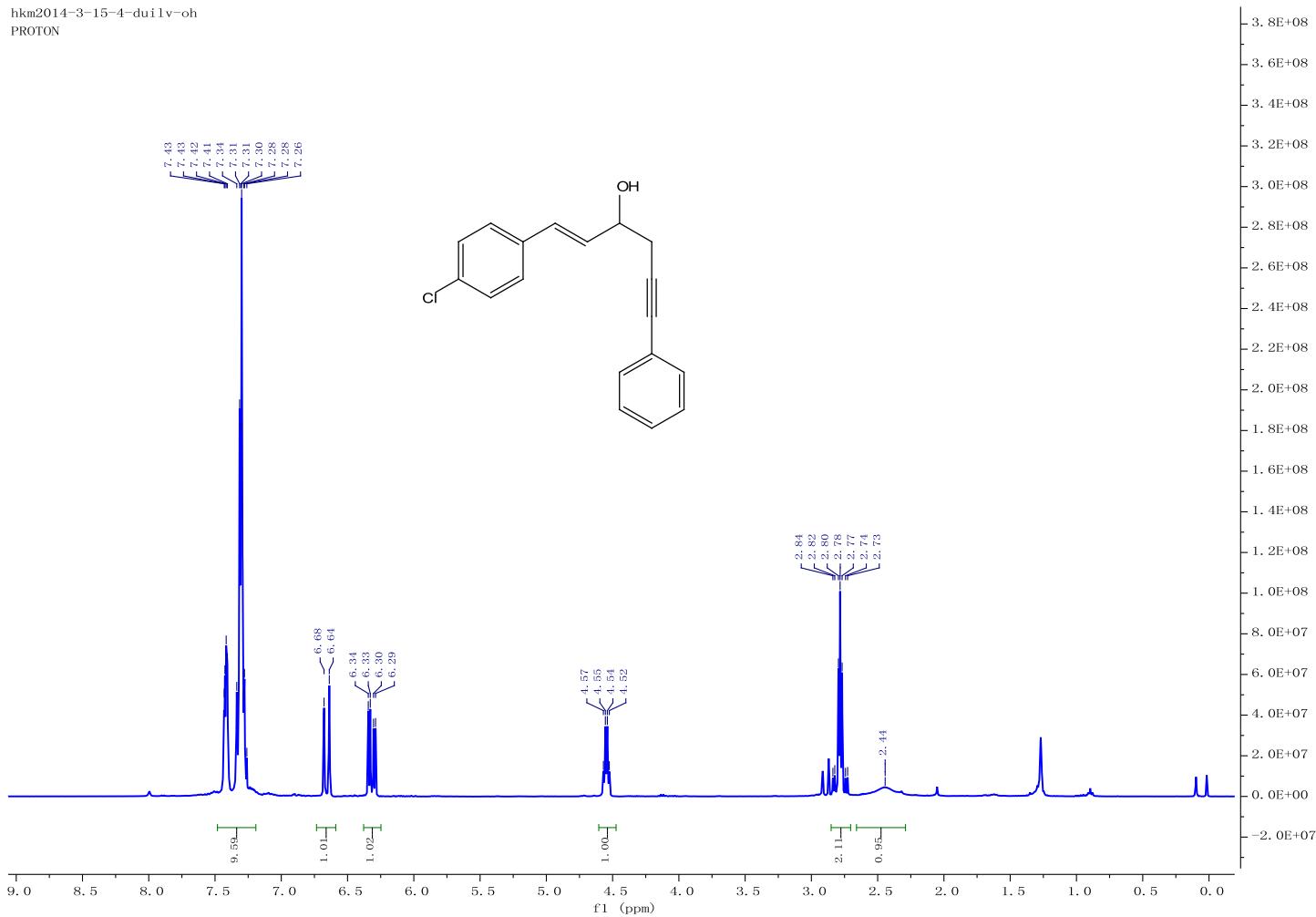
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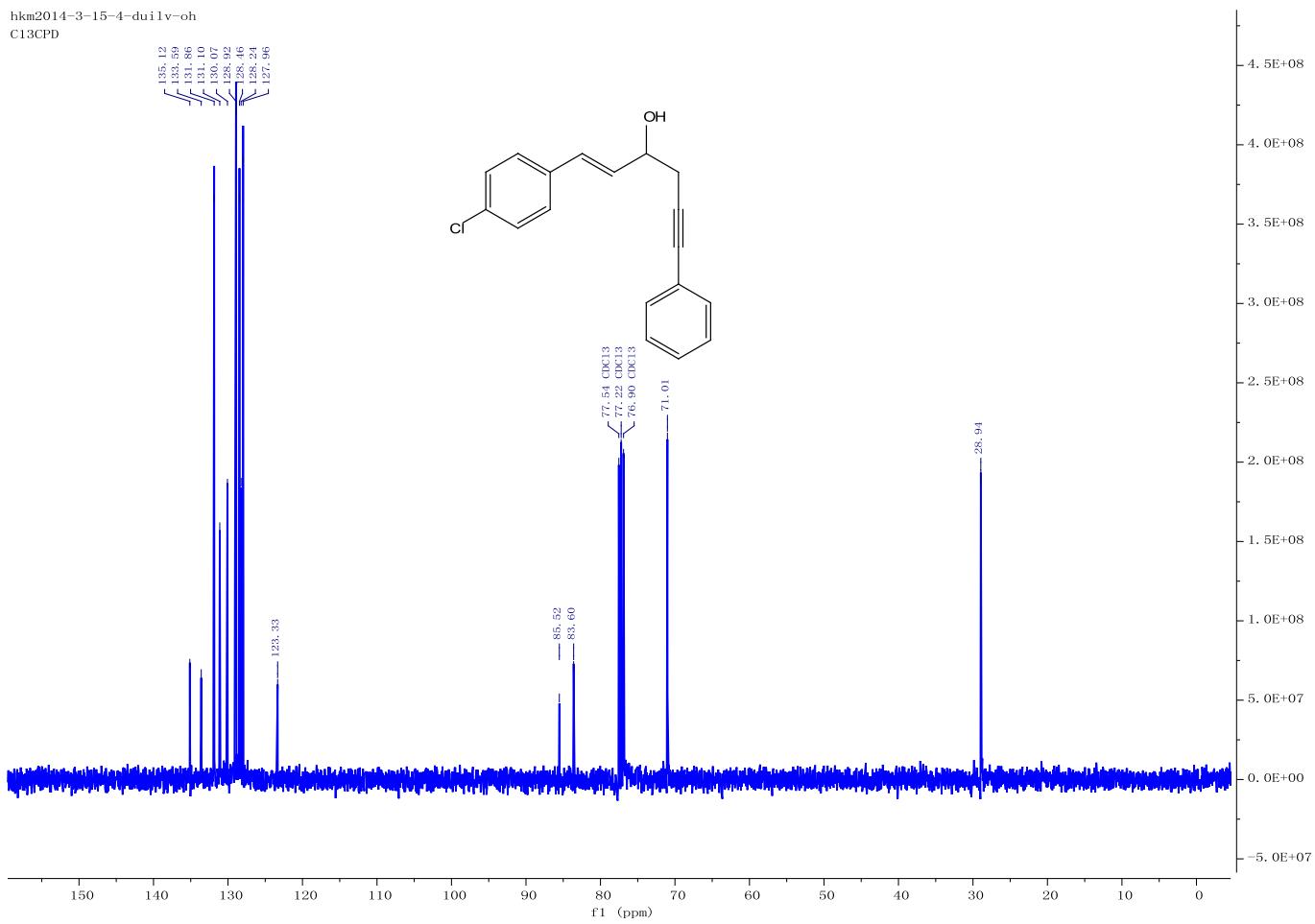
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hkm2014-3-15-4-duilv-oh
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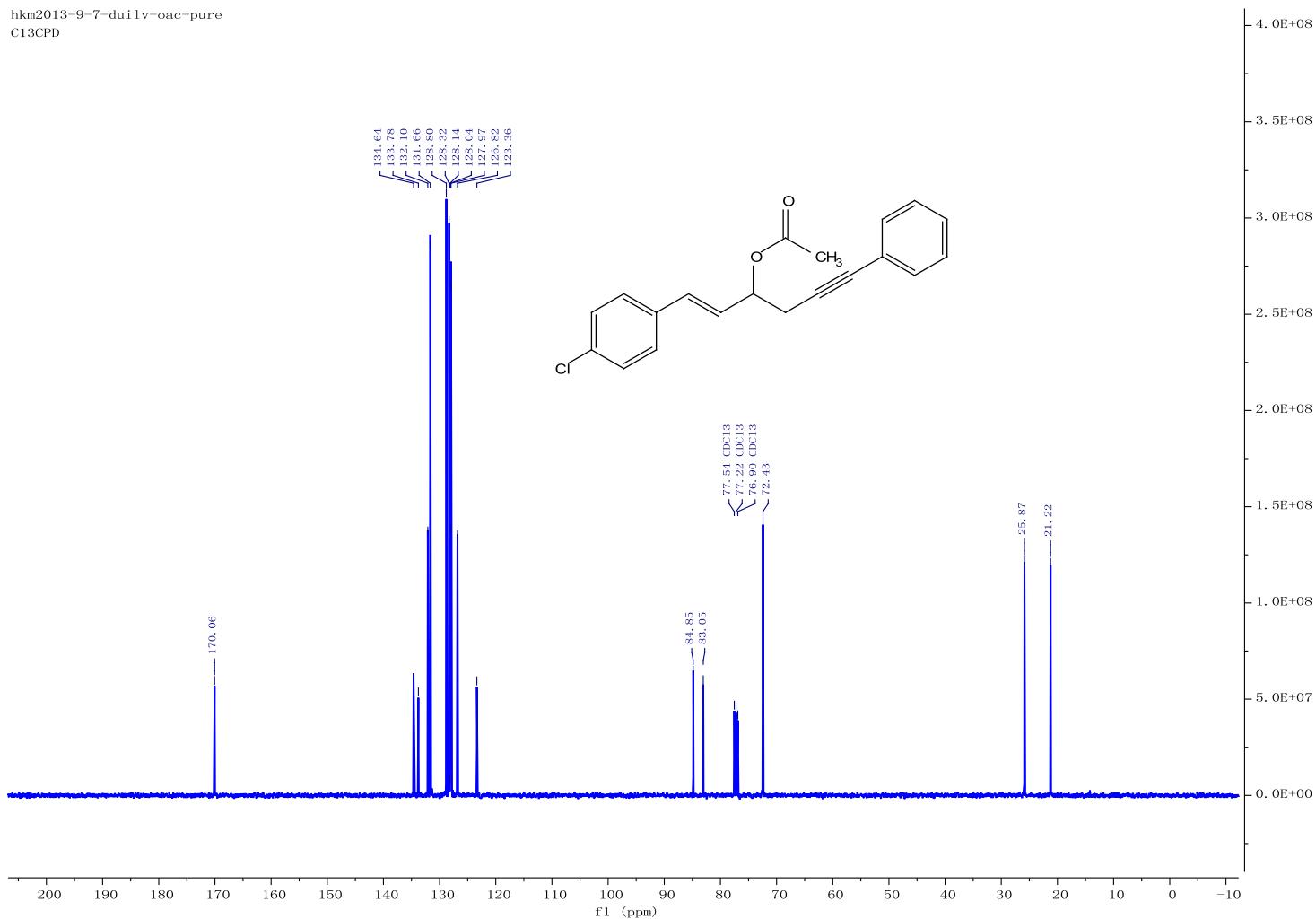
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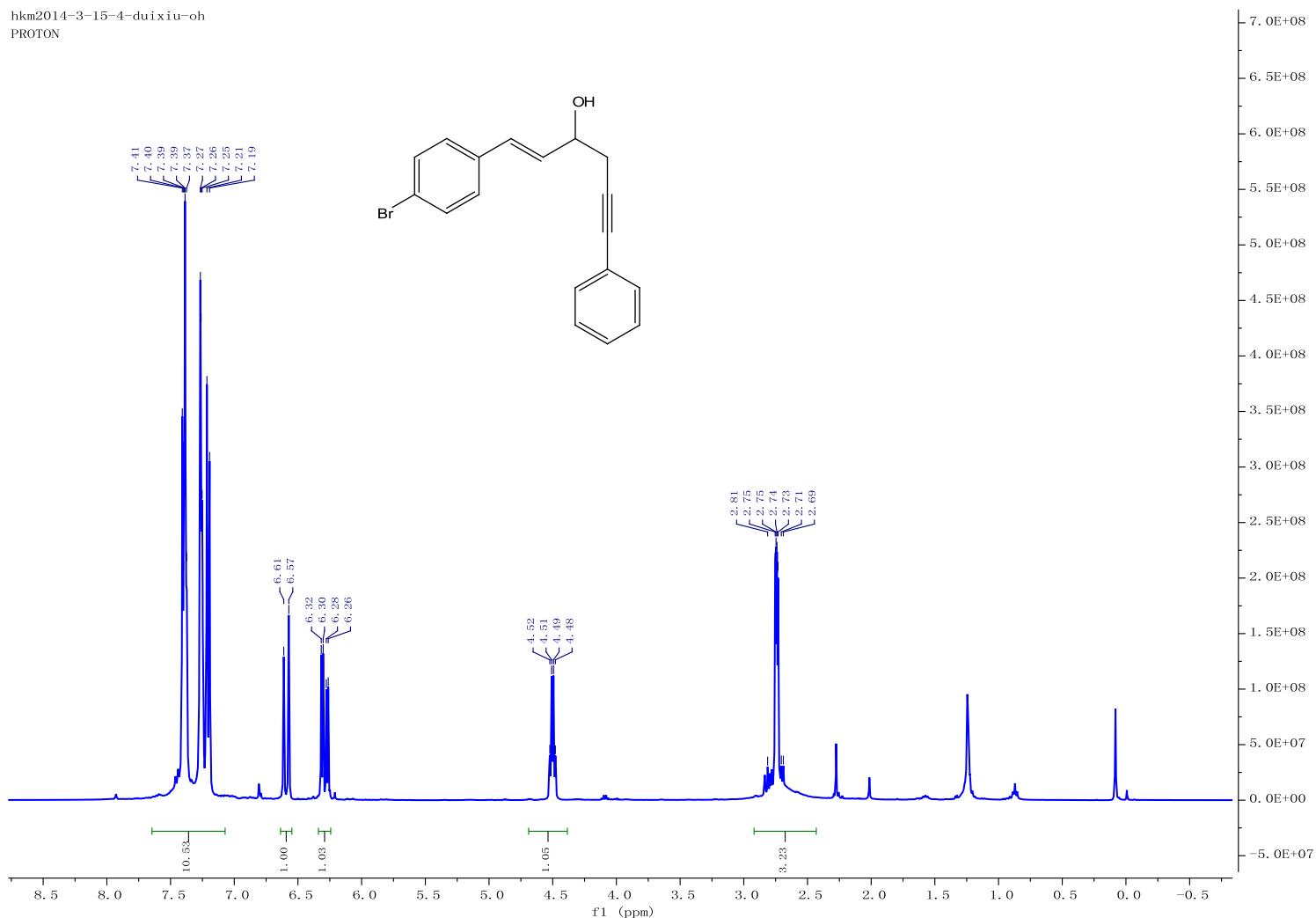
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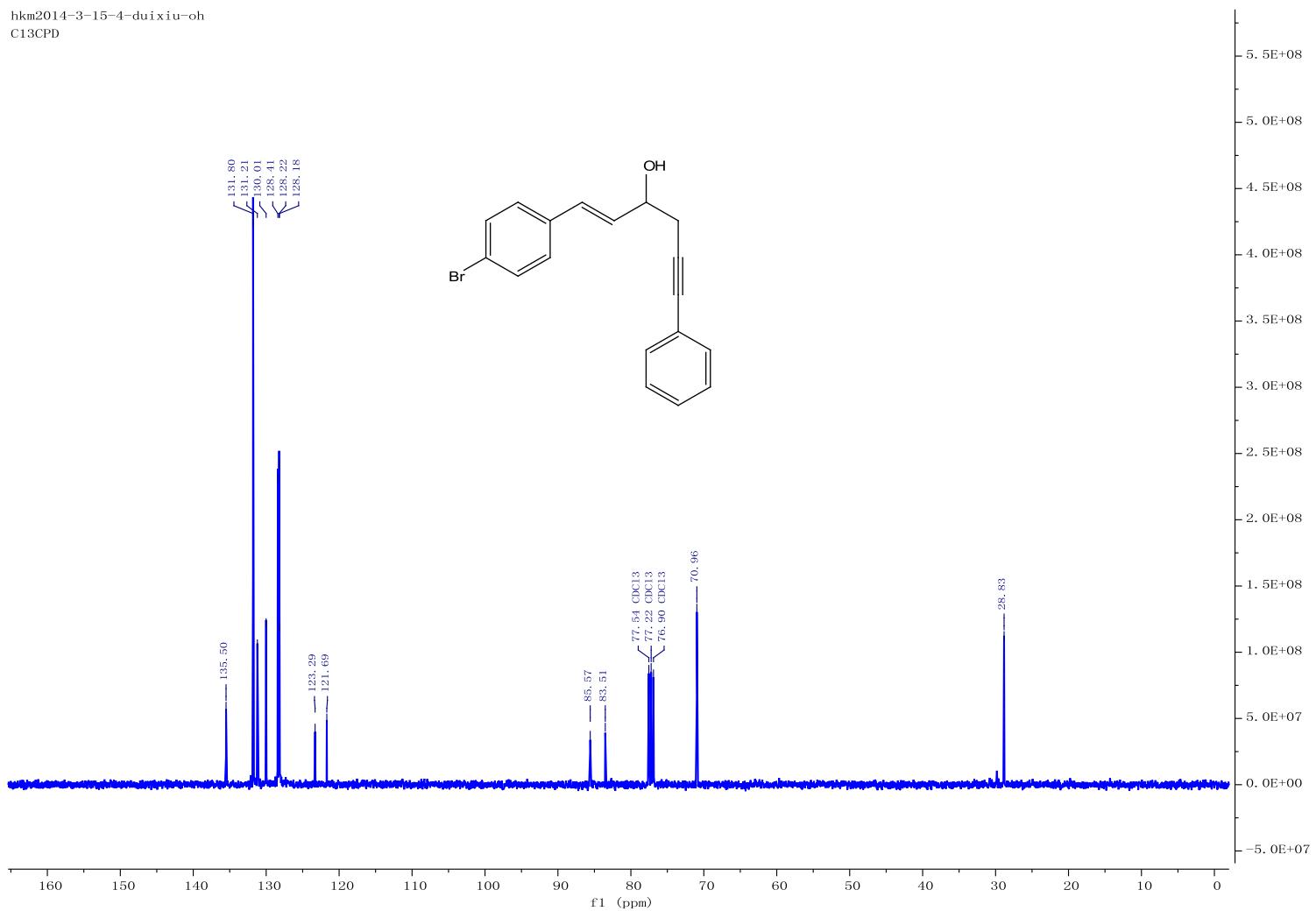
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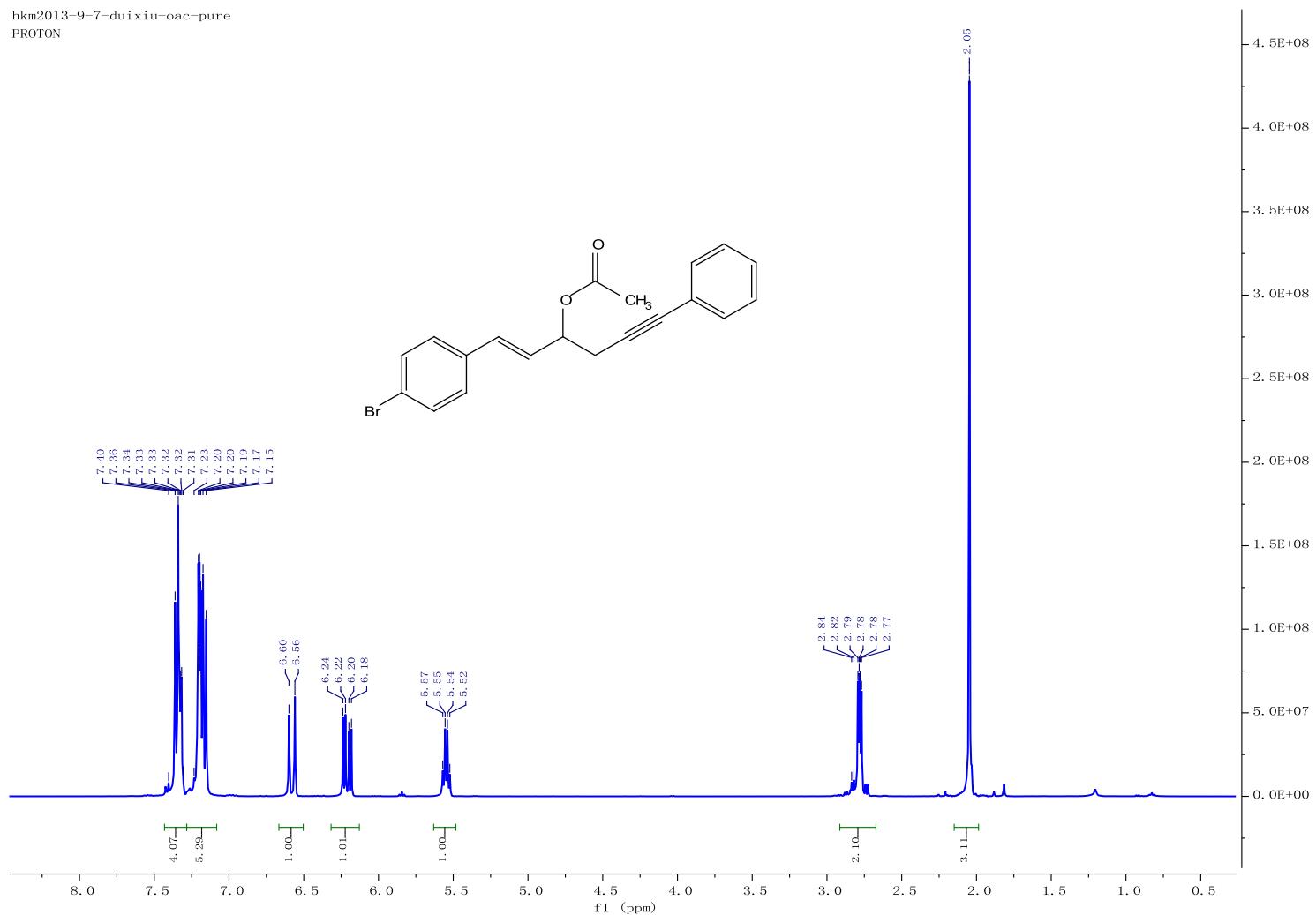
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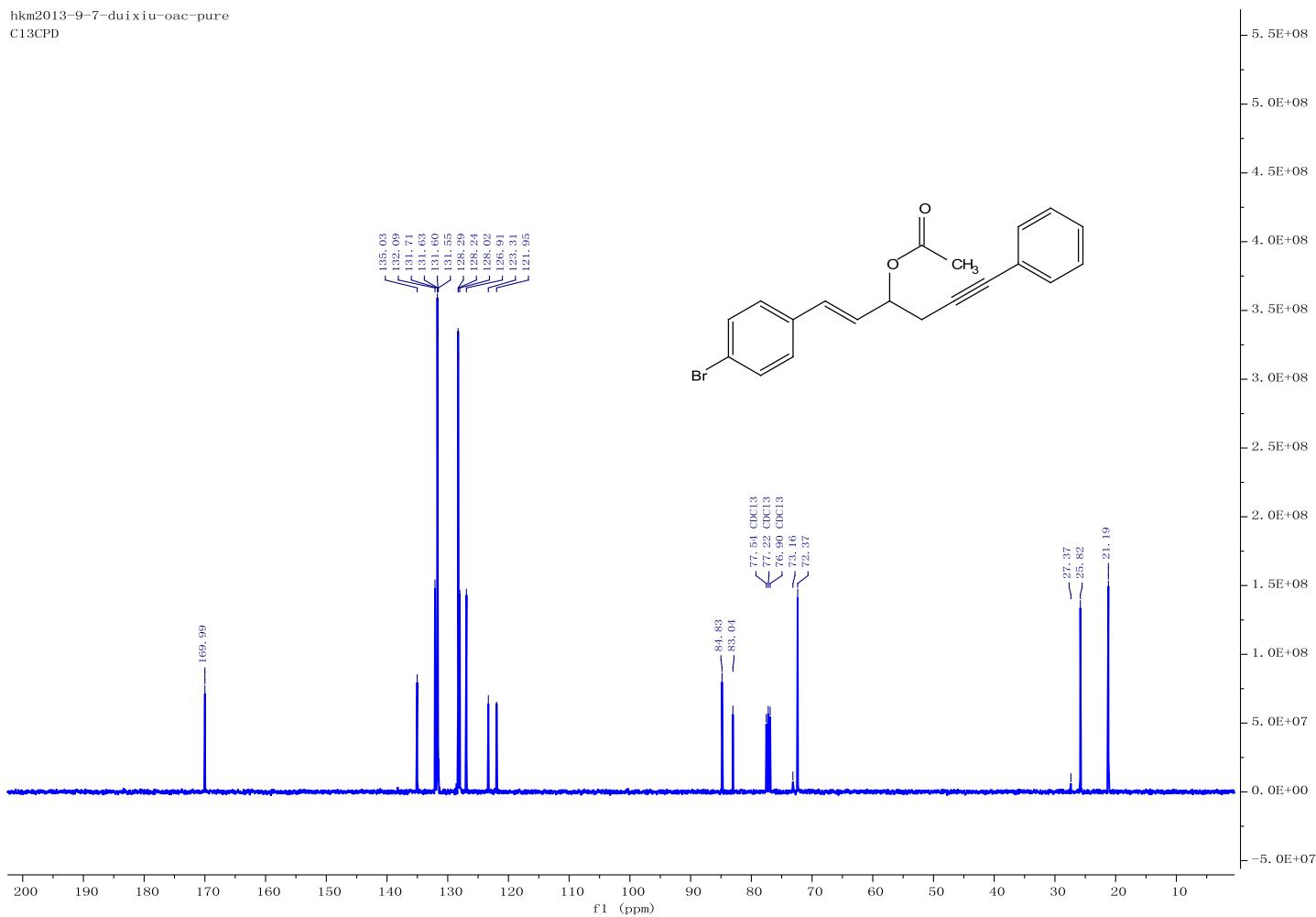
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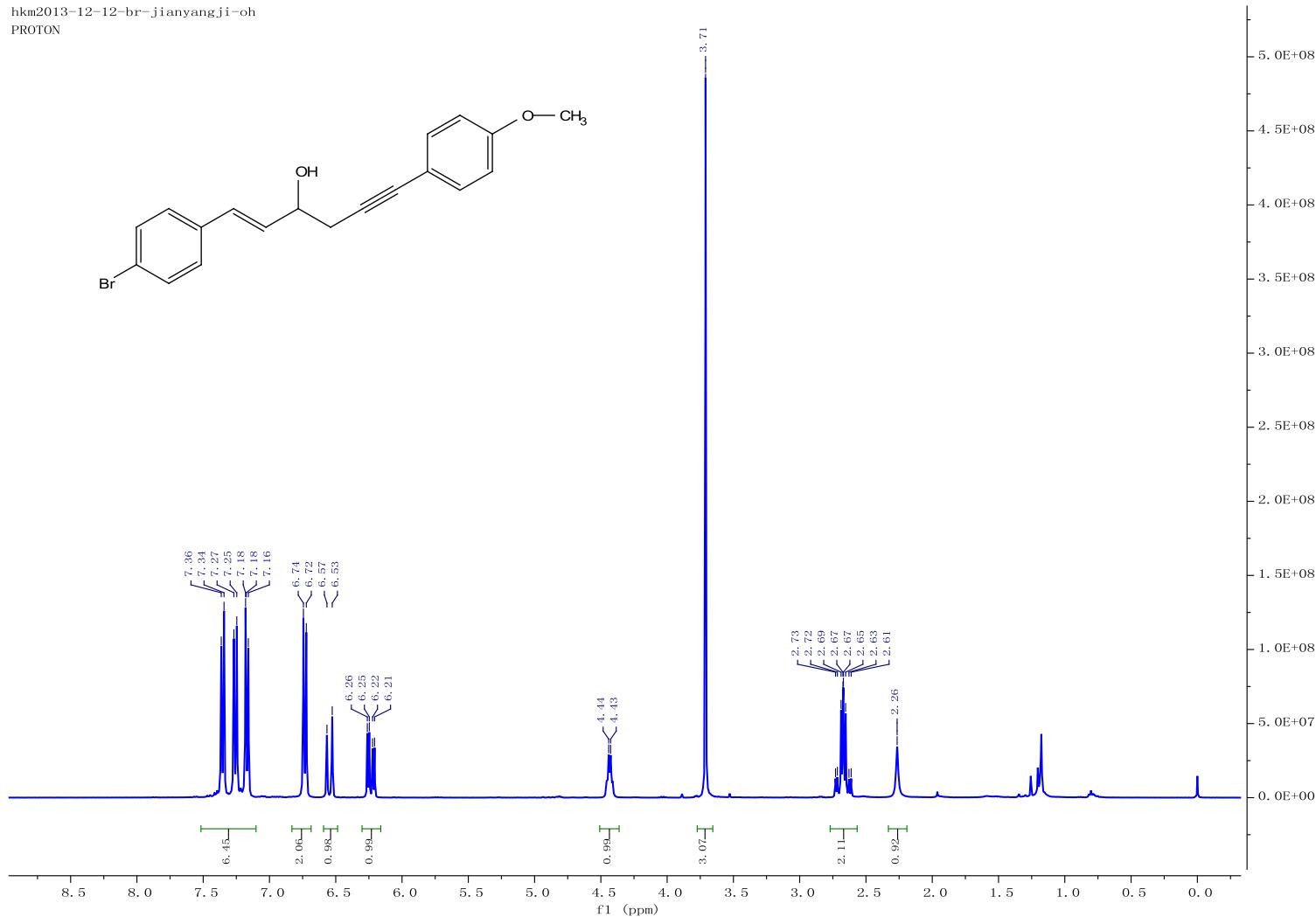
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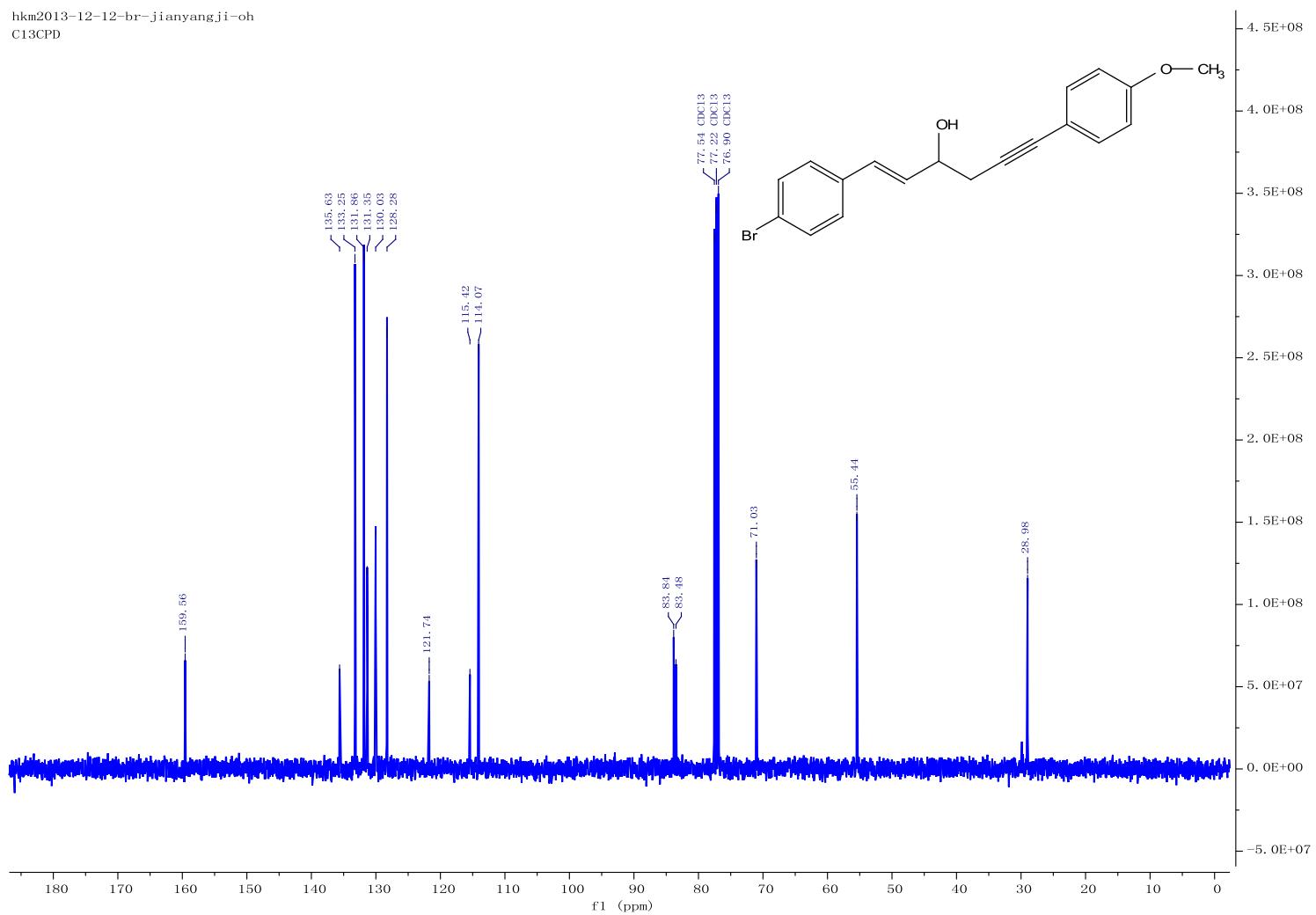
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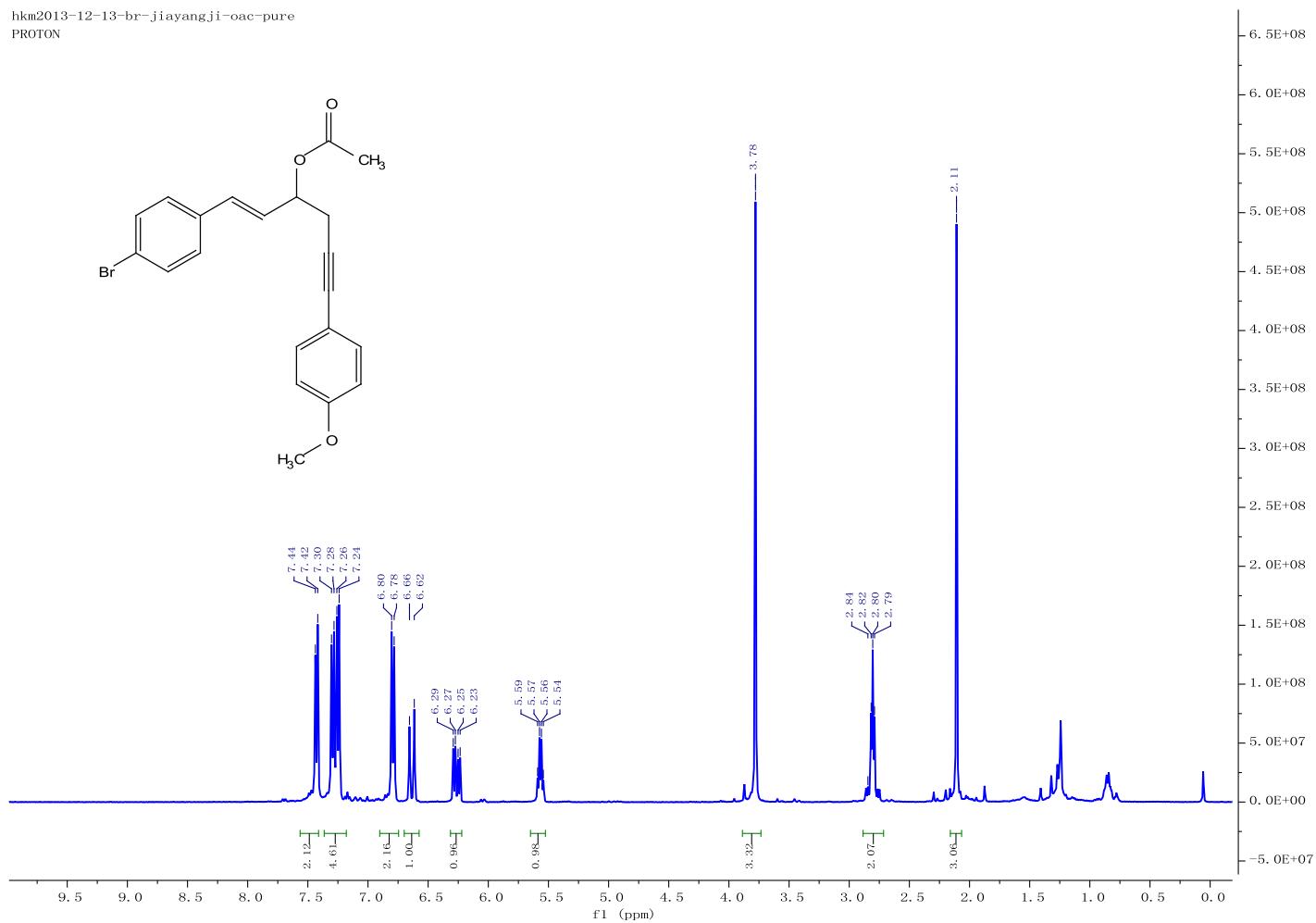
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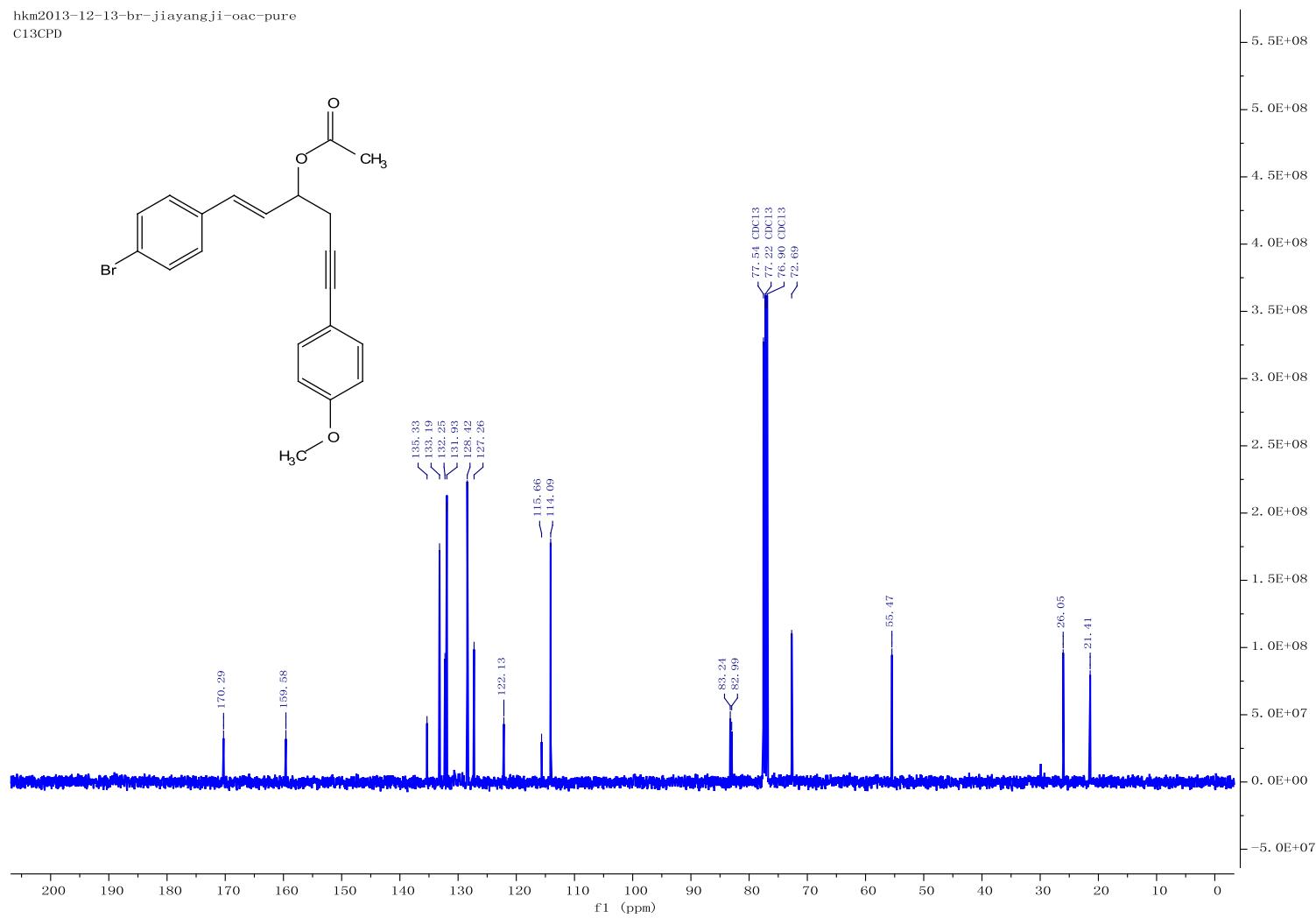
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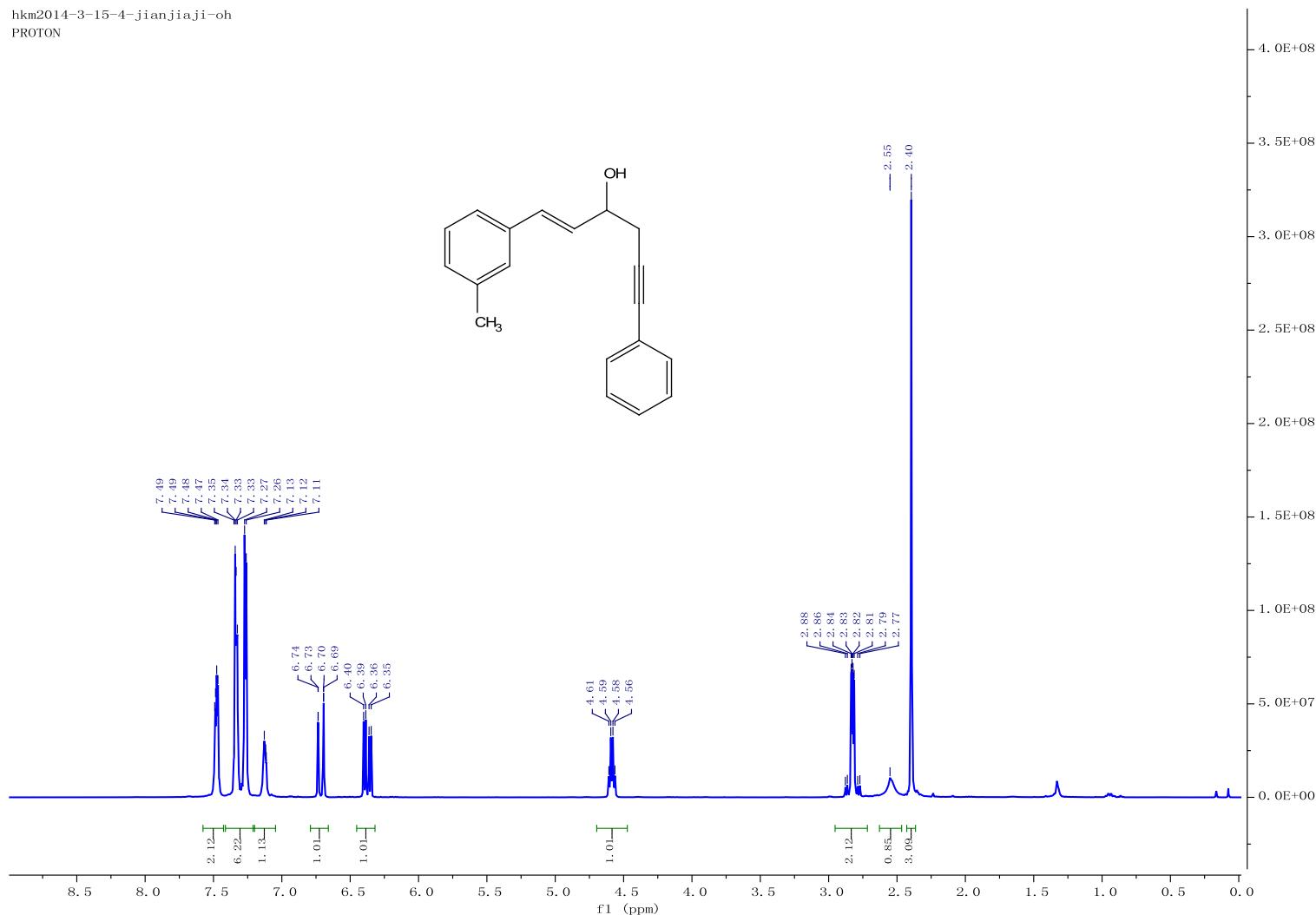
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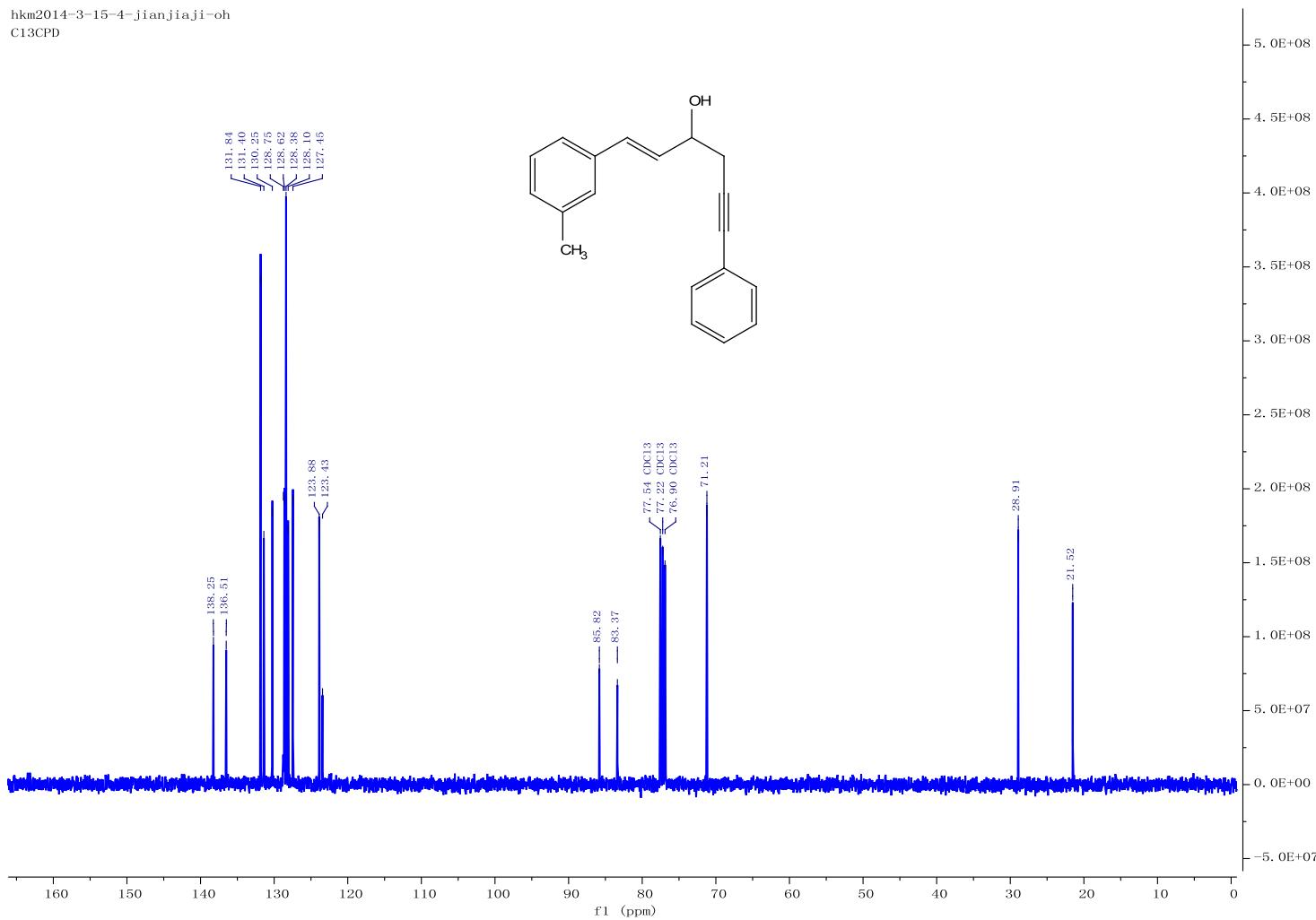
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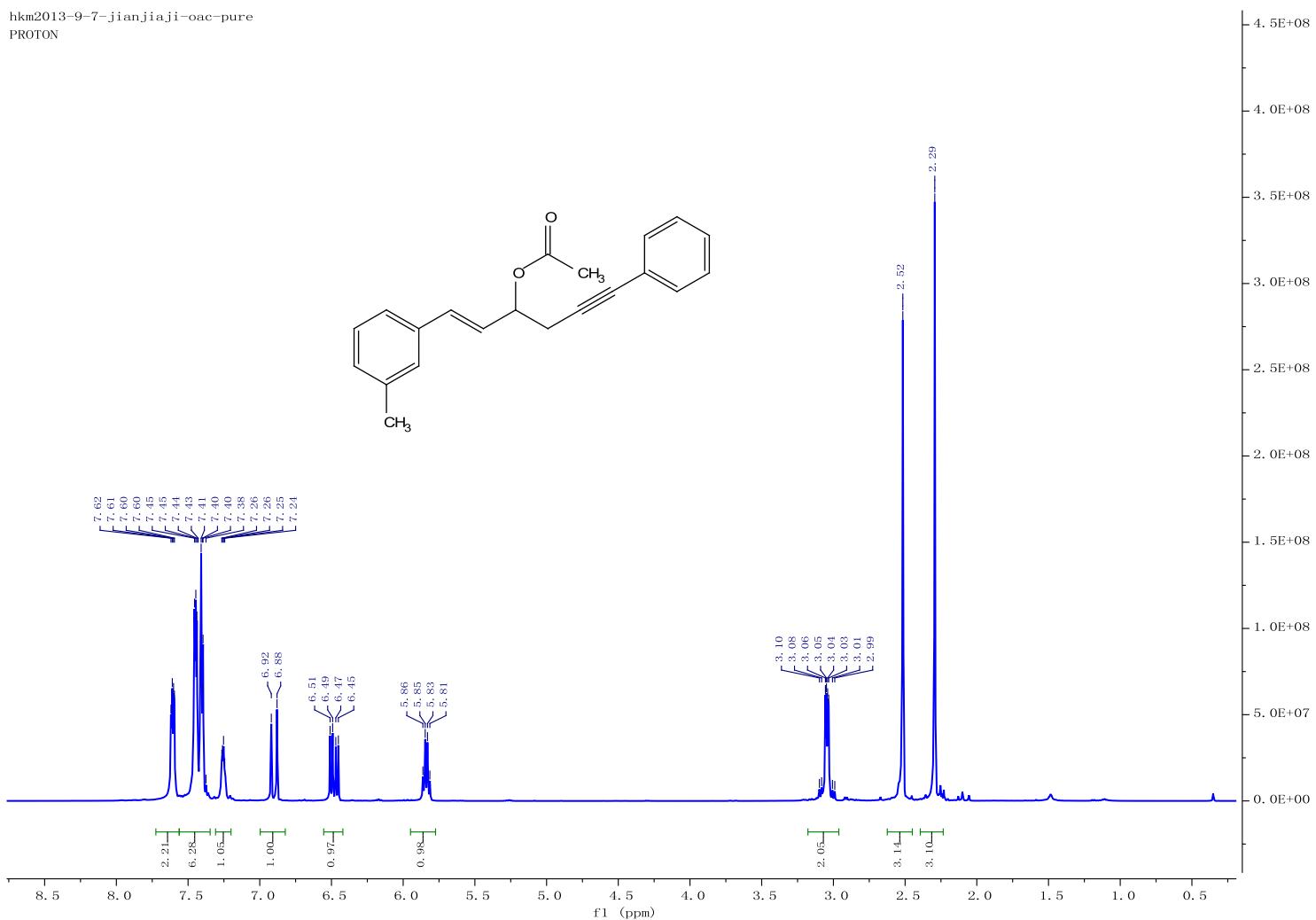
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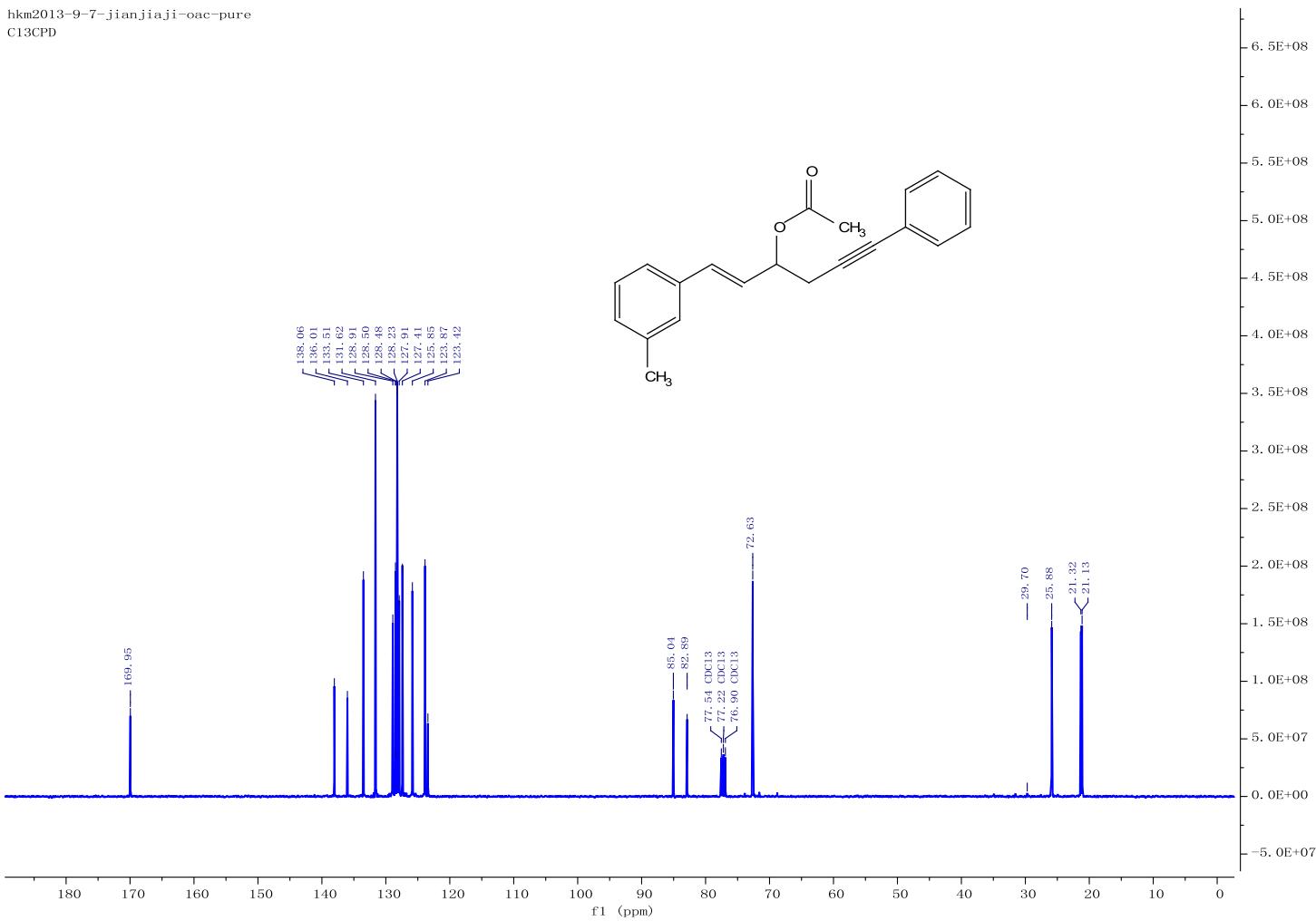
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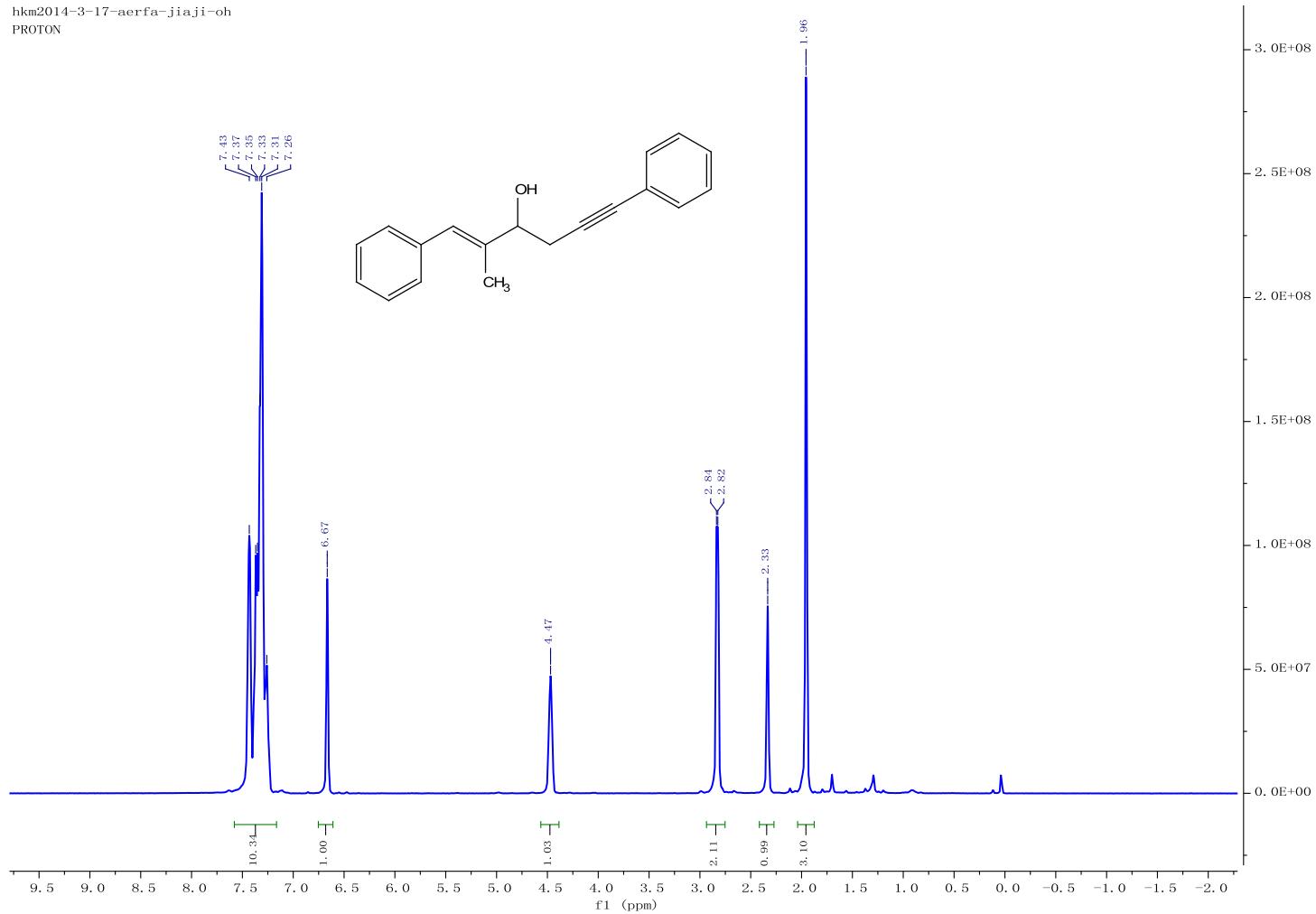
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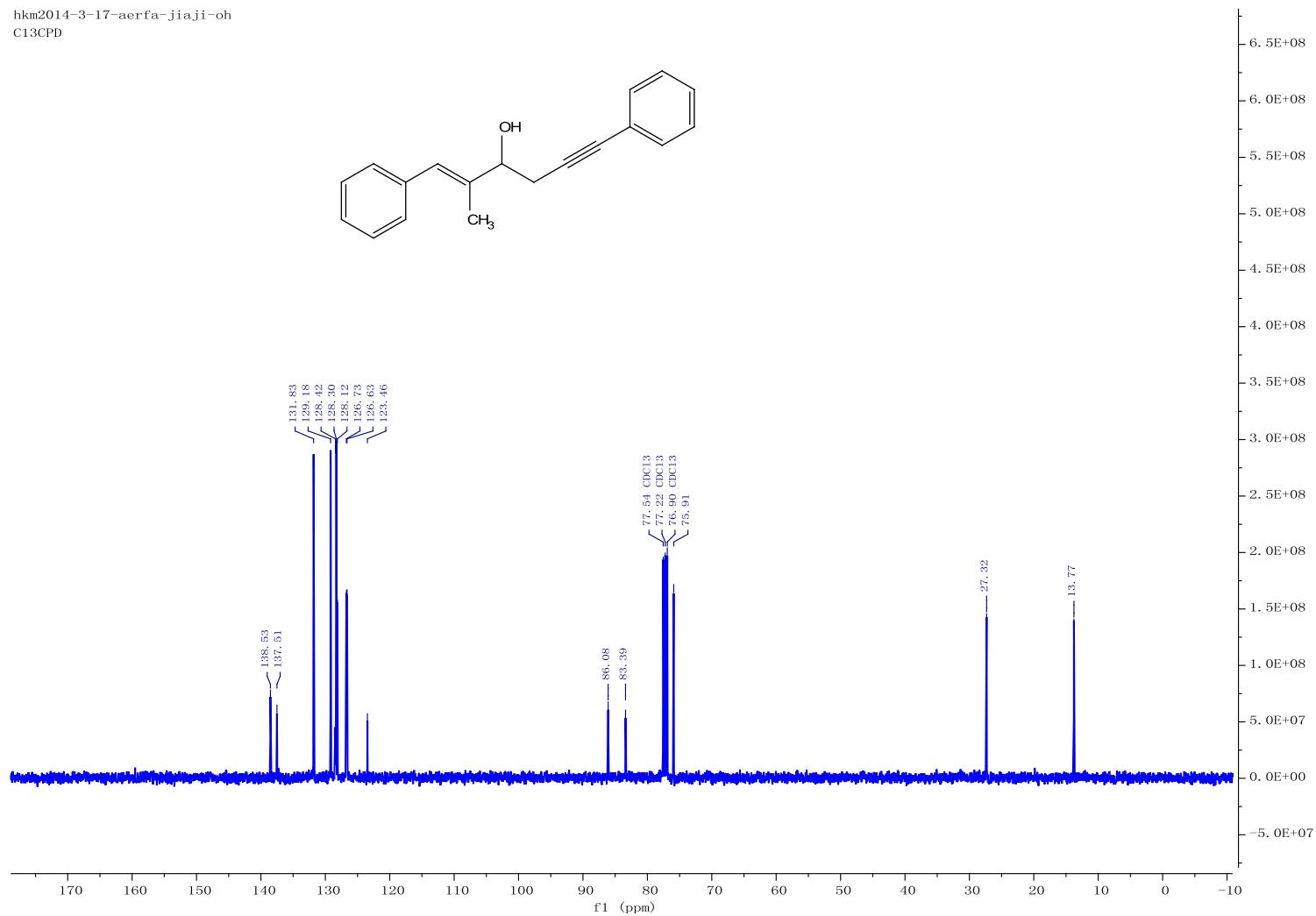
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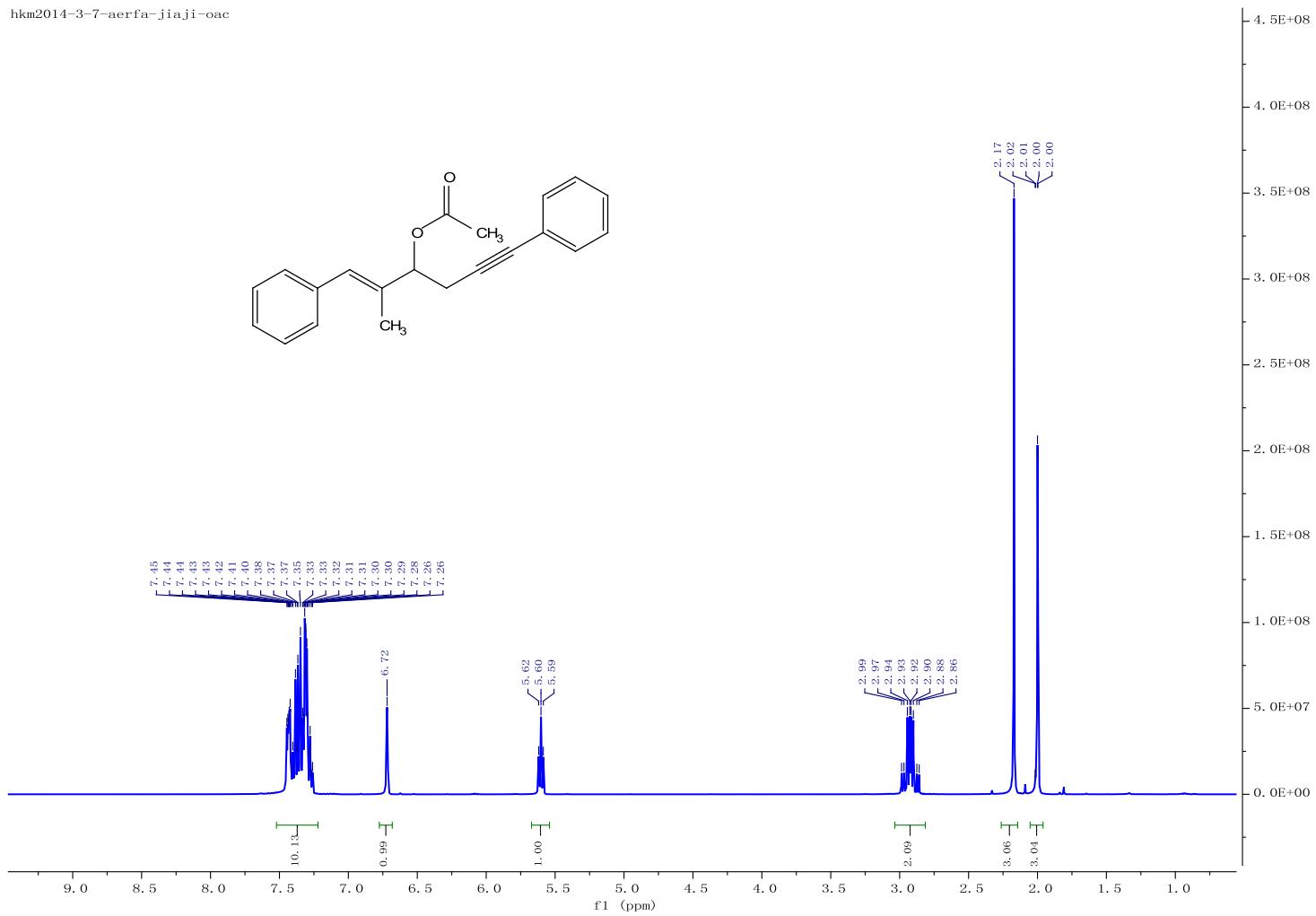
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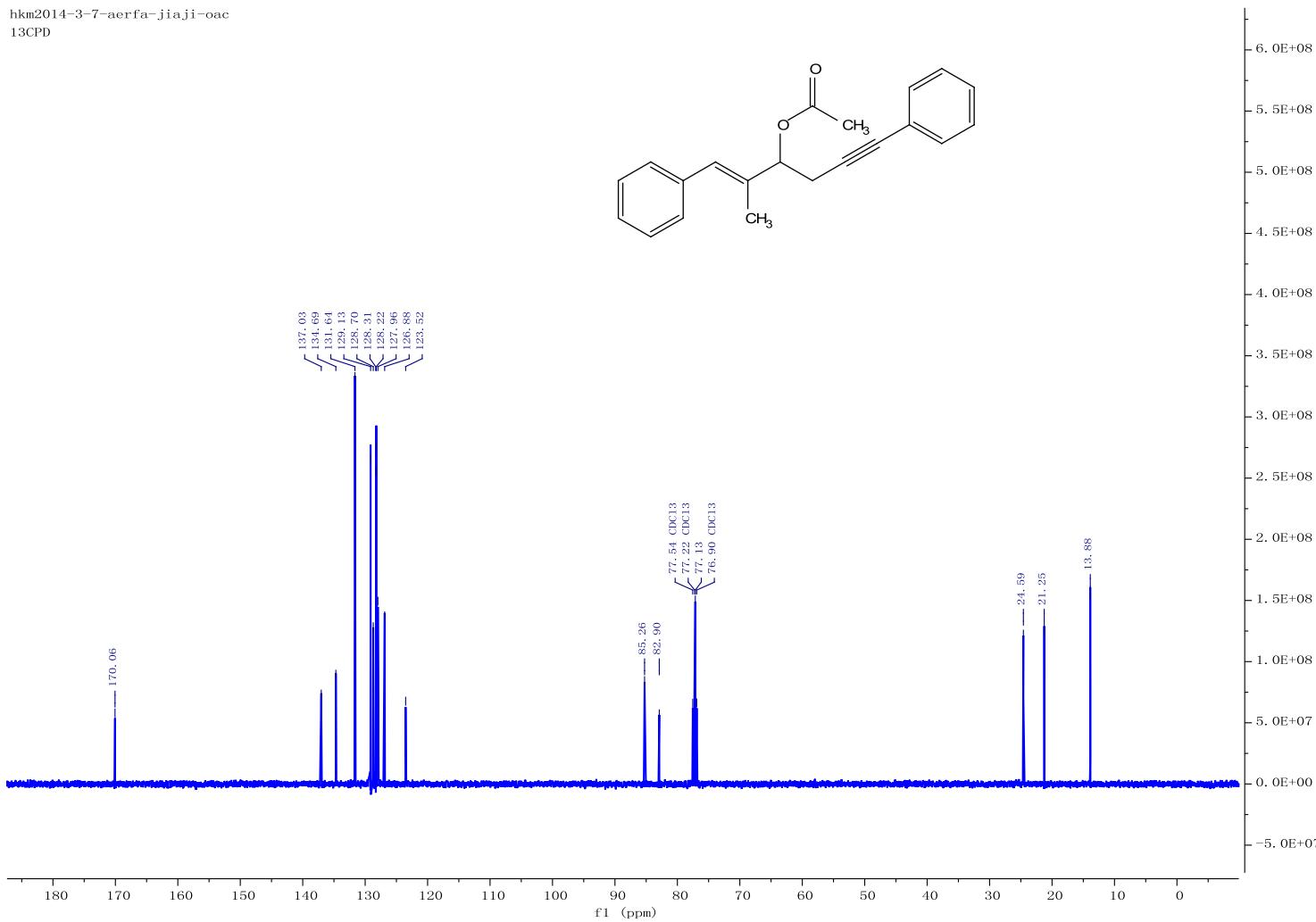
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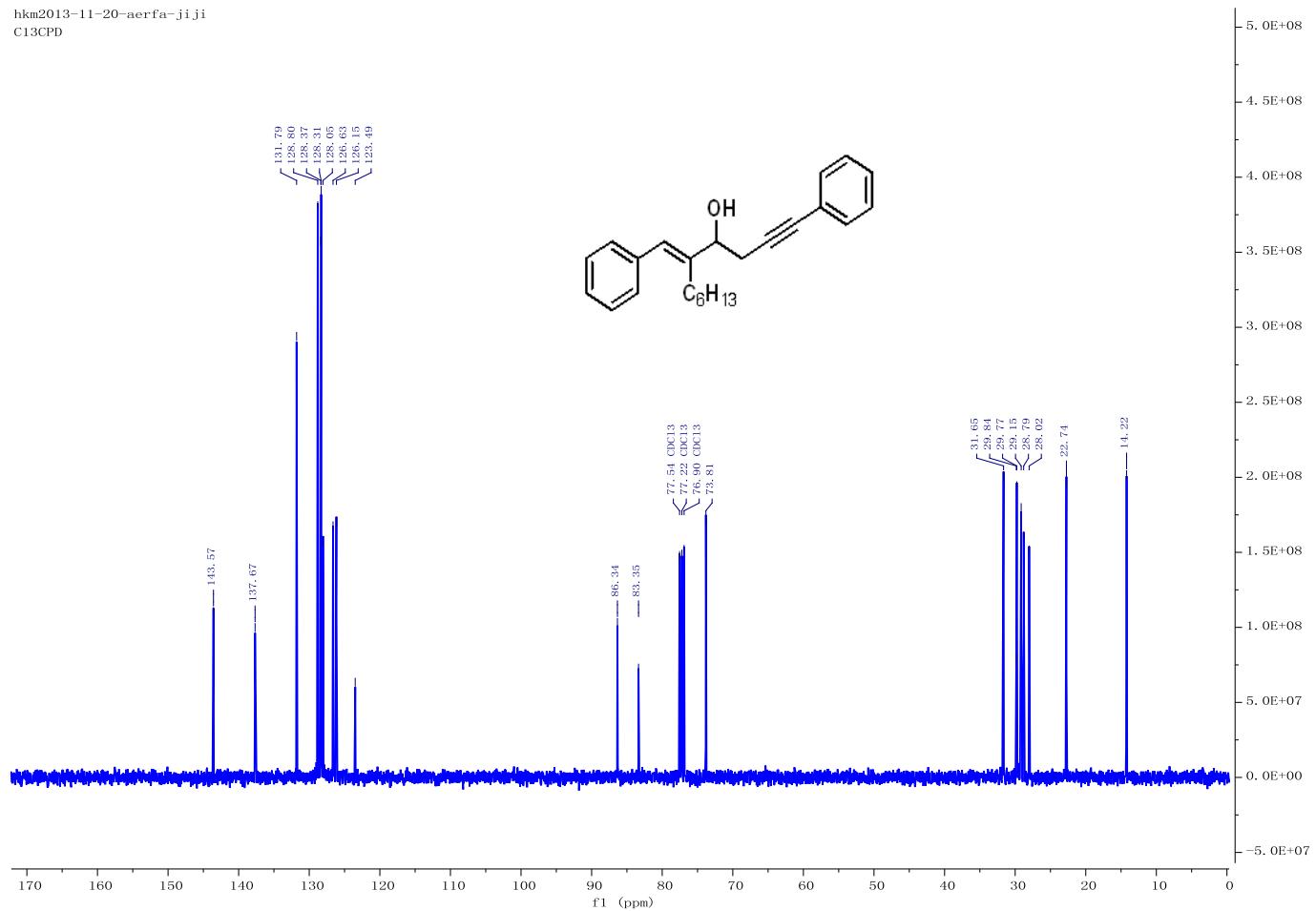
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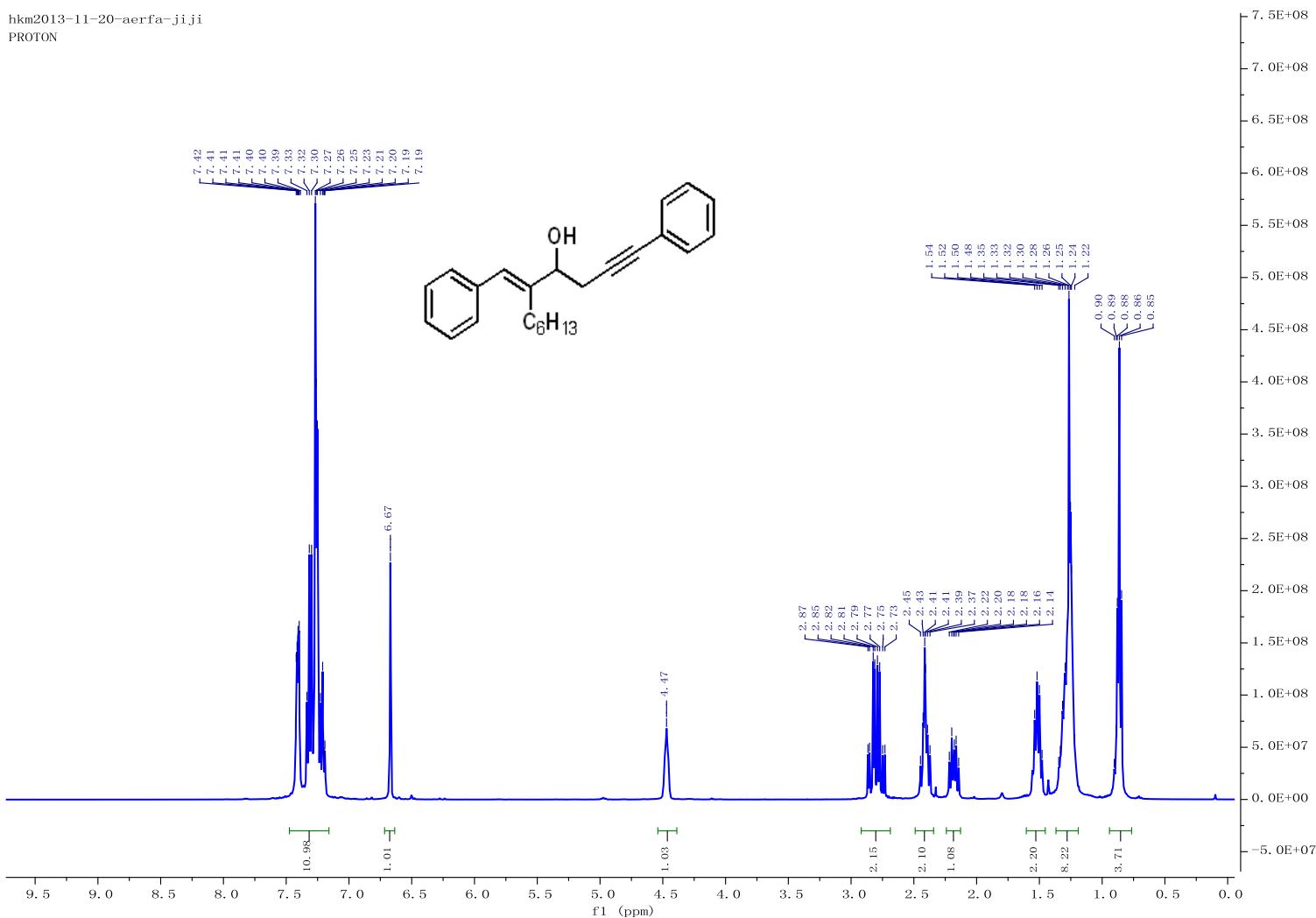
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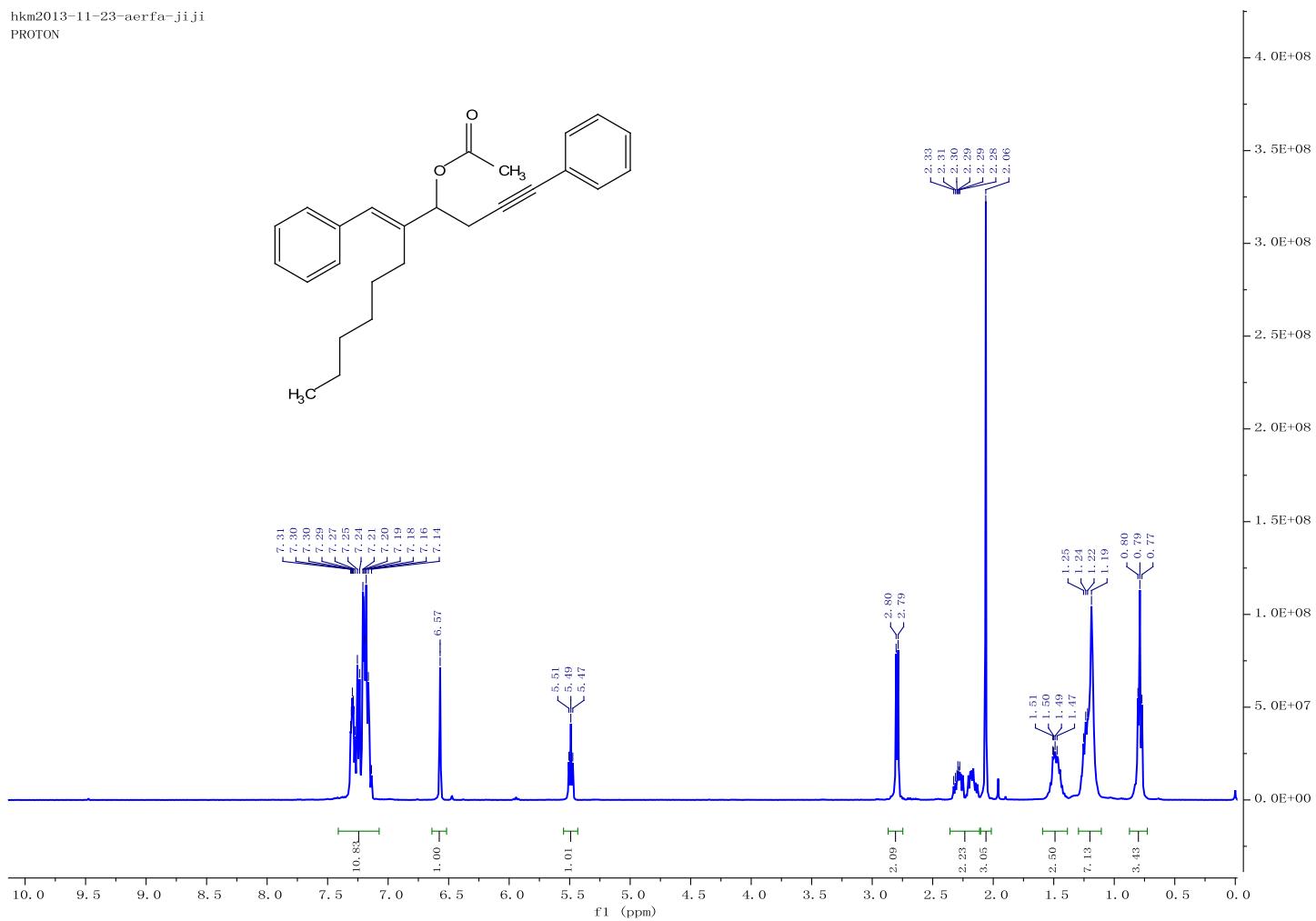
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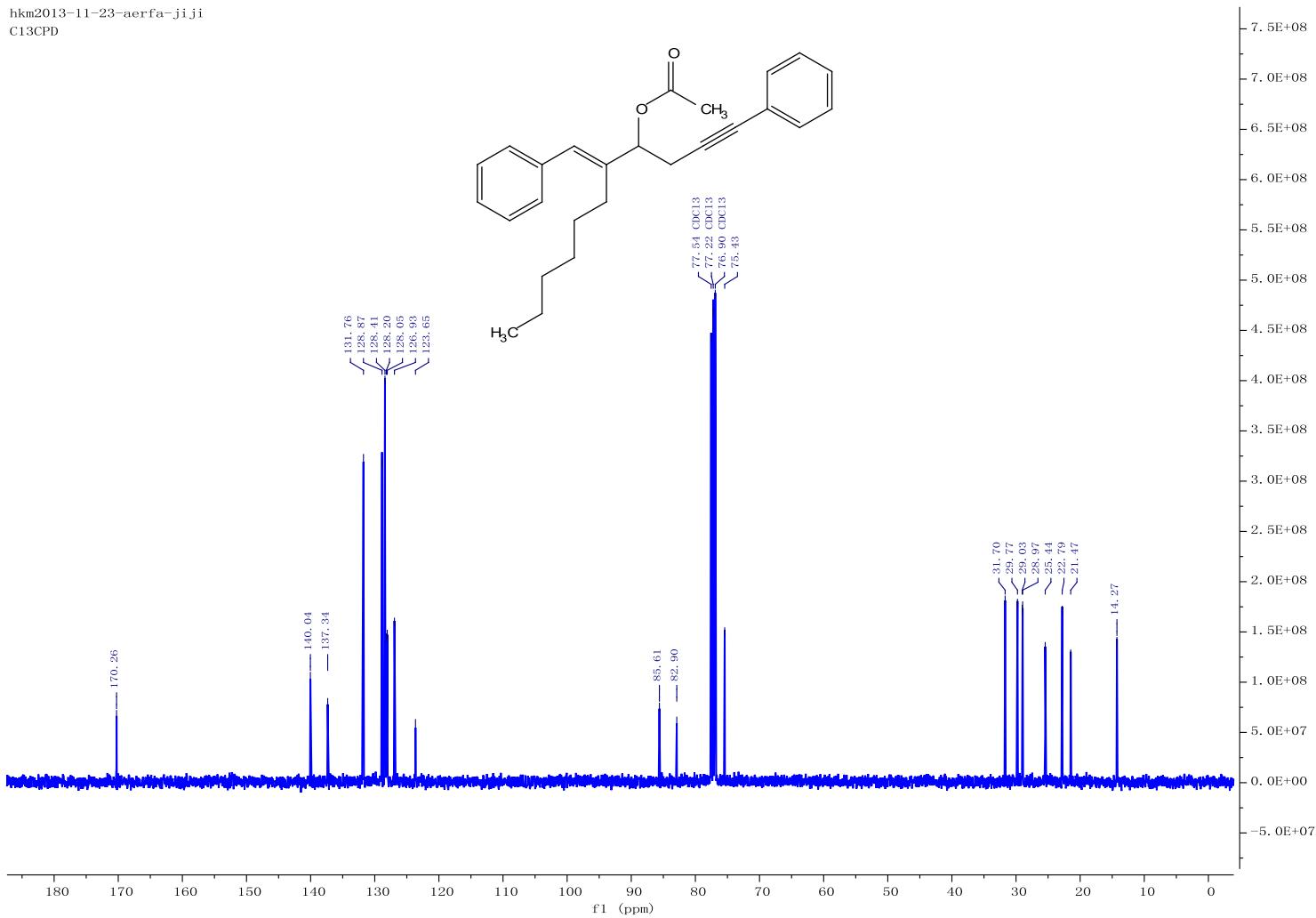
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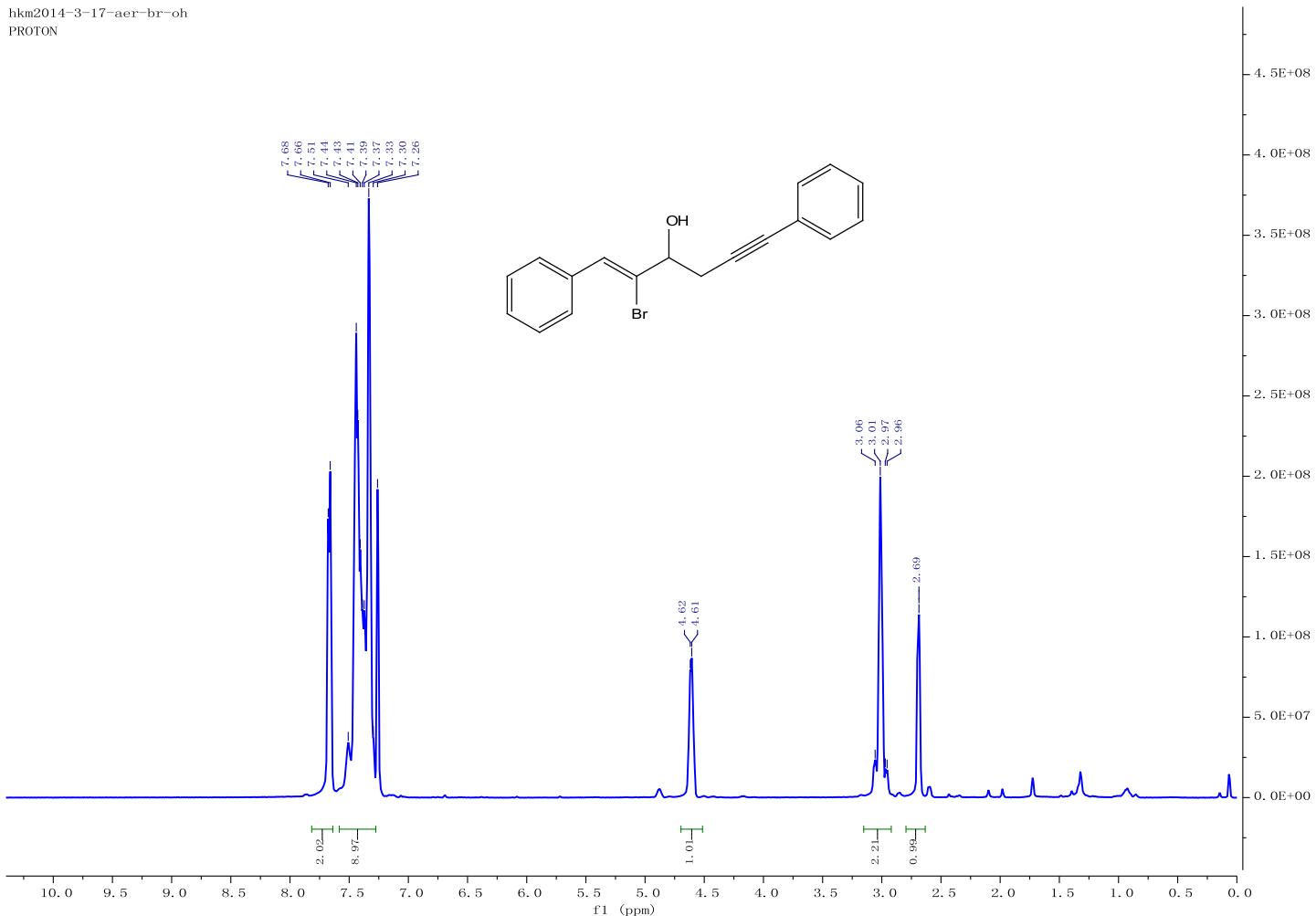
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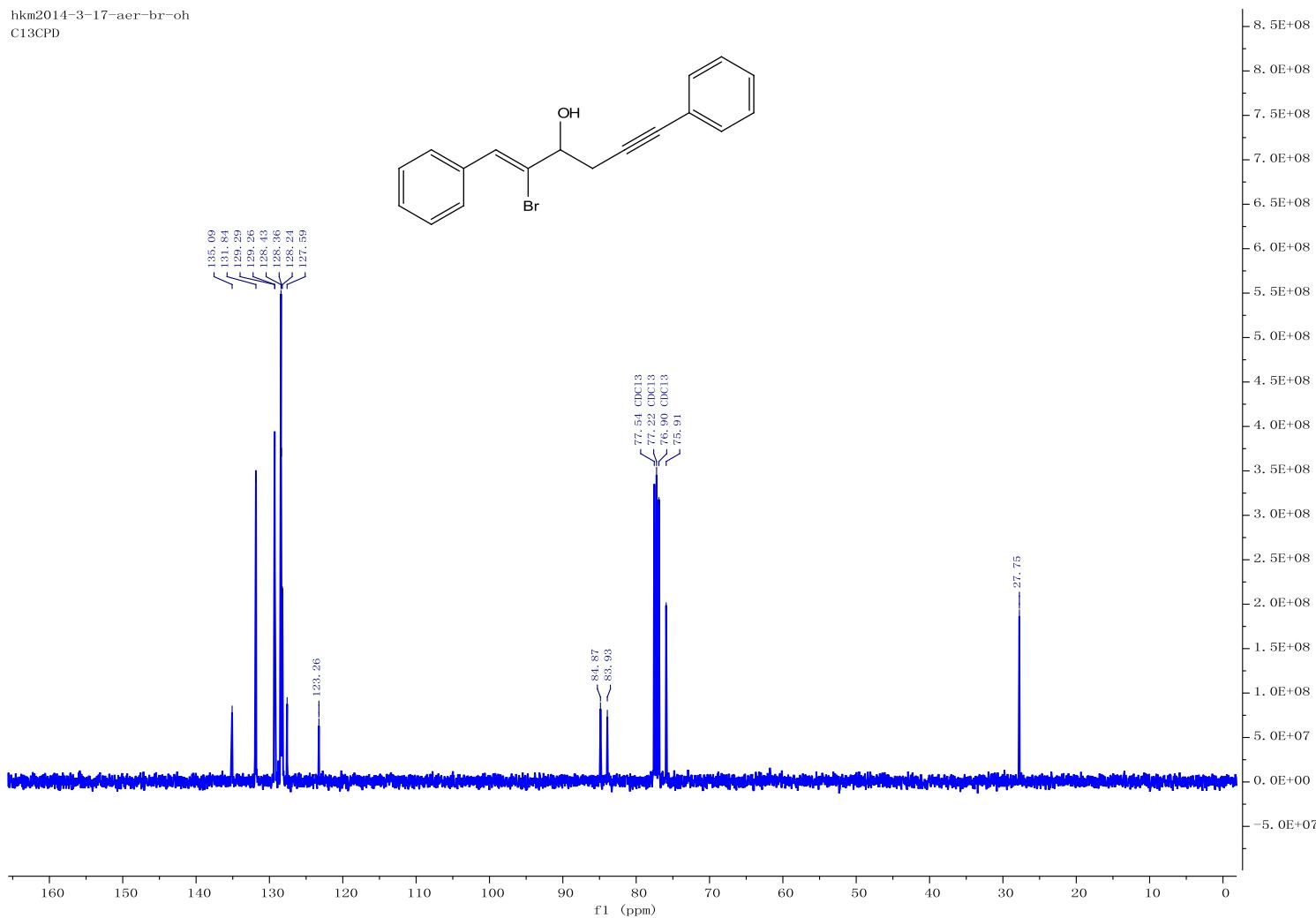
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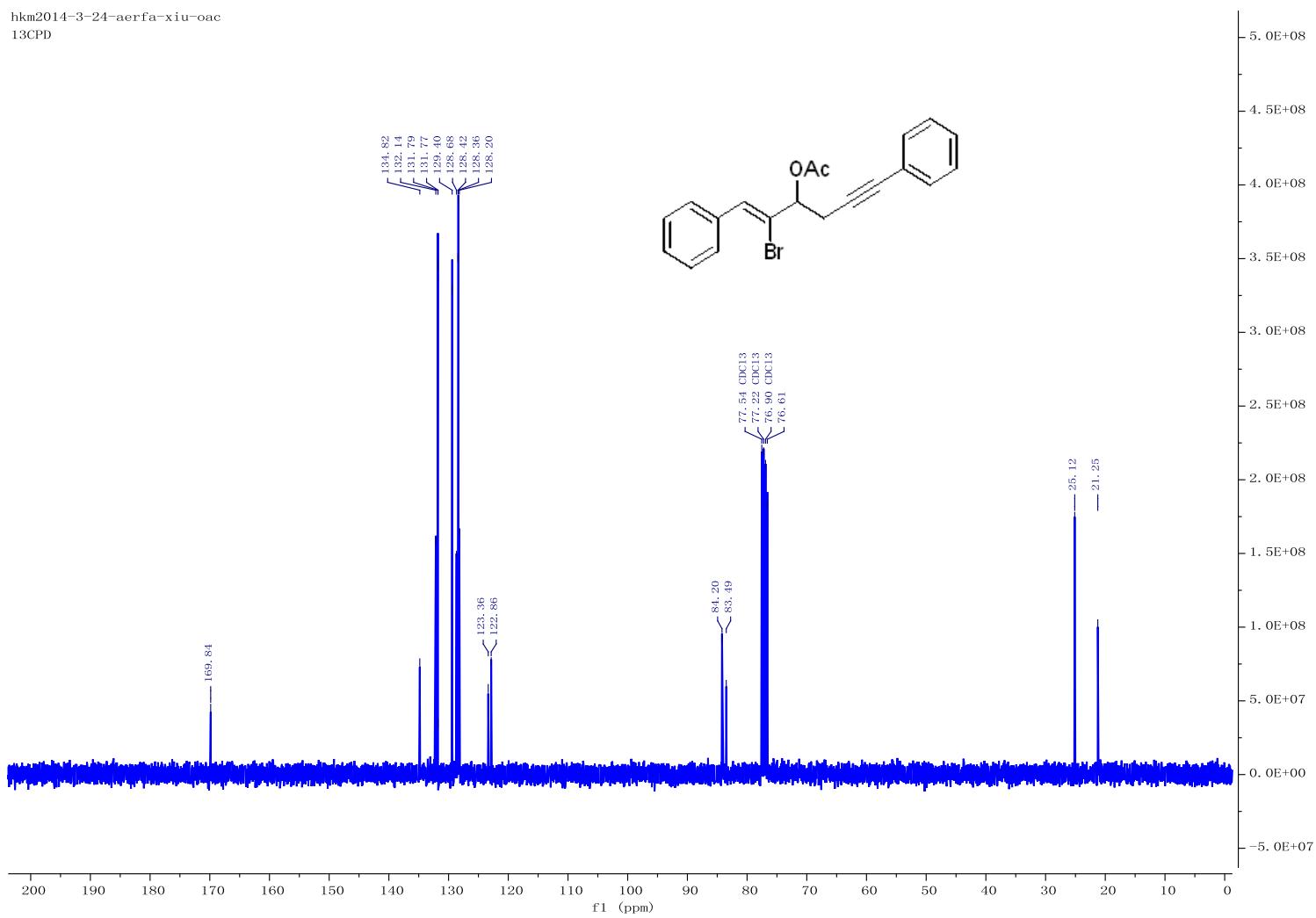
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PROTON



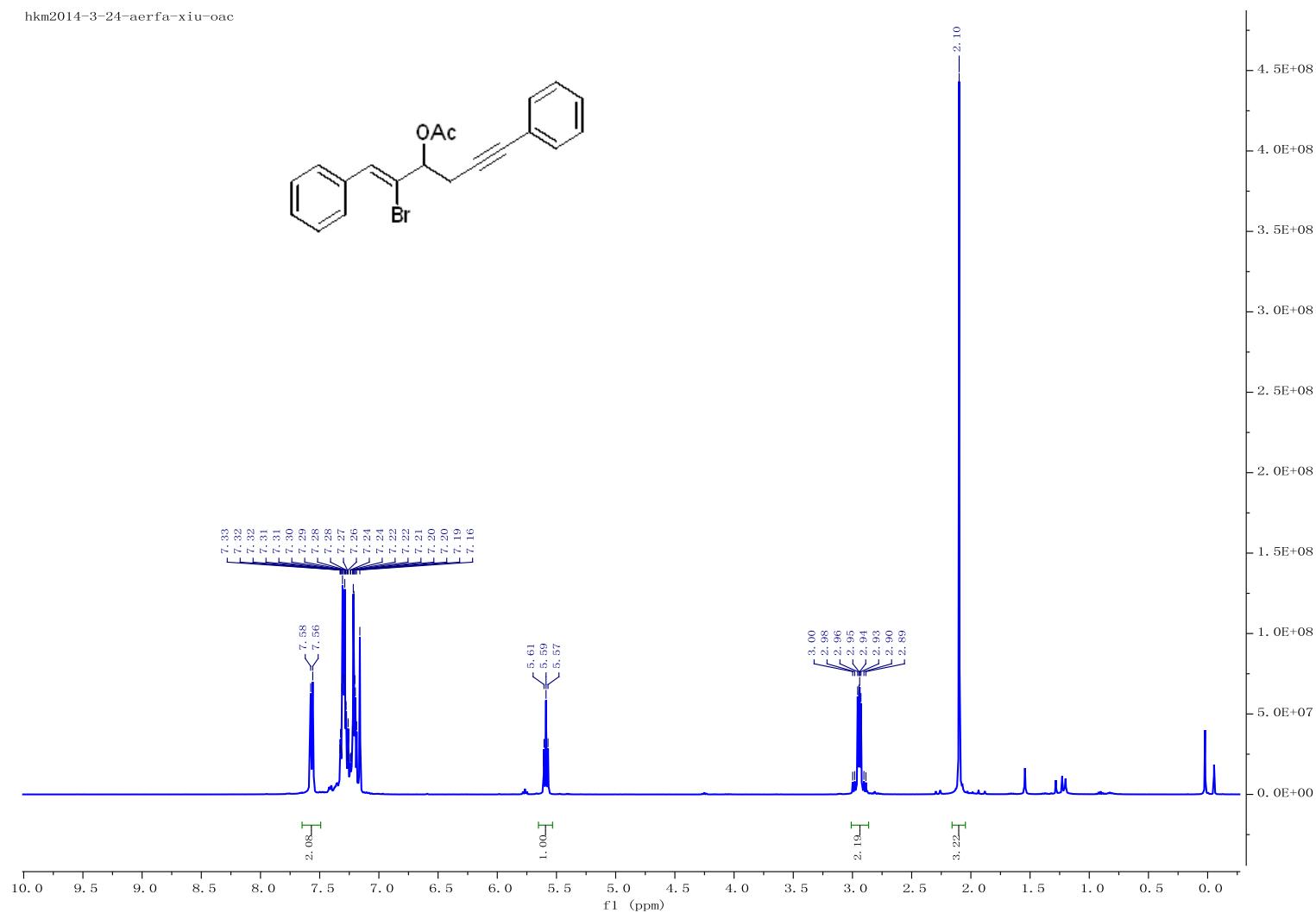
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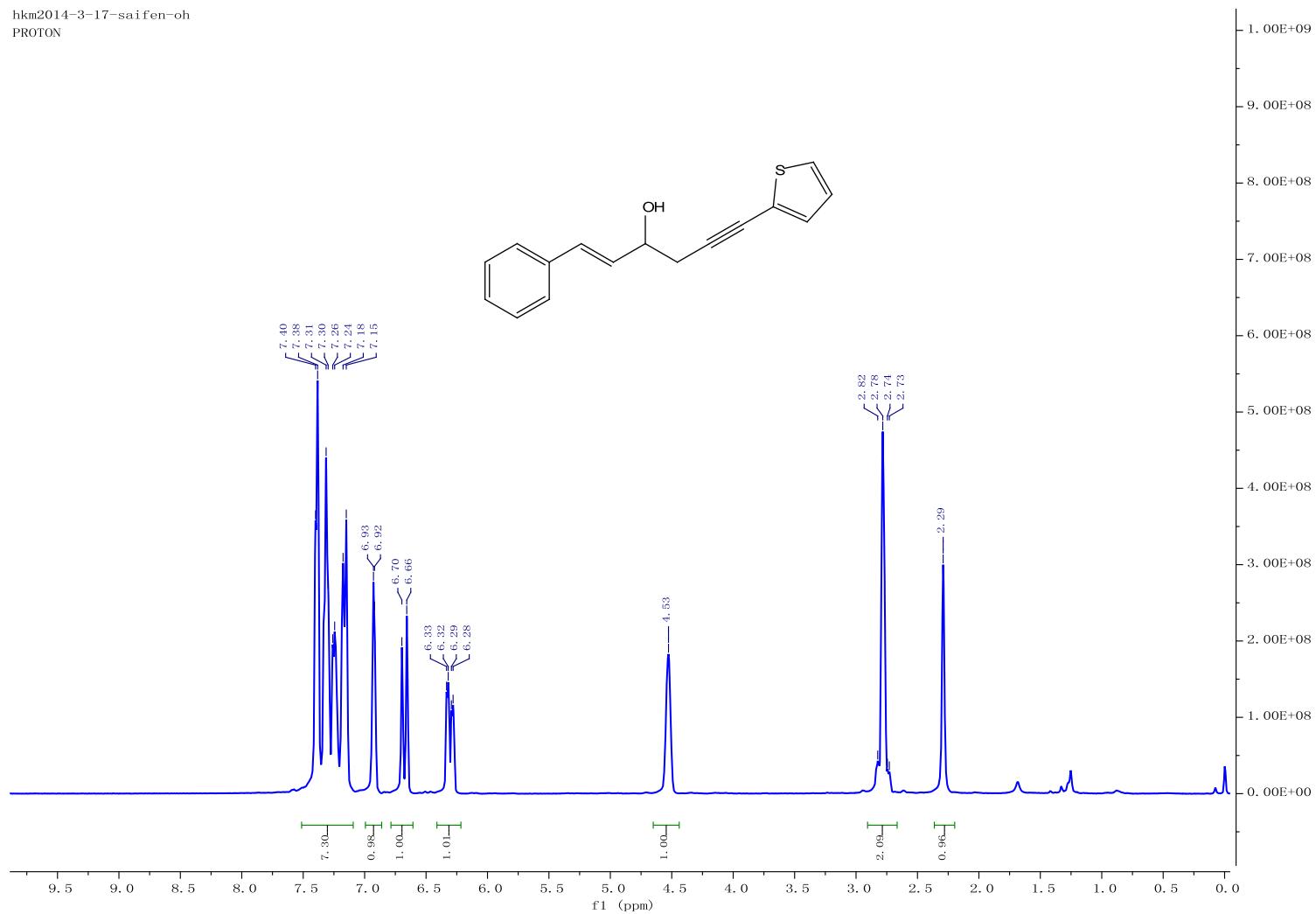
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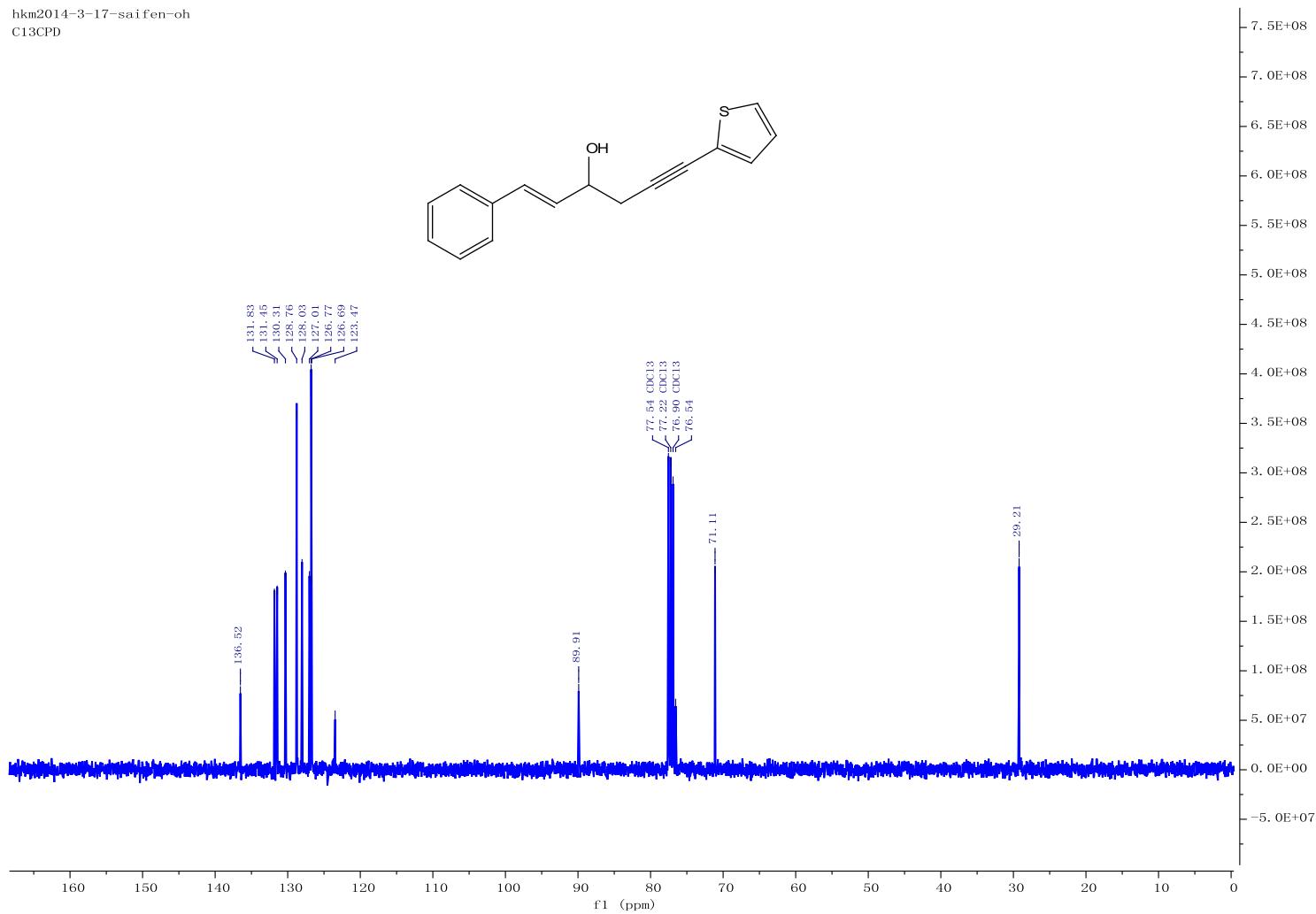
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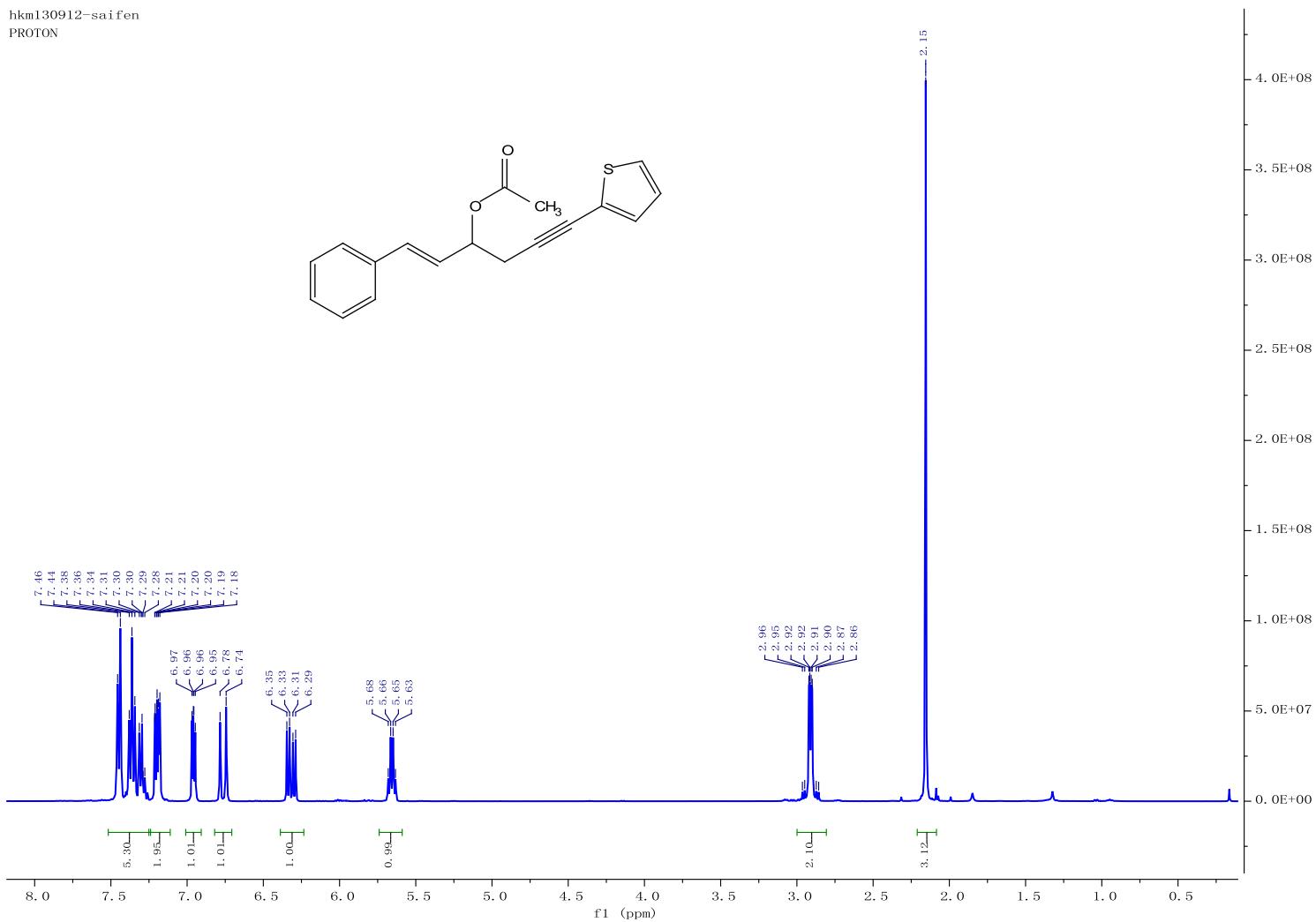
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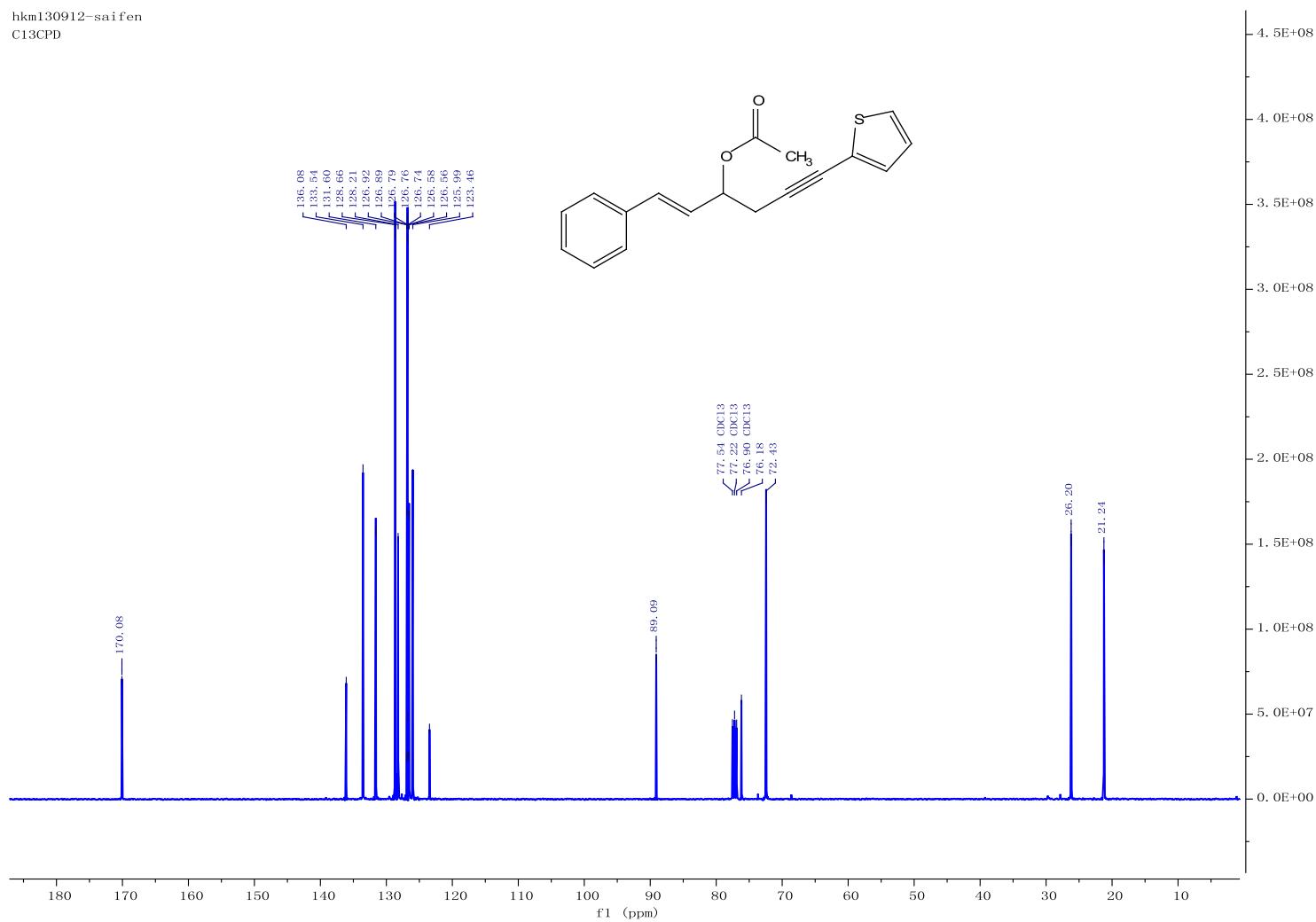
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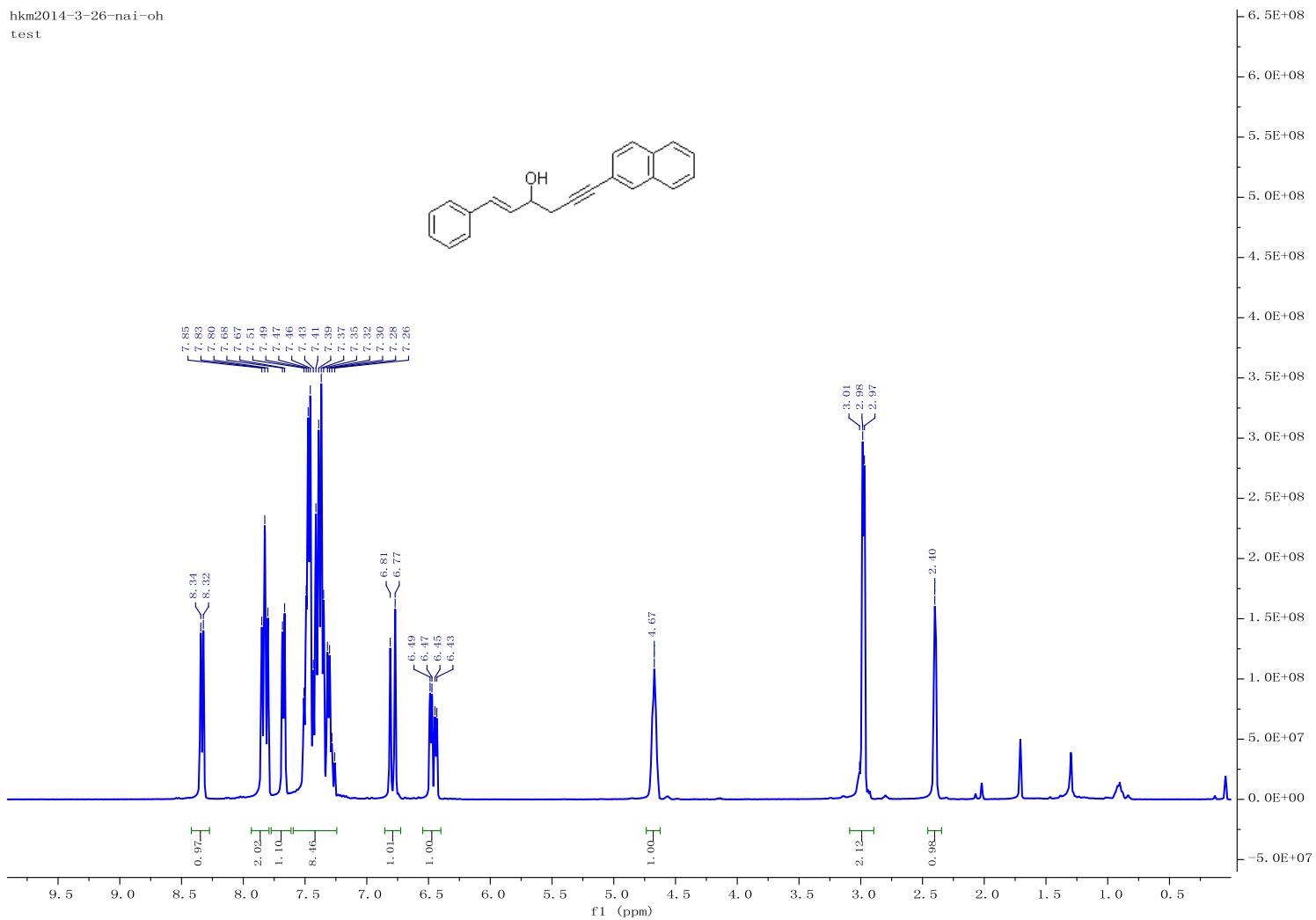
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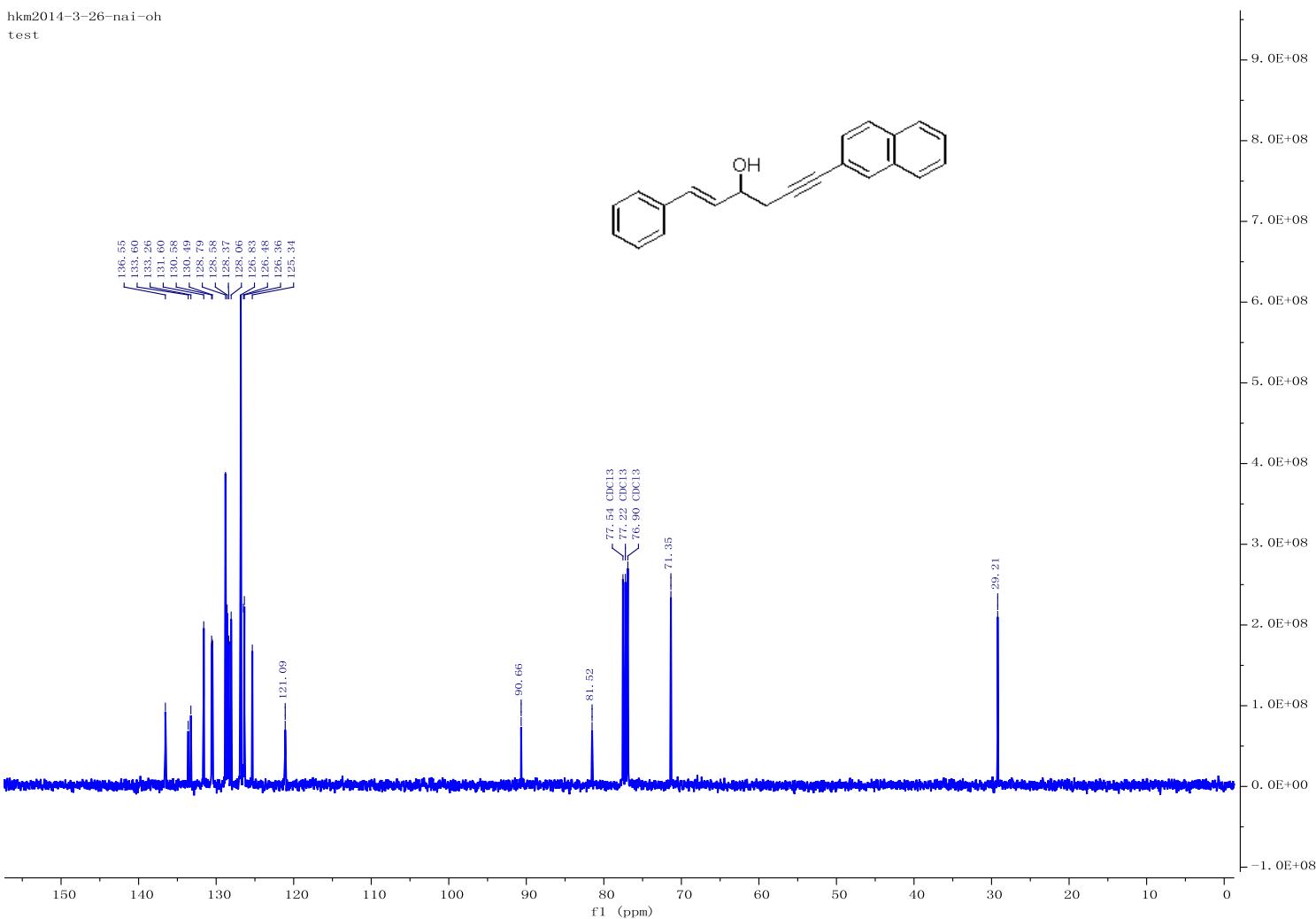
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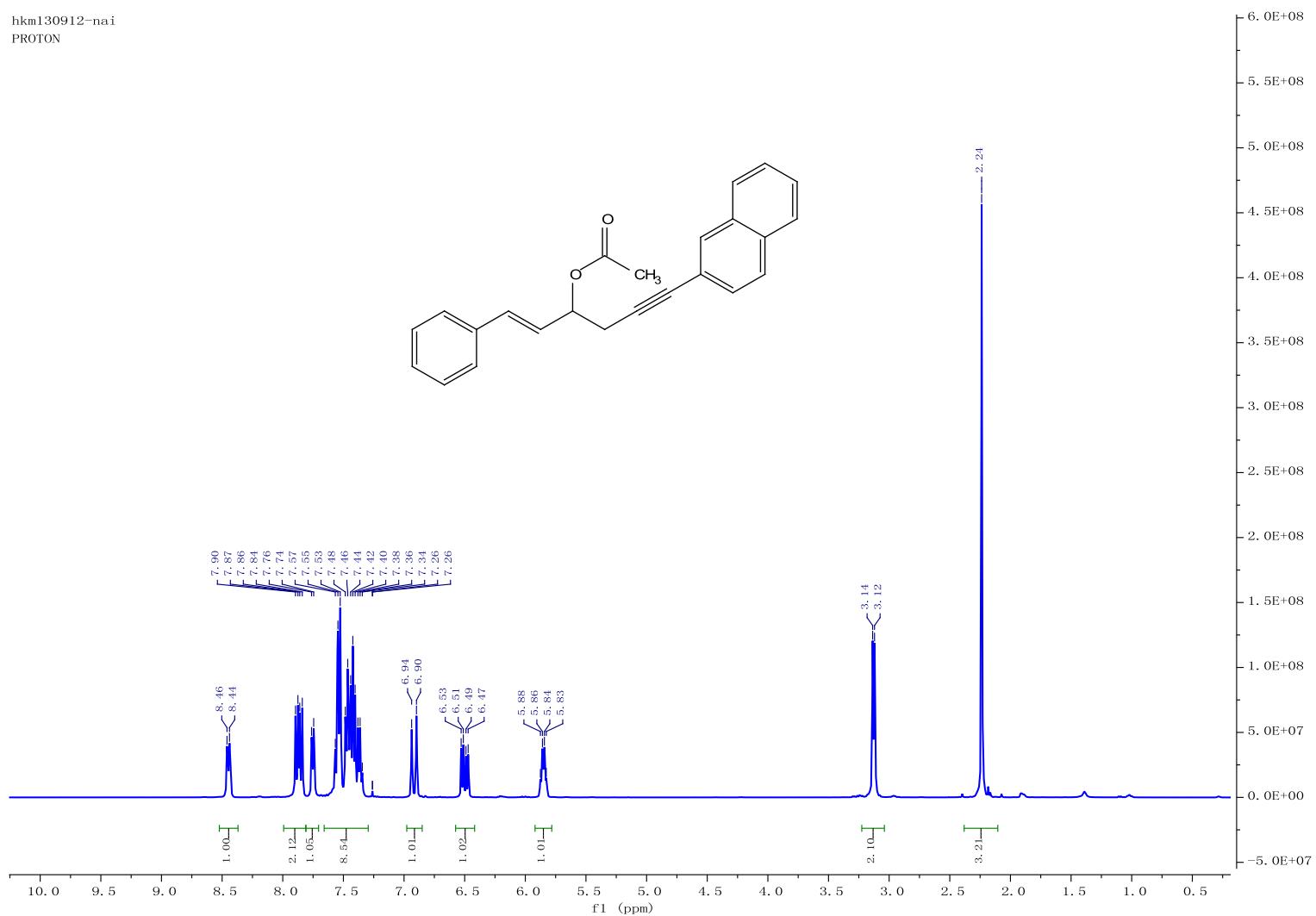
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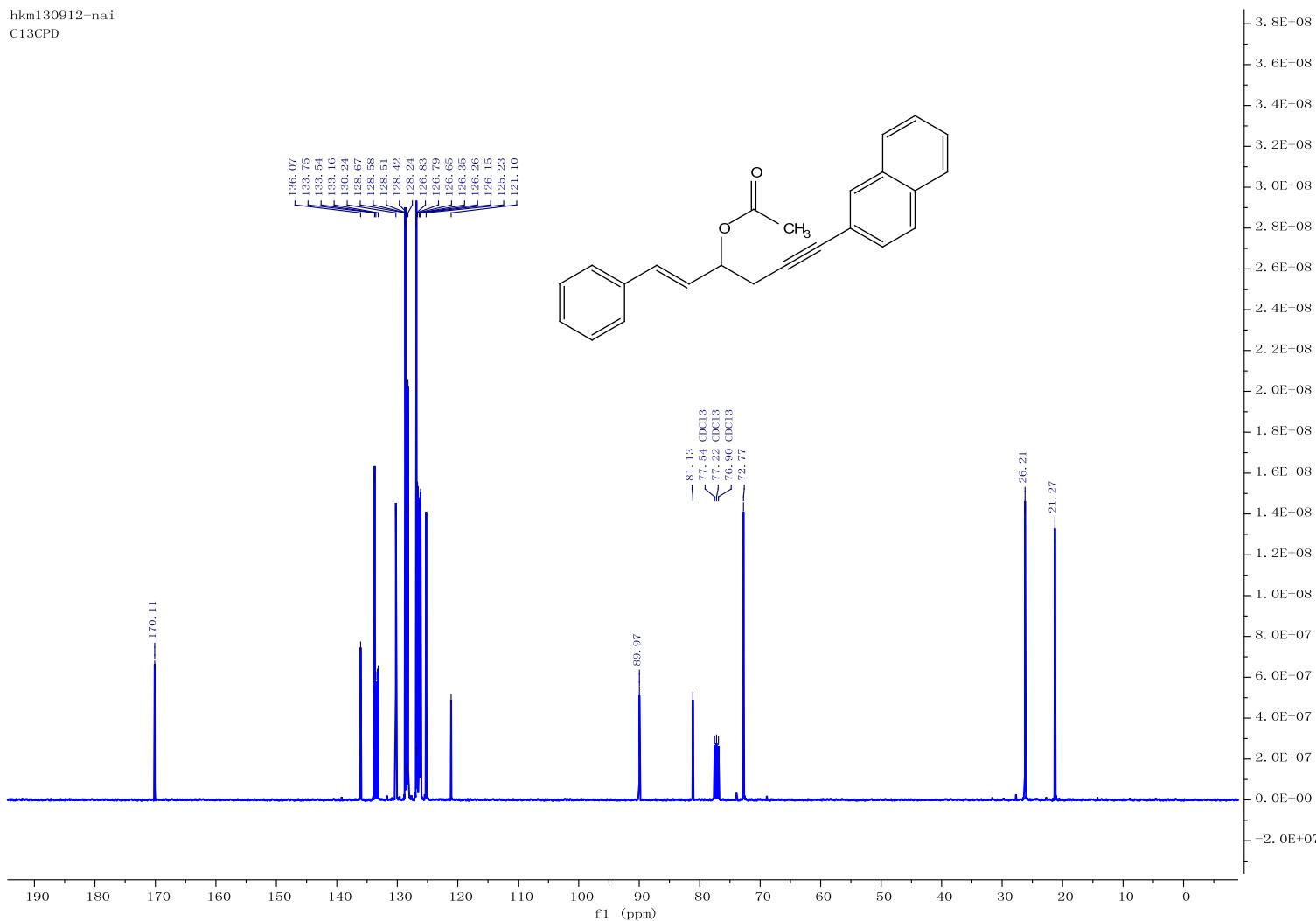
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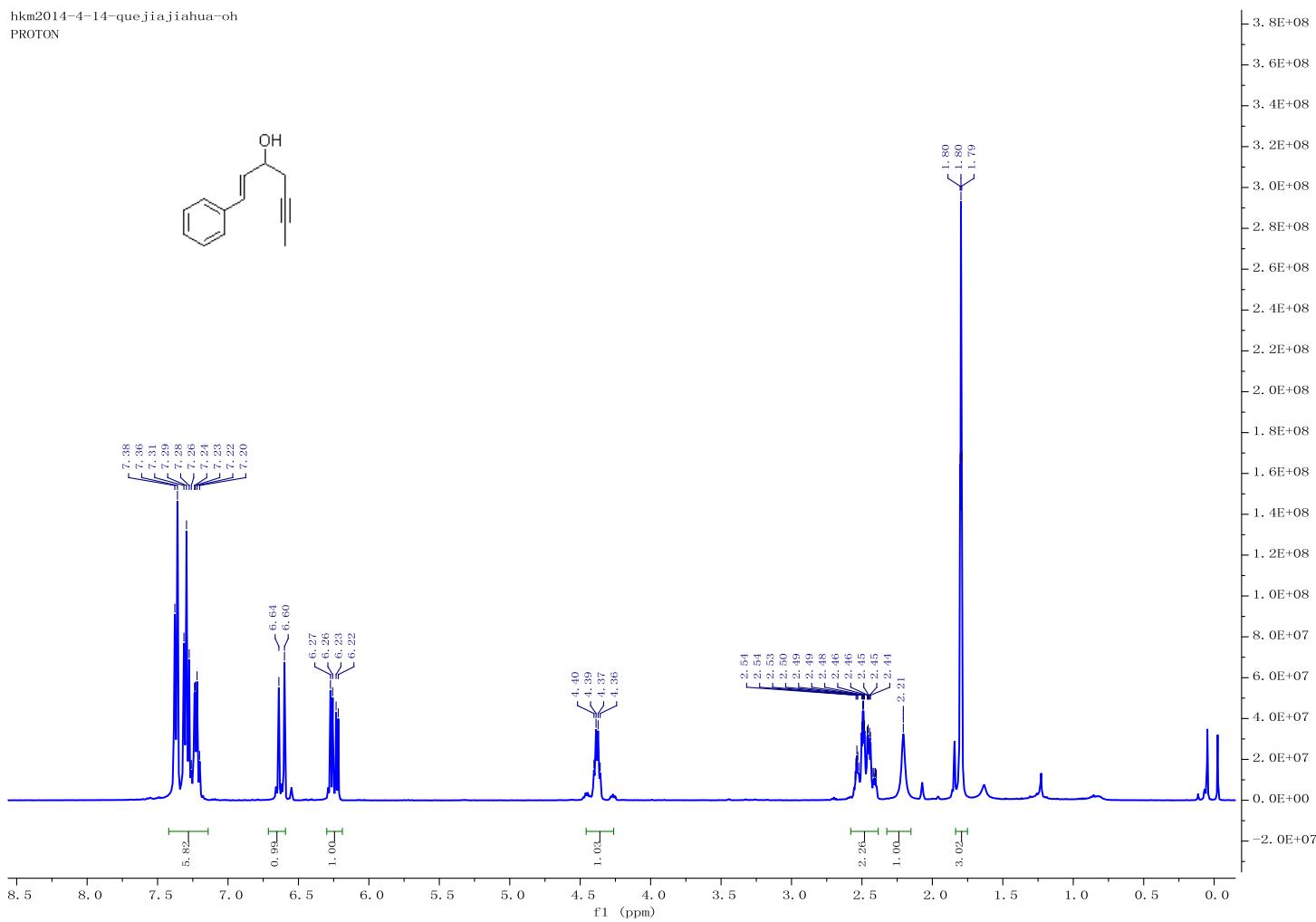
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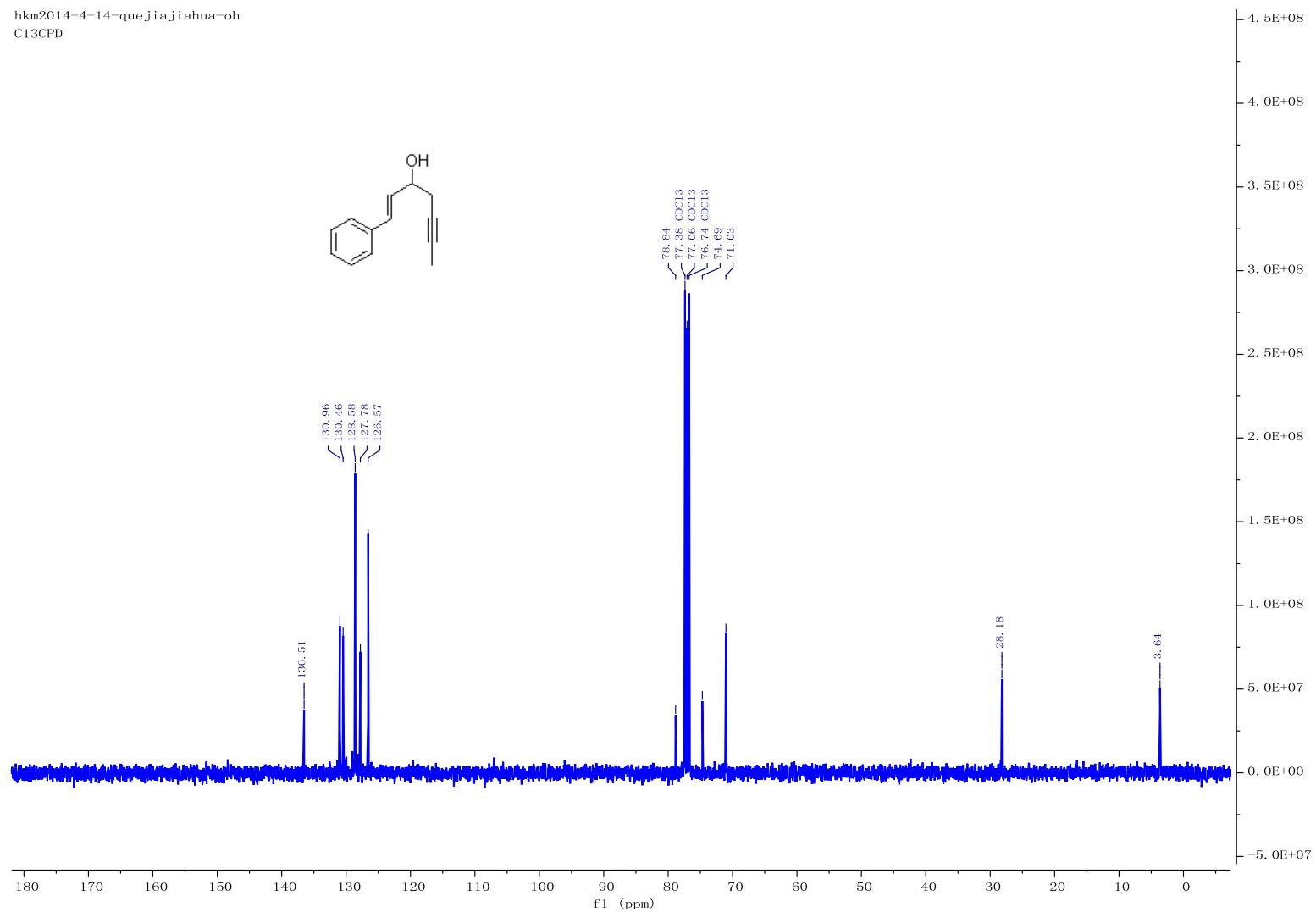
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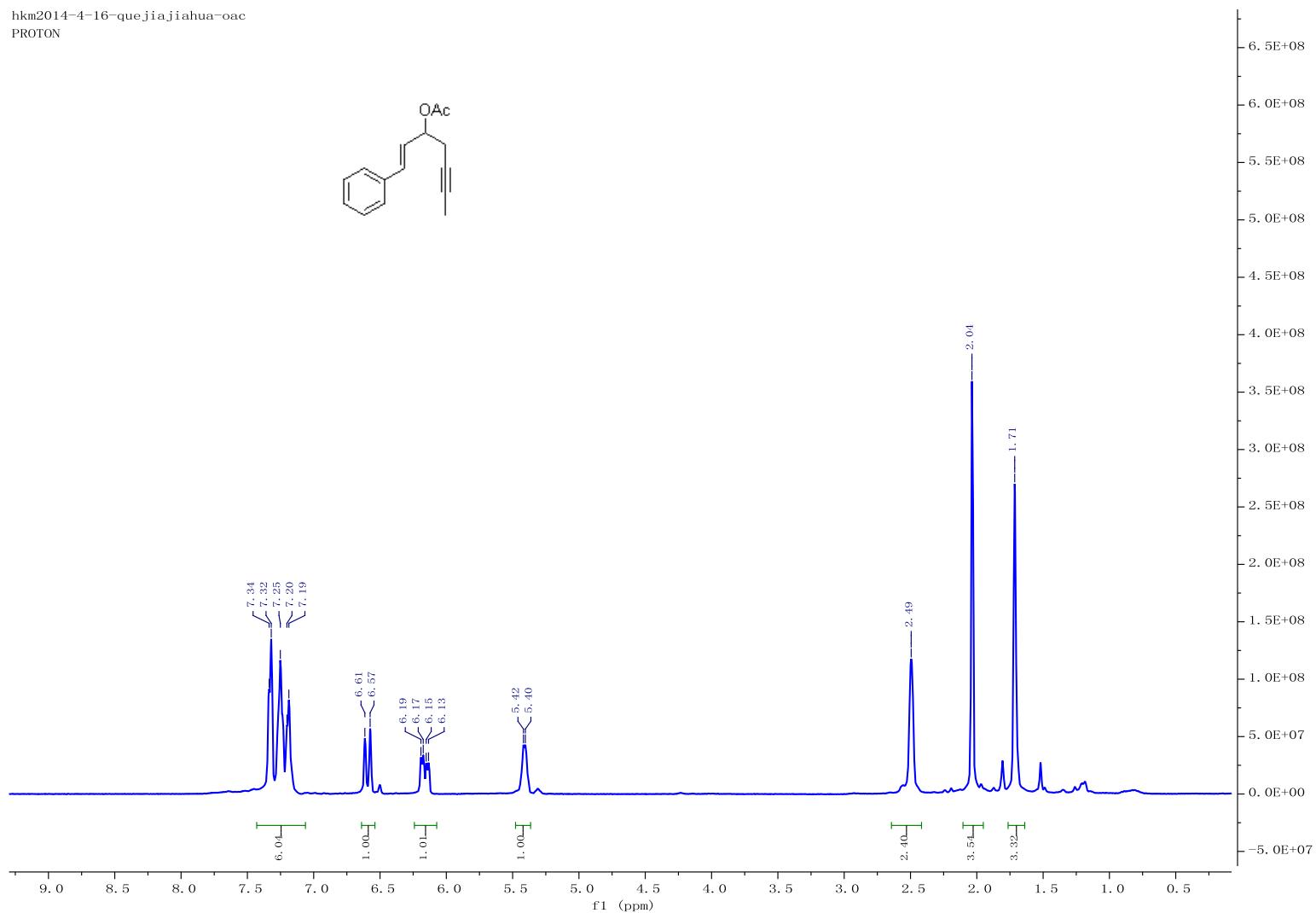
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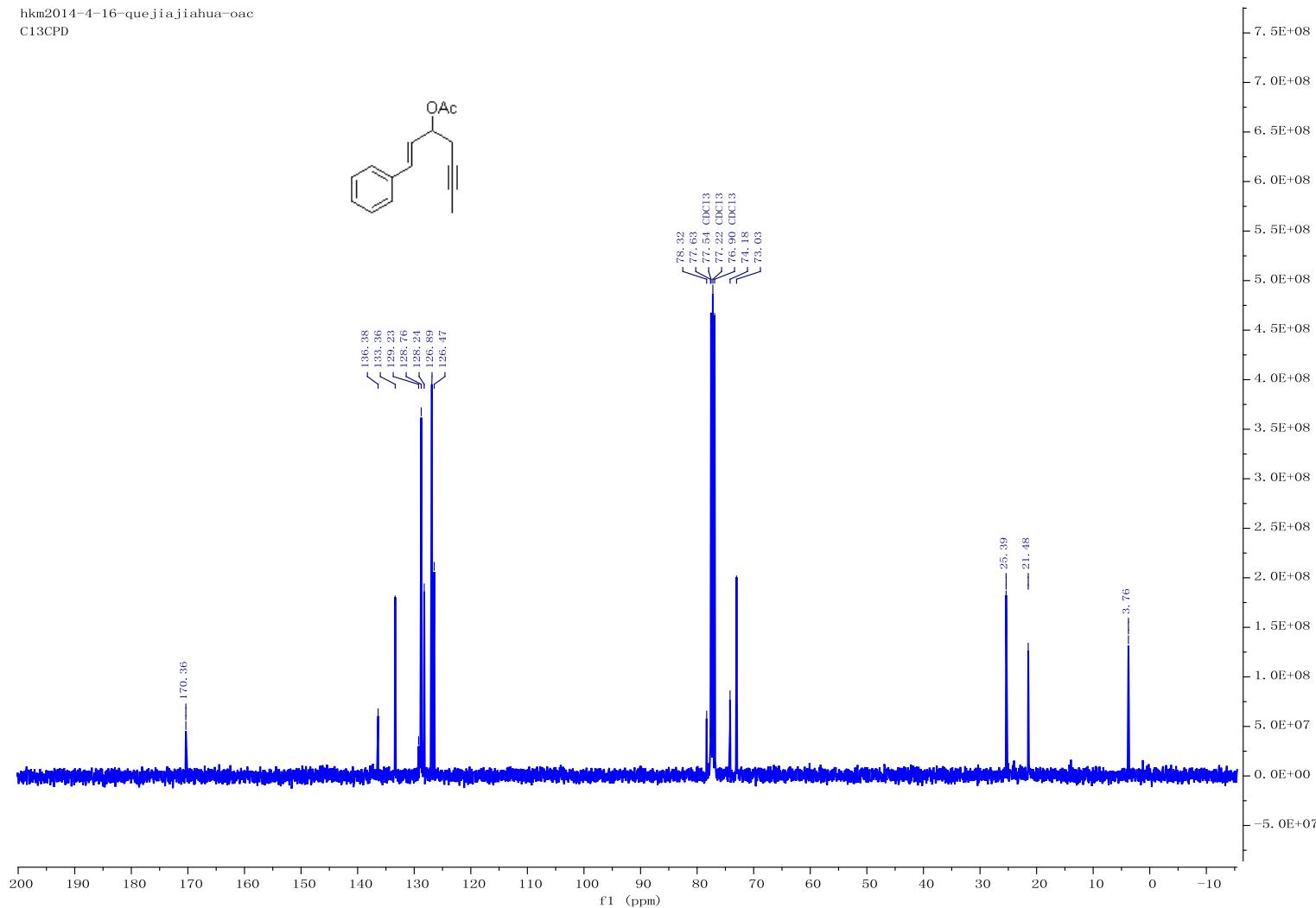
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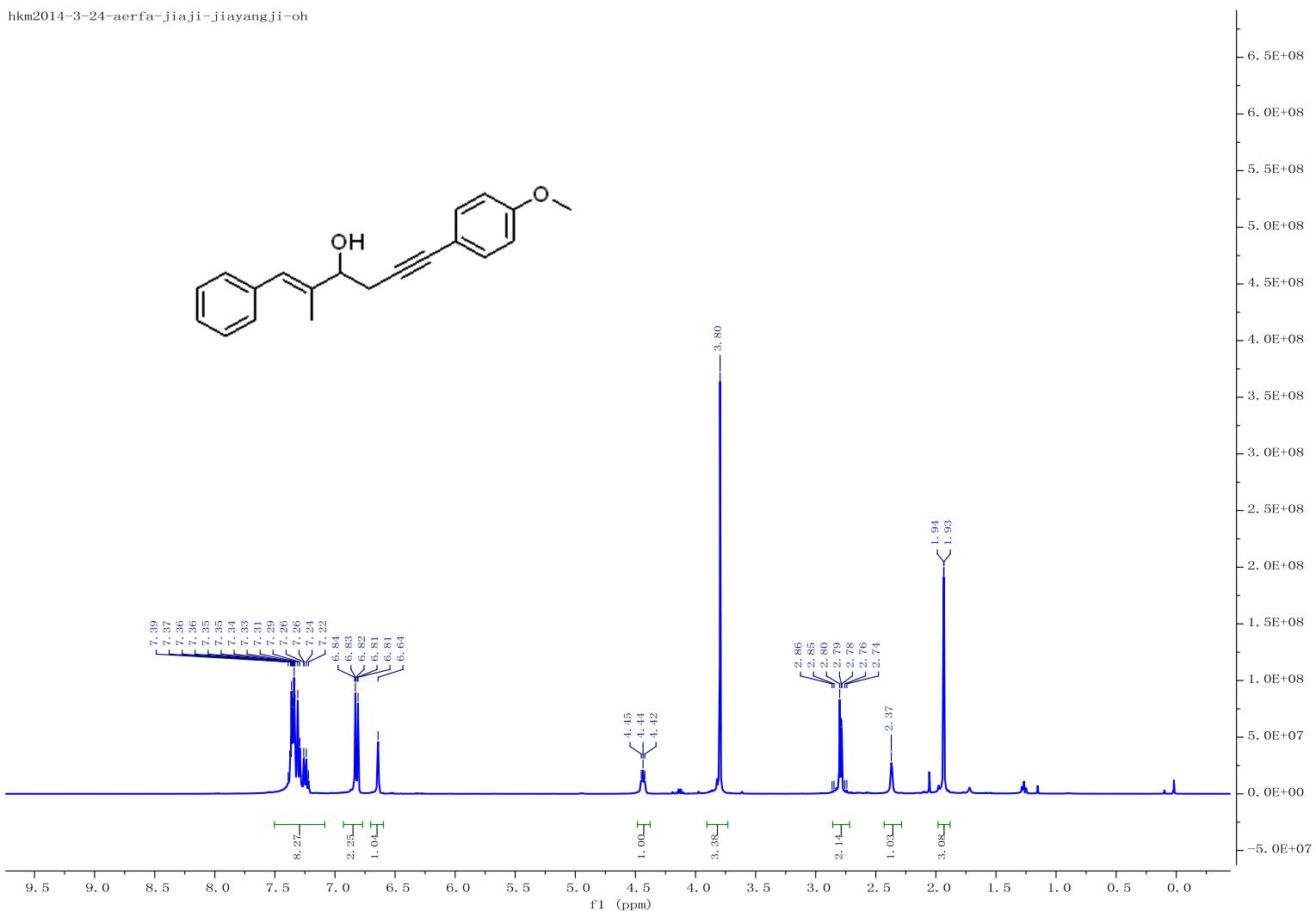
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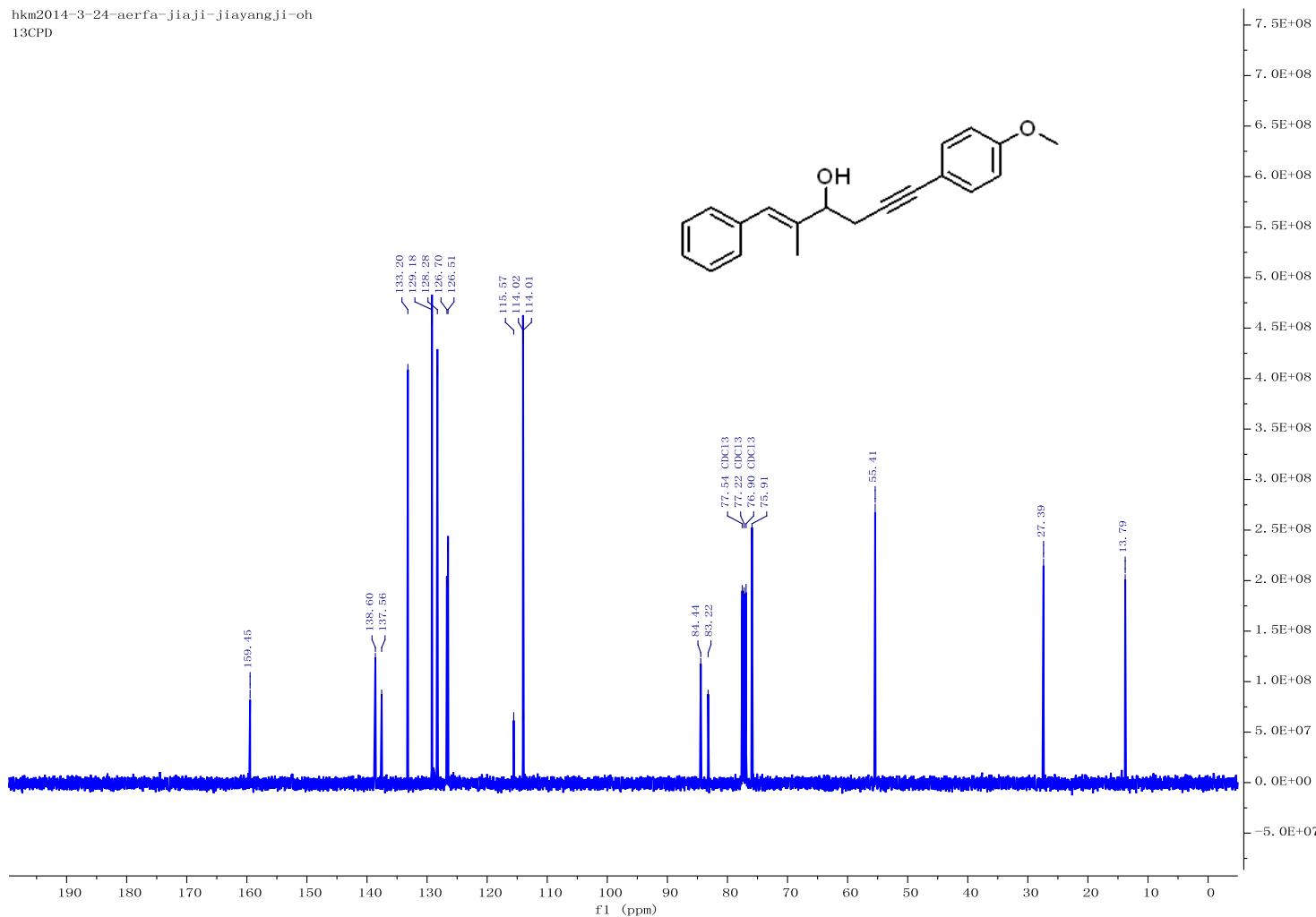
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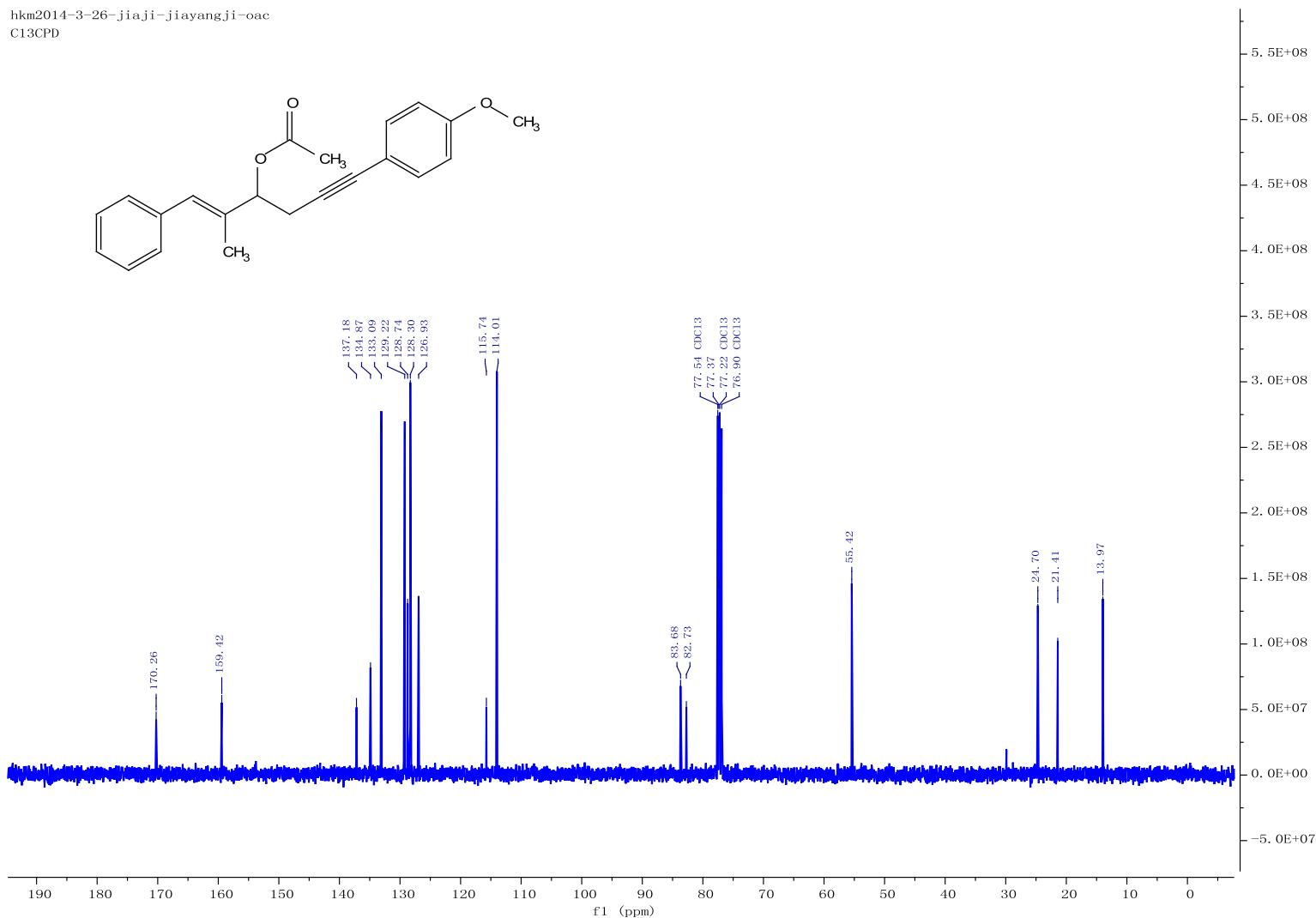
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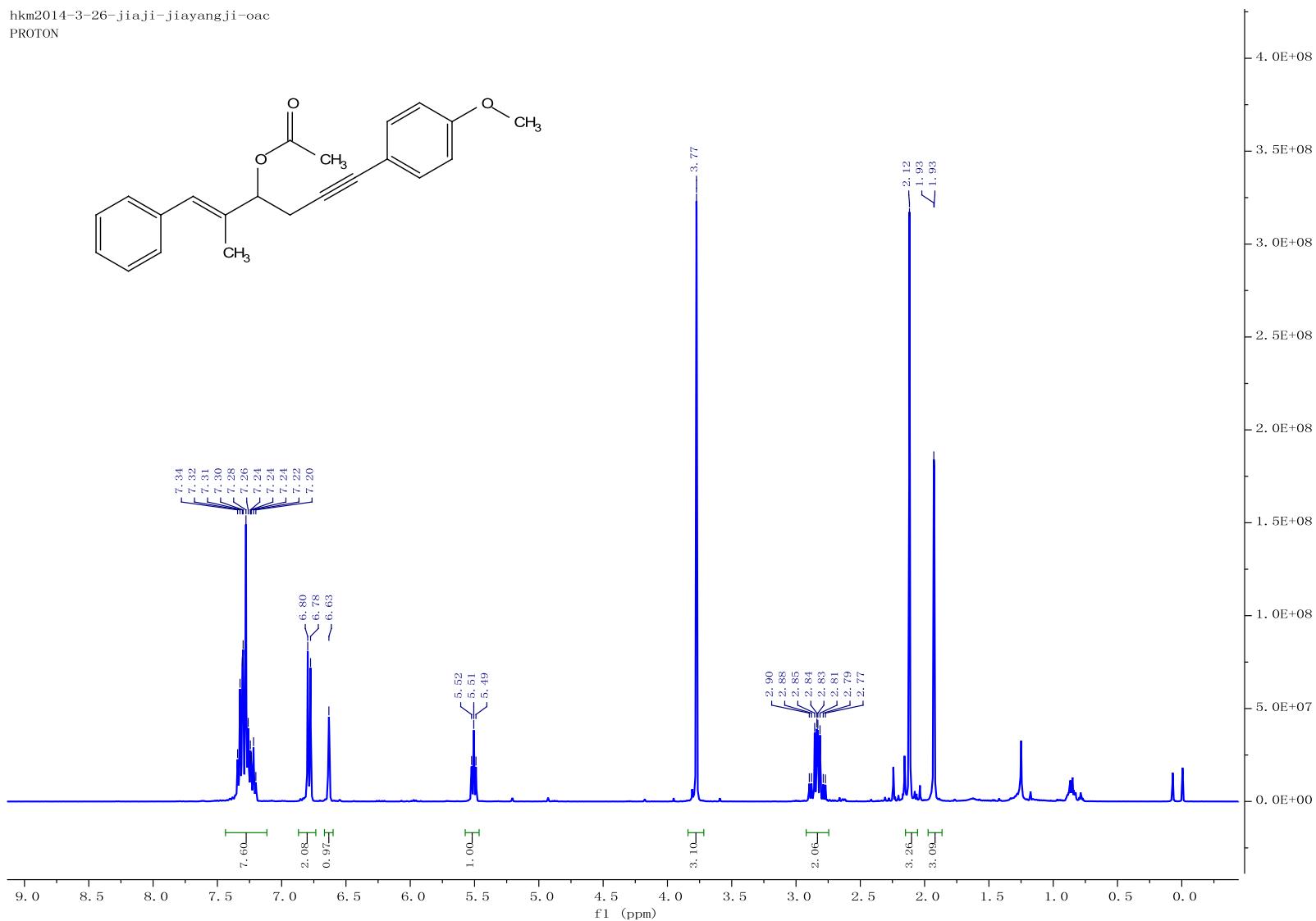
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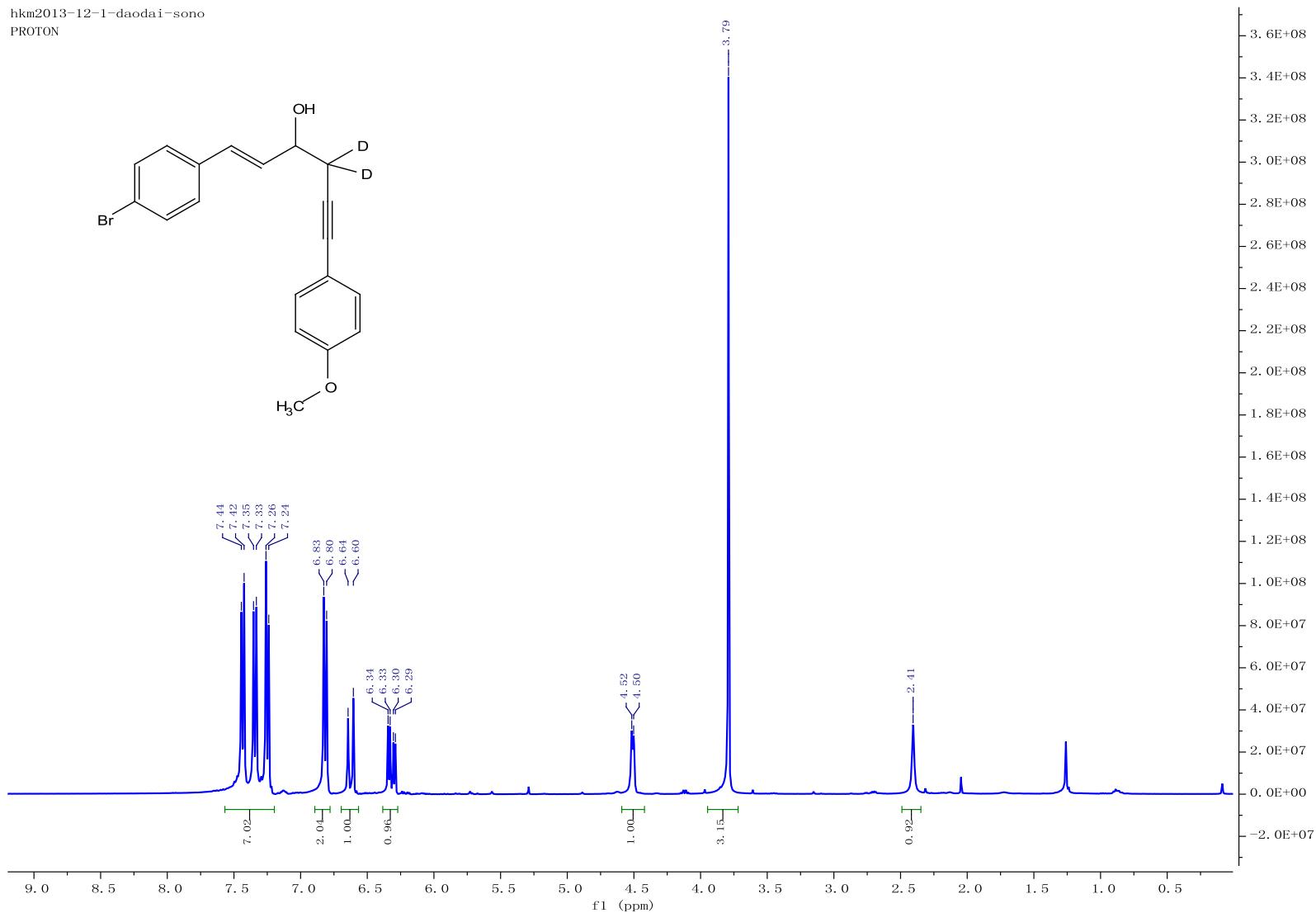
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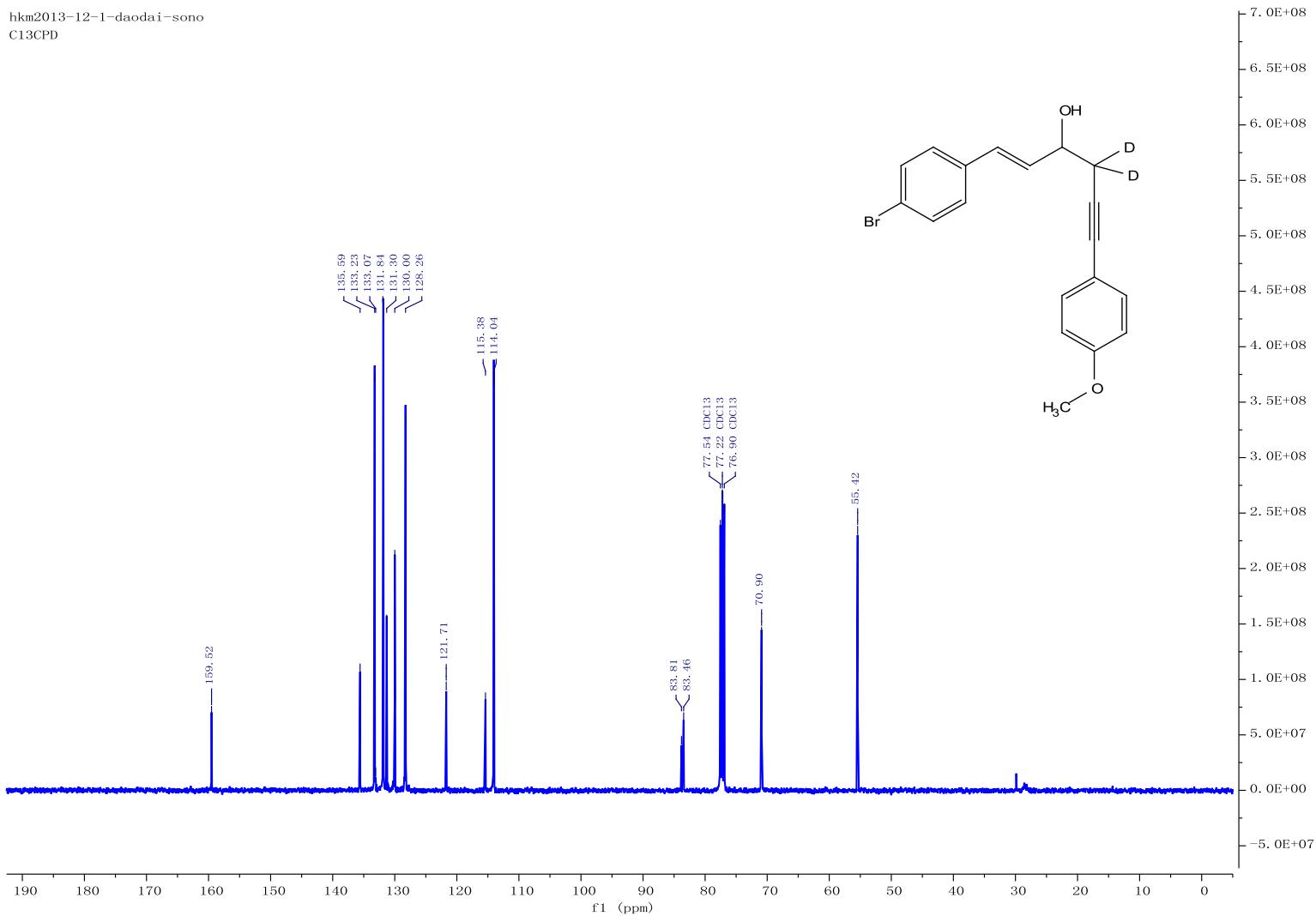
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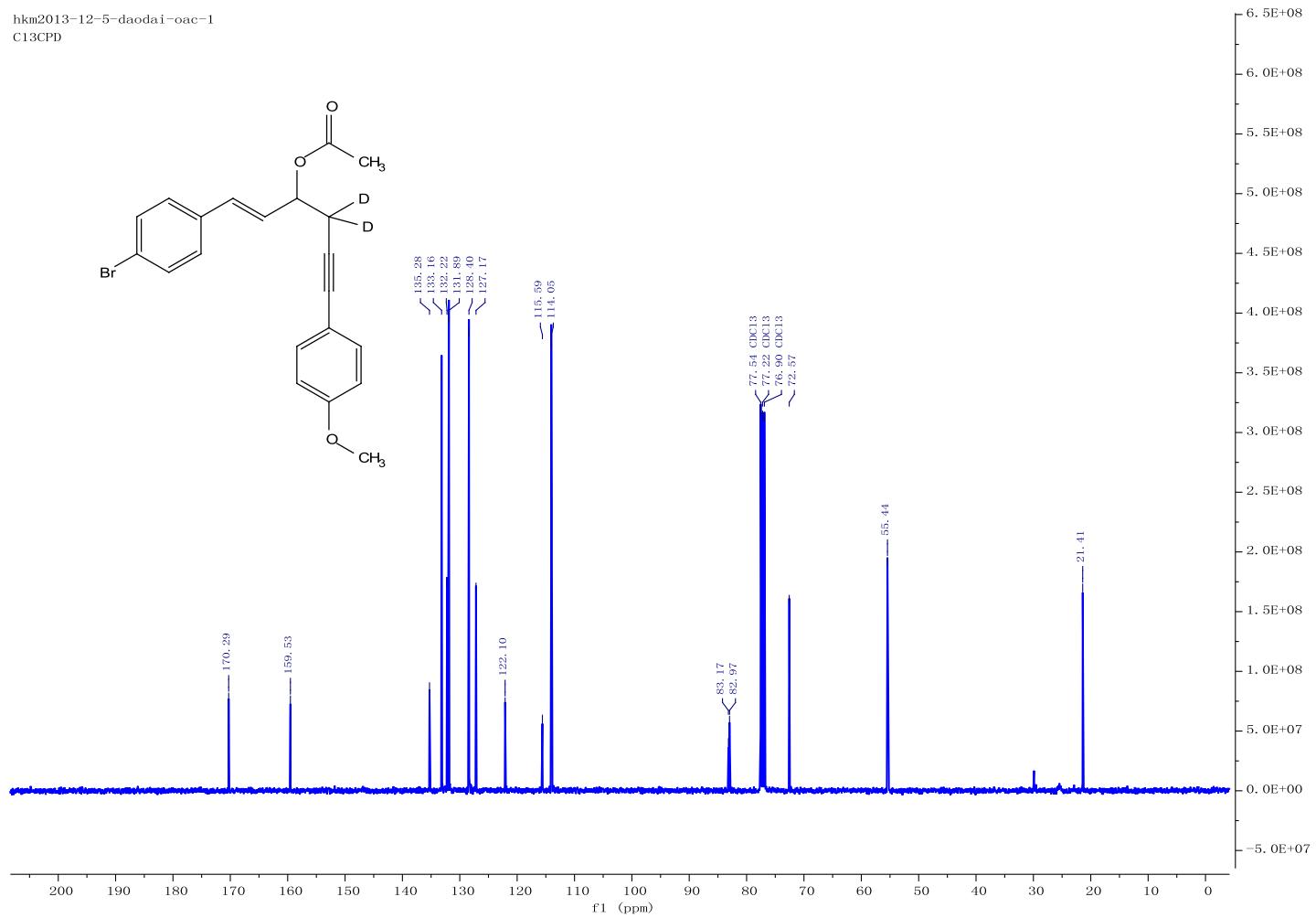
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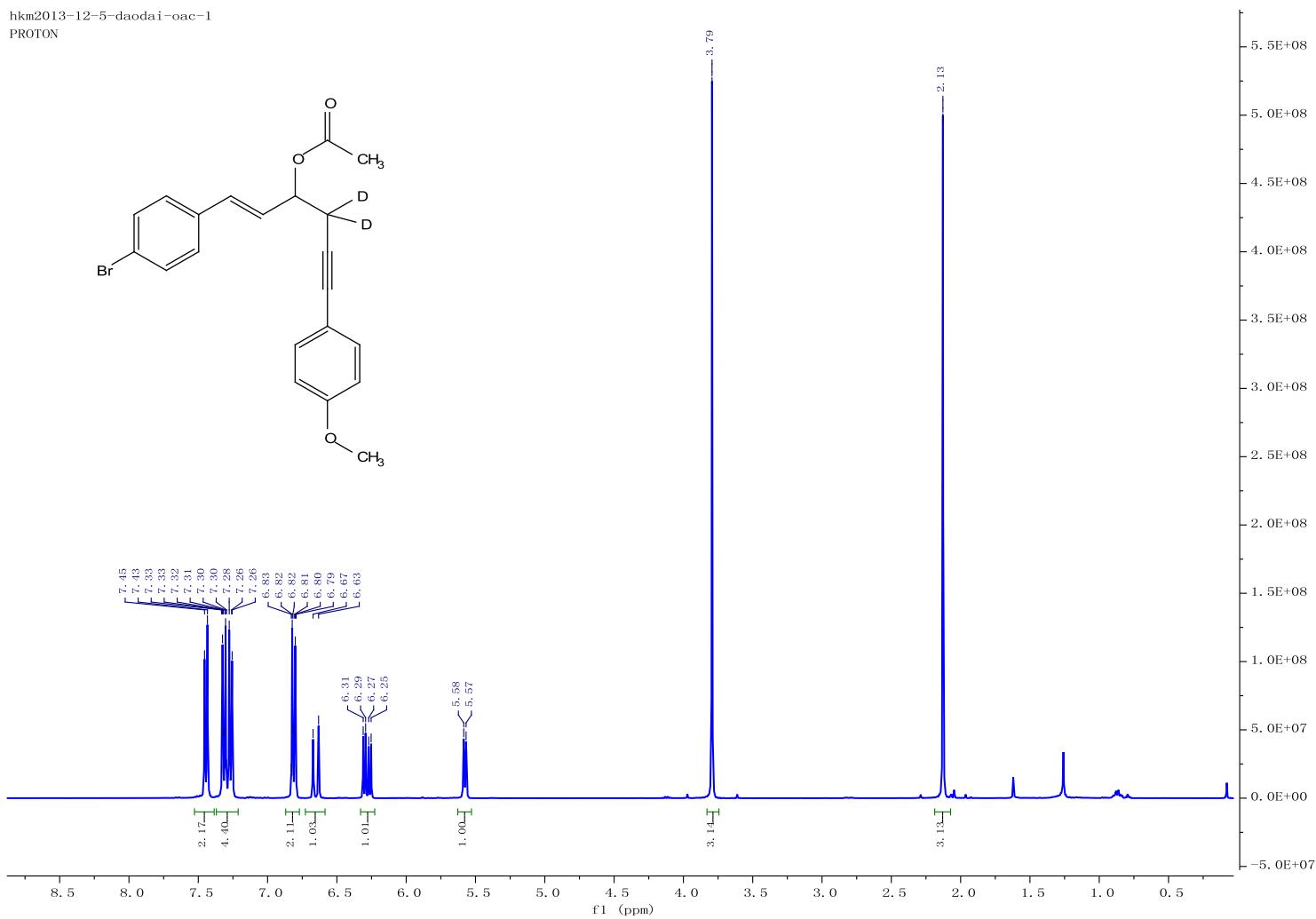
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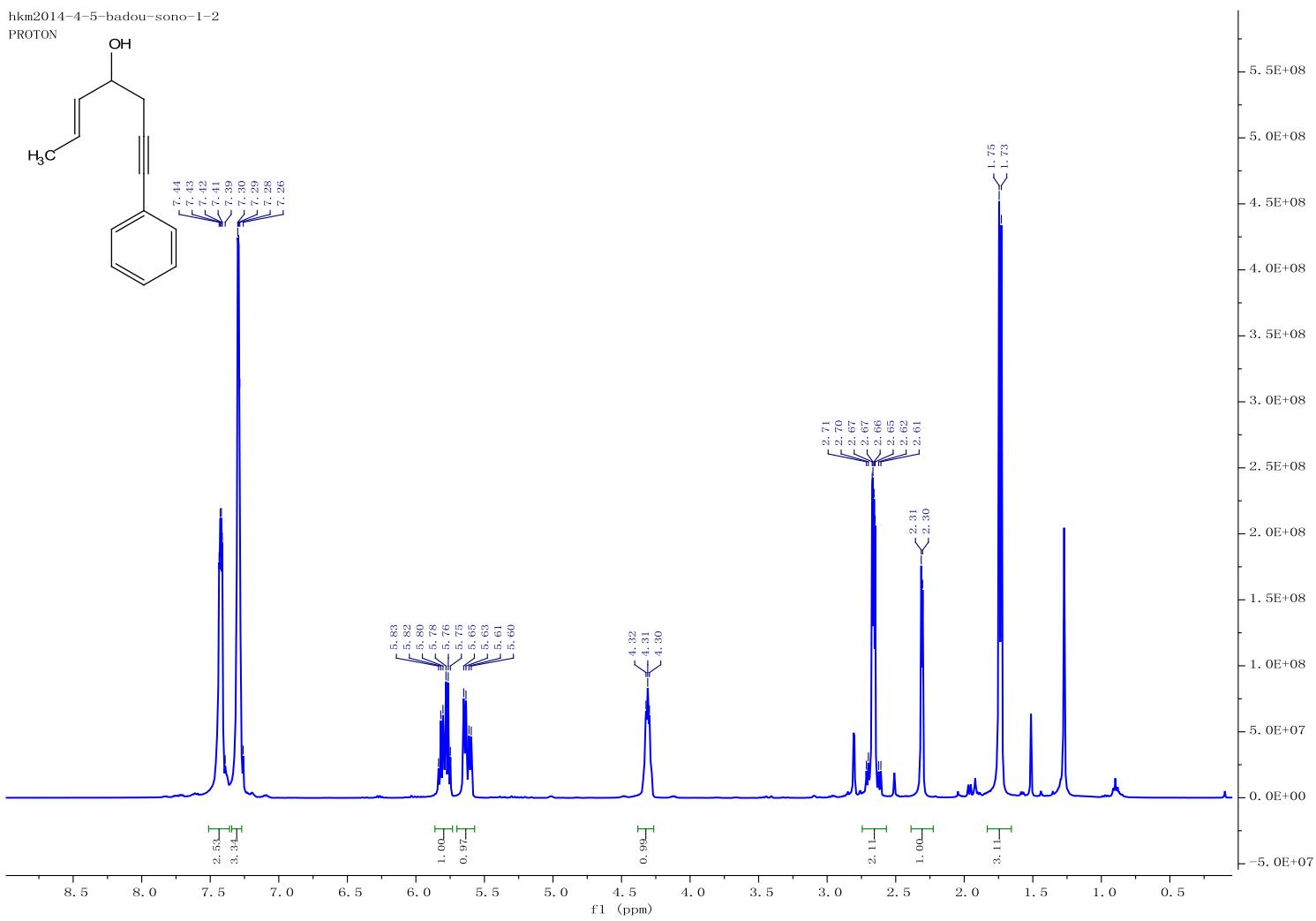


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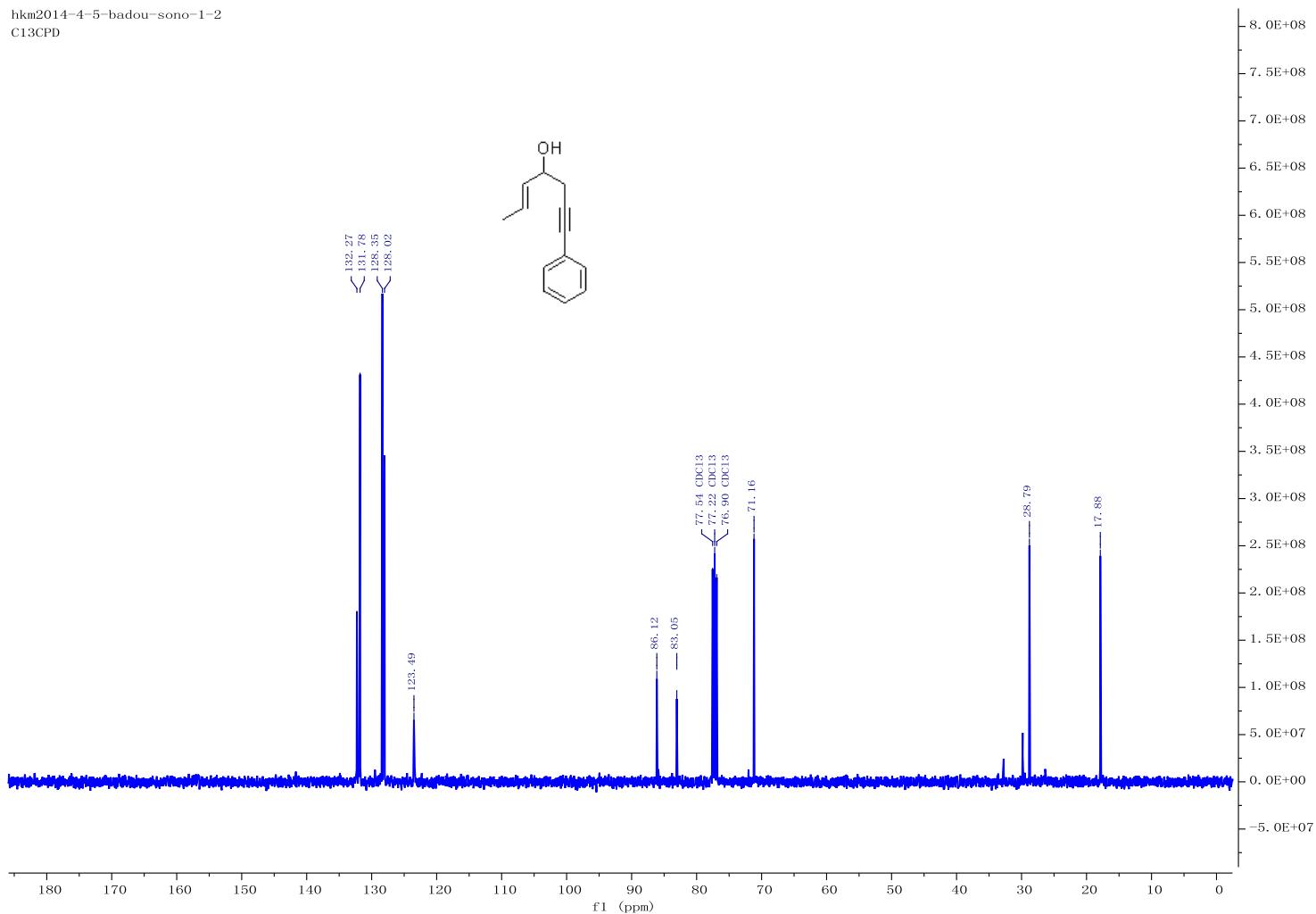


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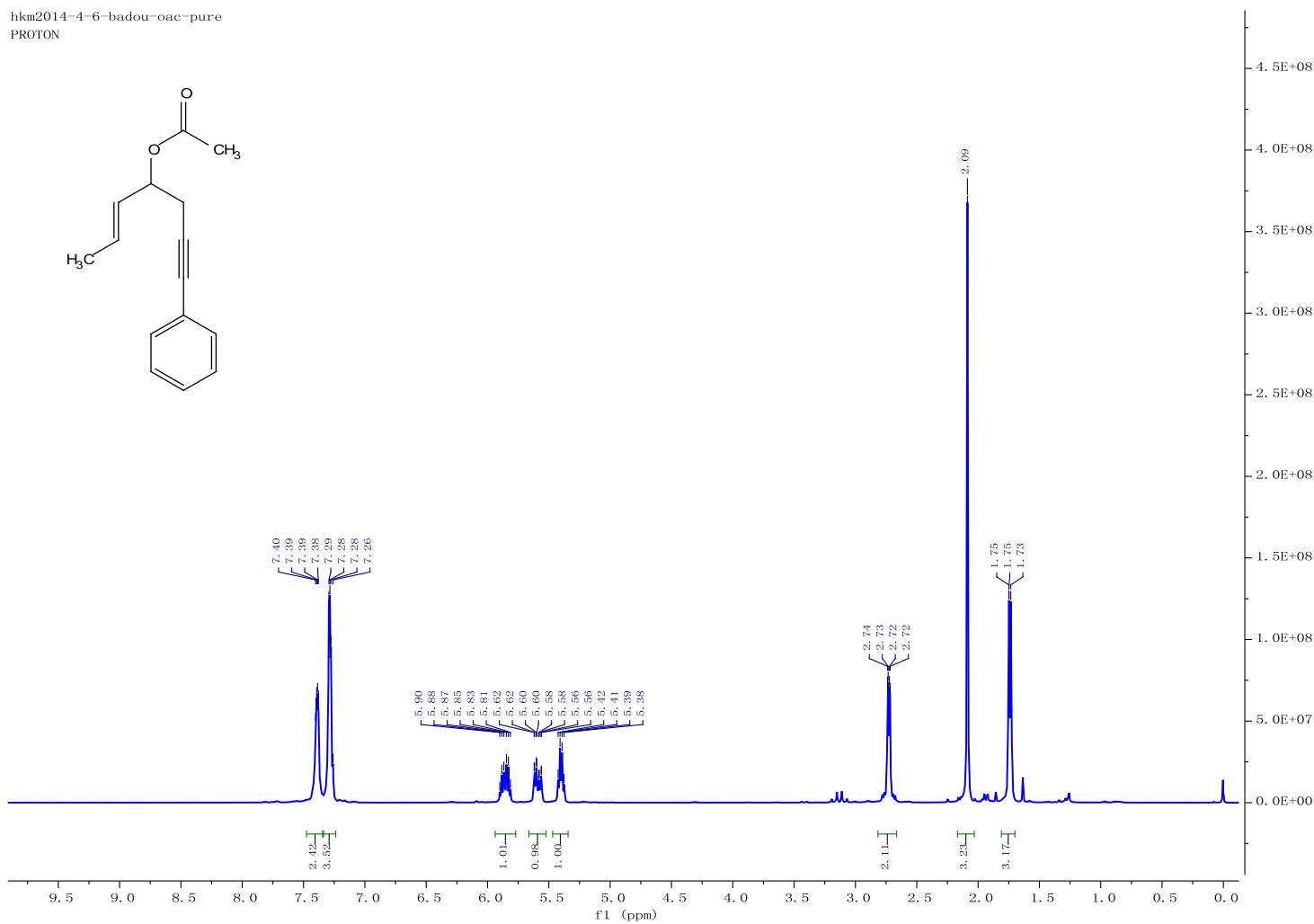




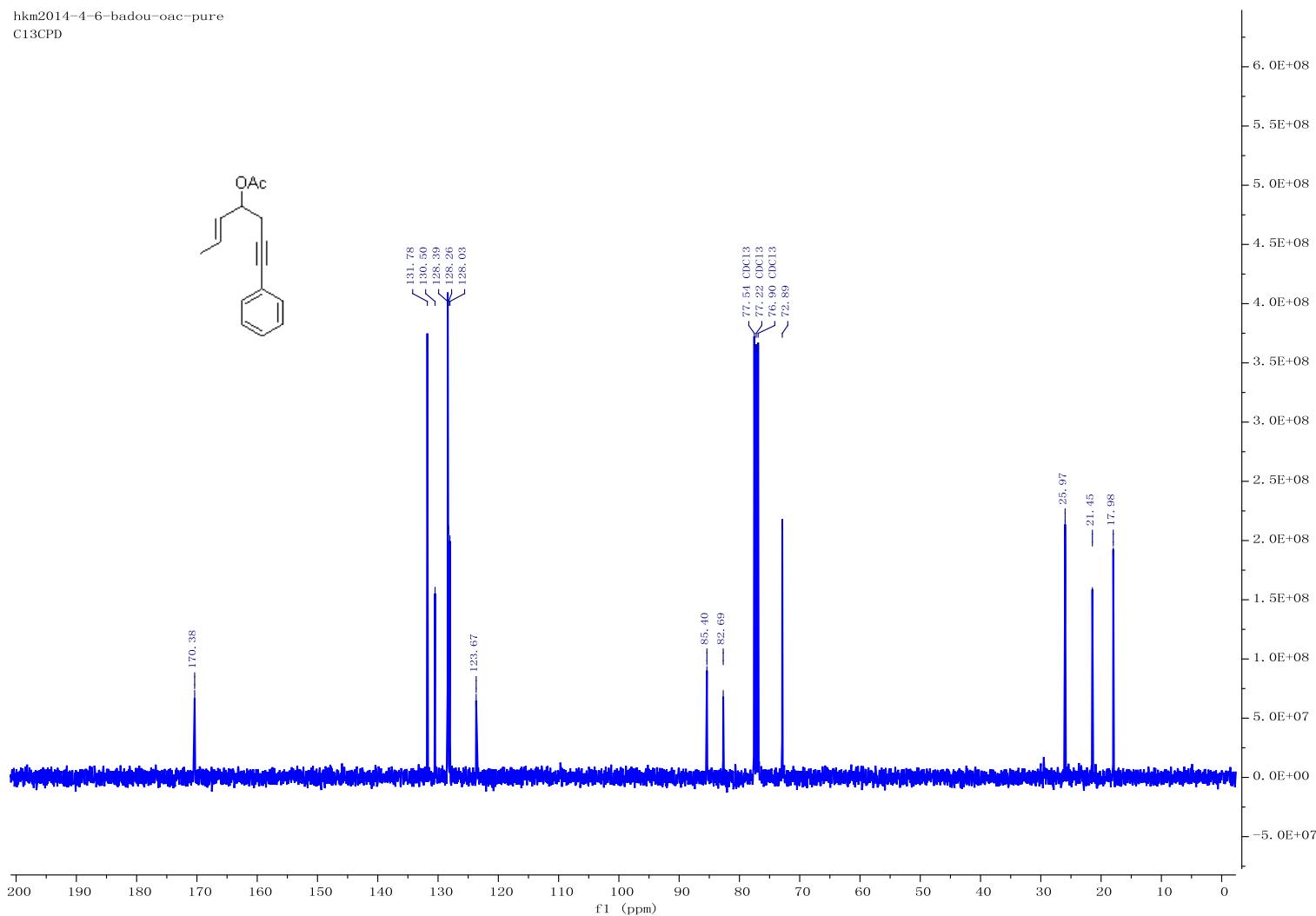
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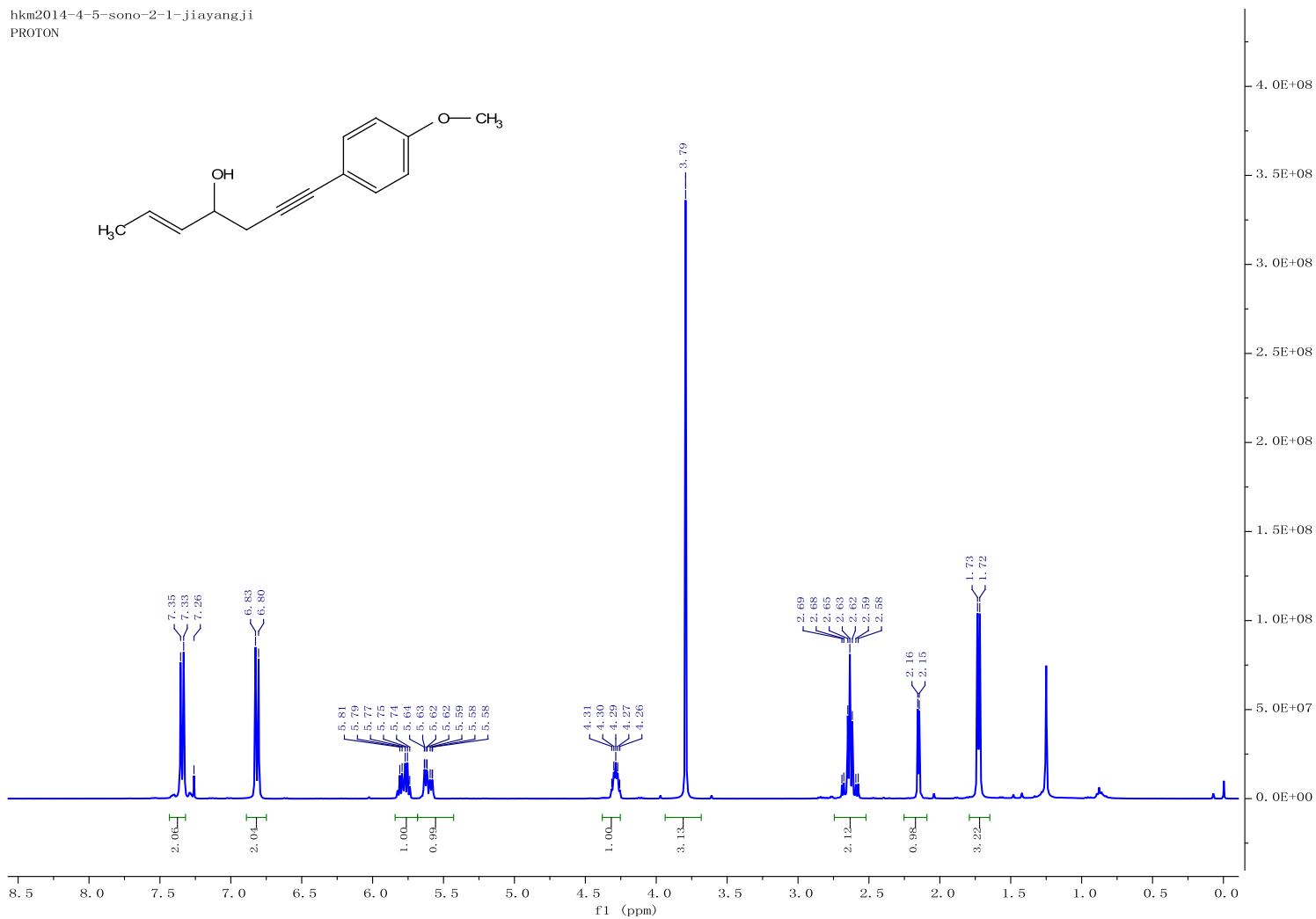
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PROTON



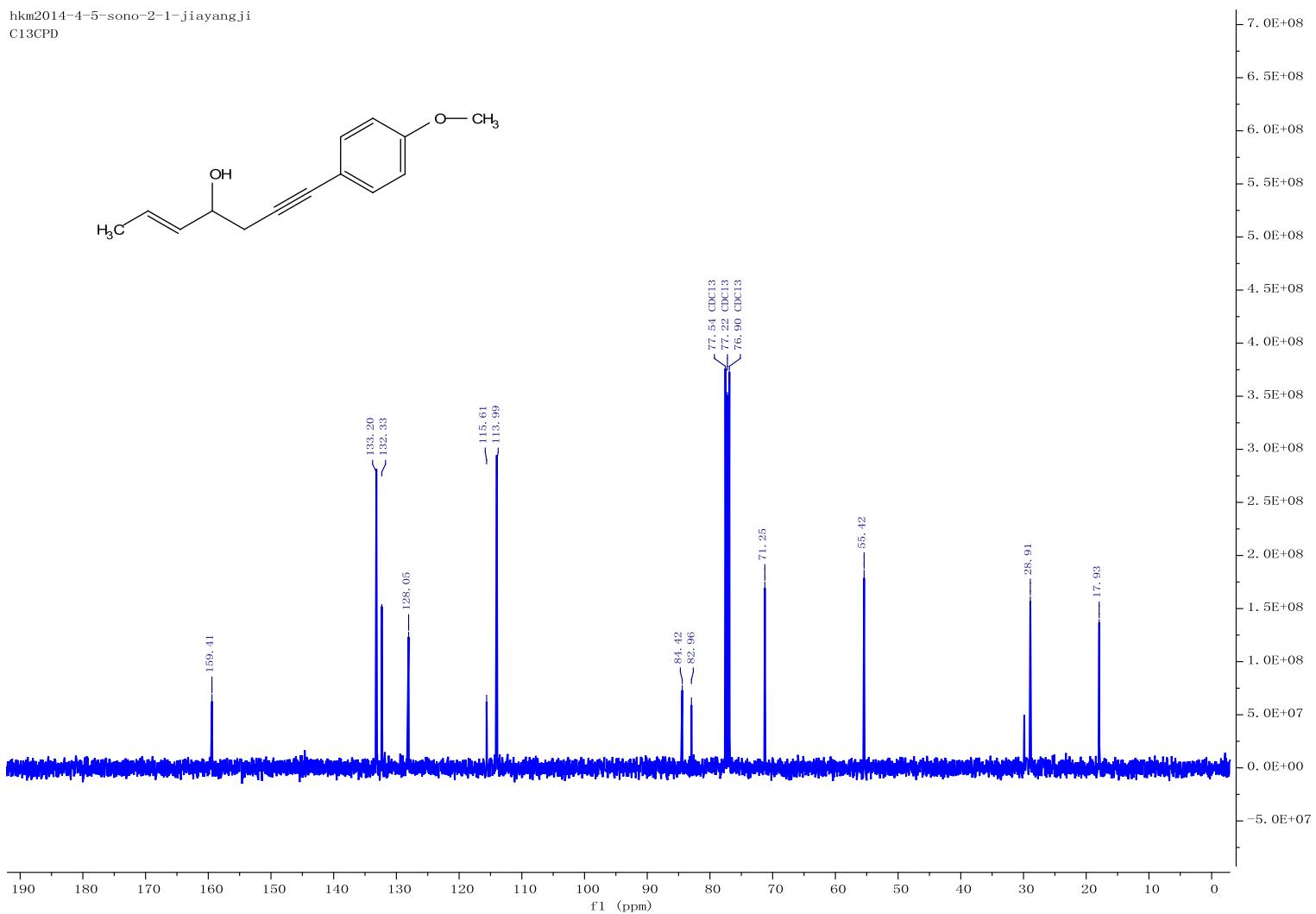
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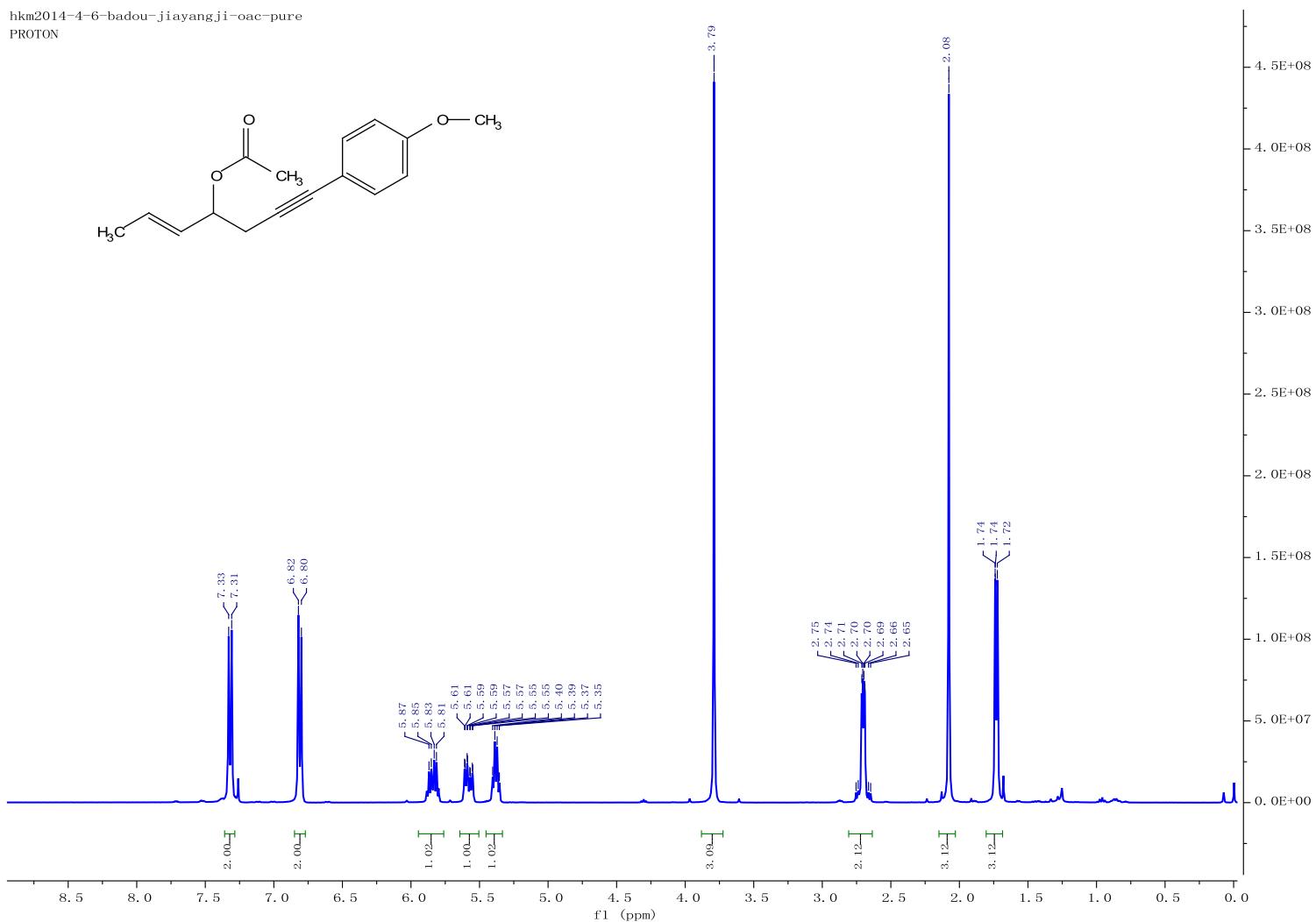
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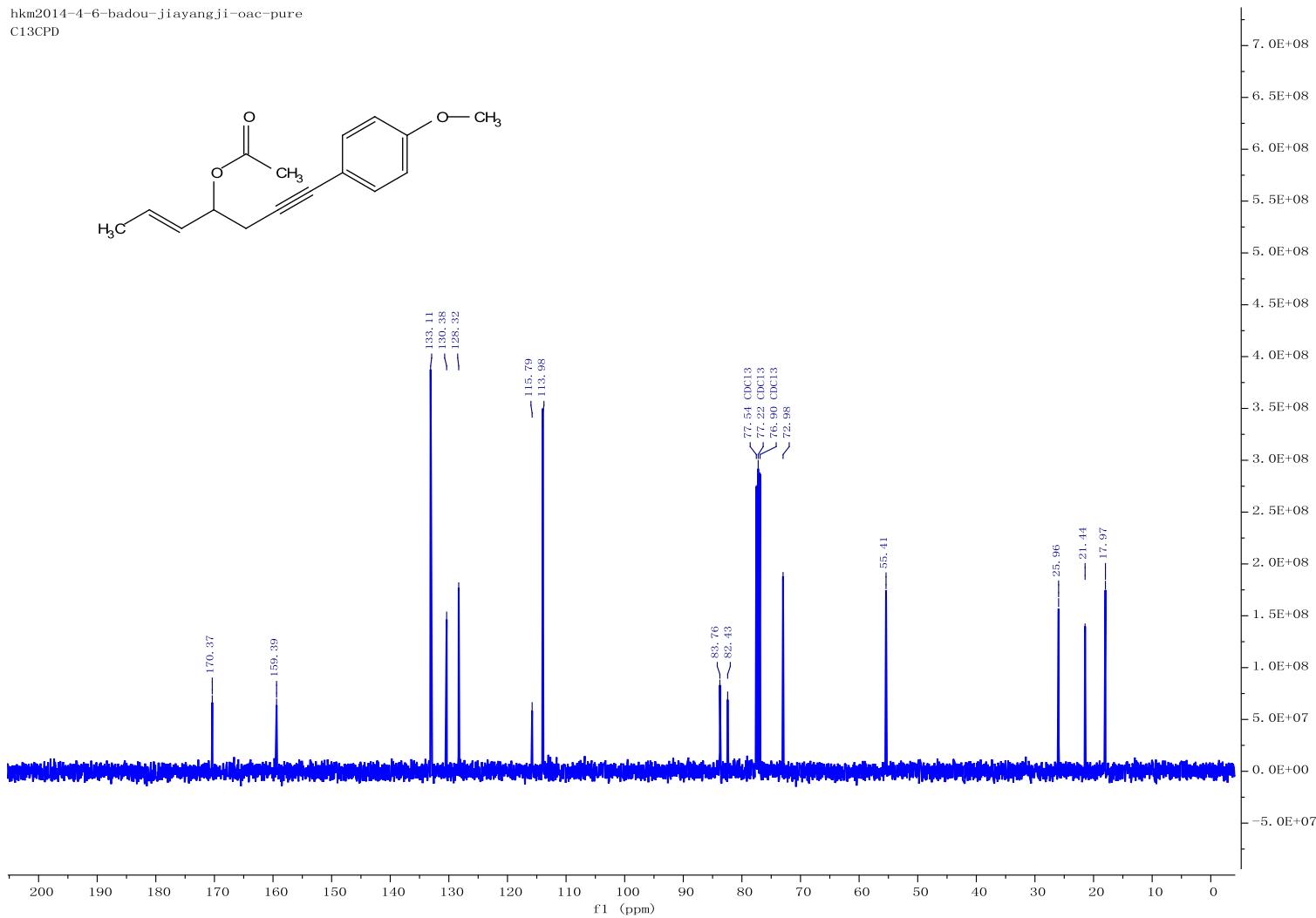
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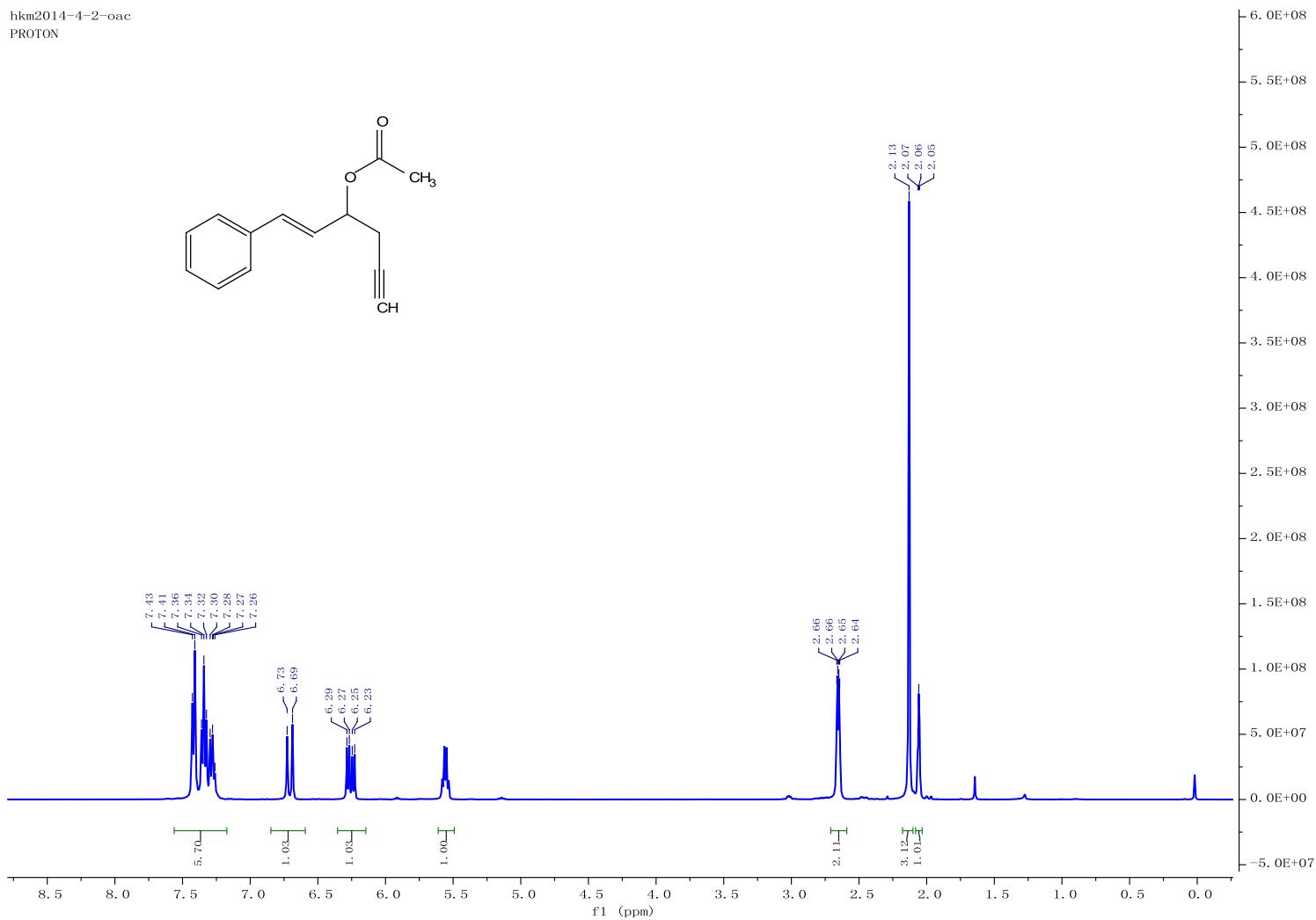
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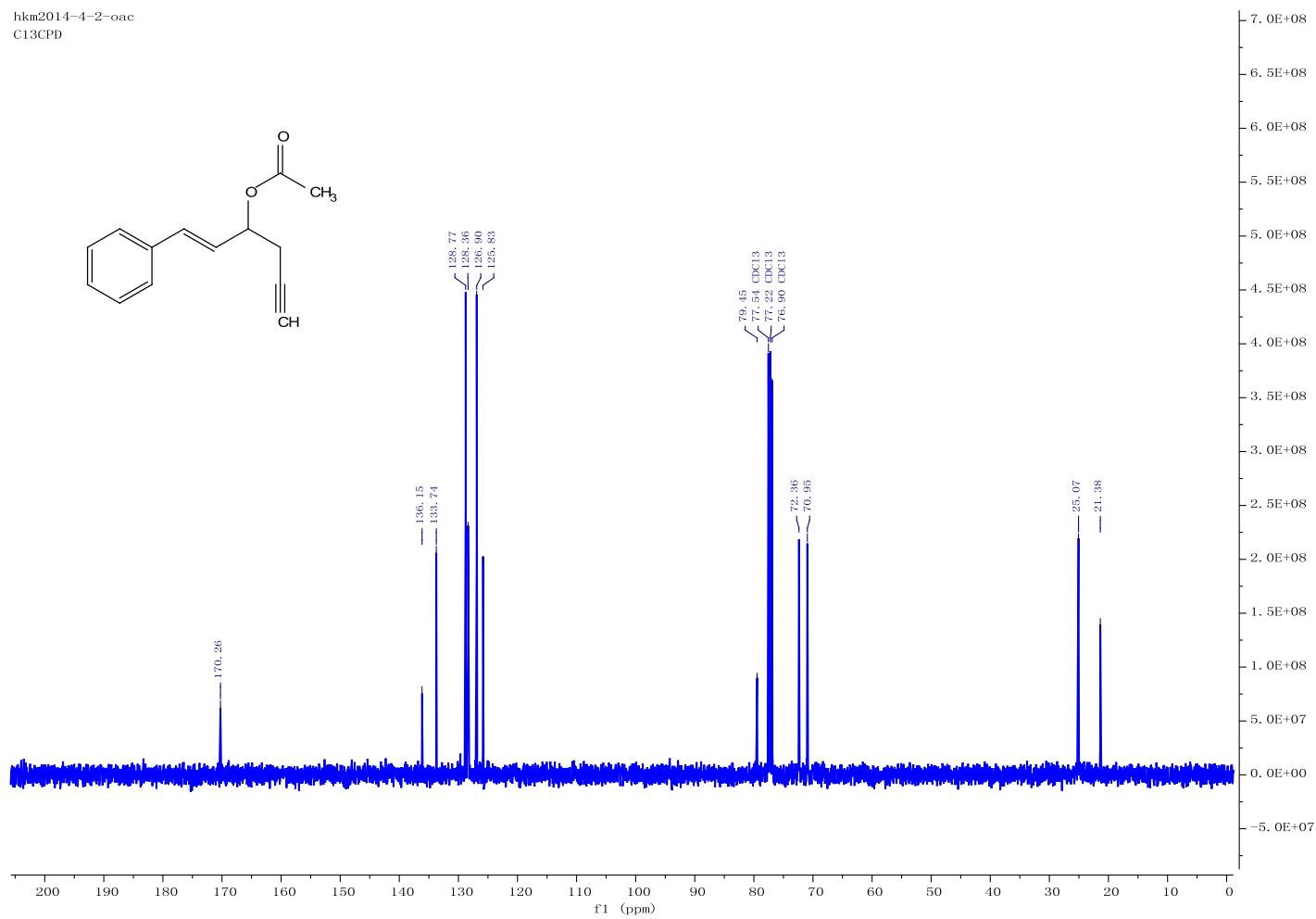
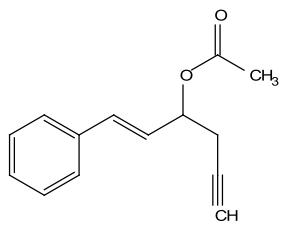
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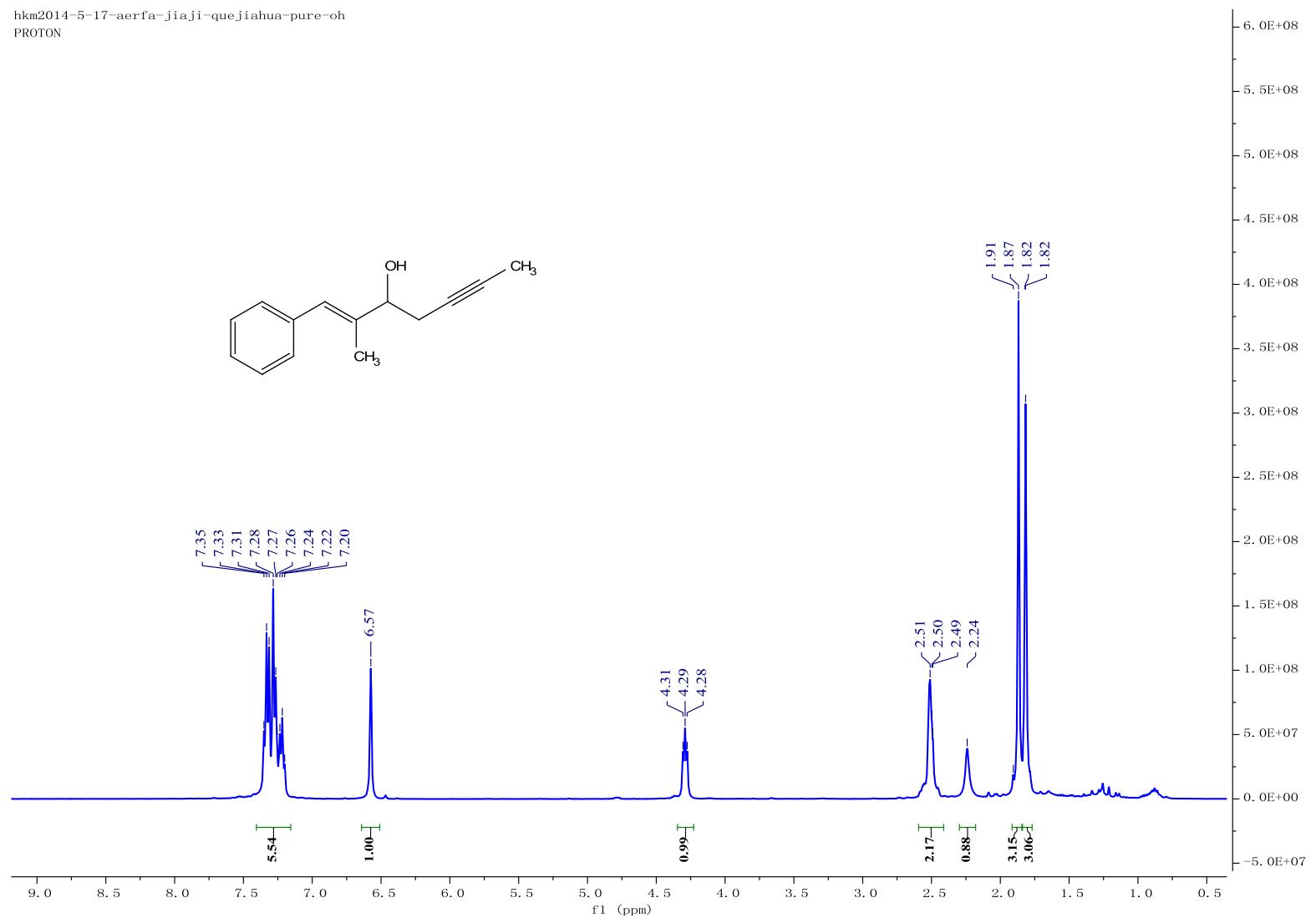
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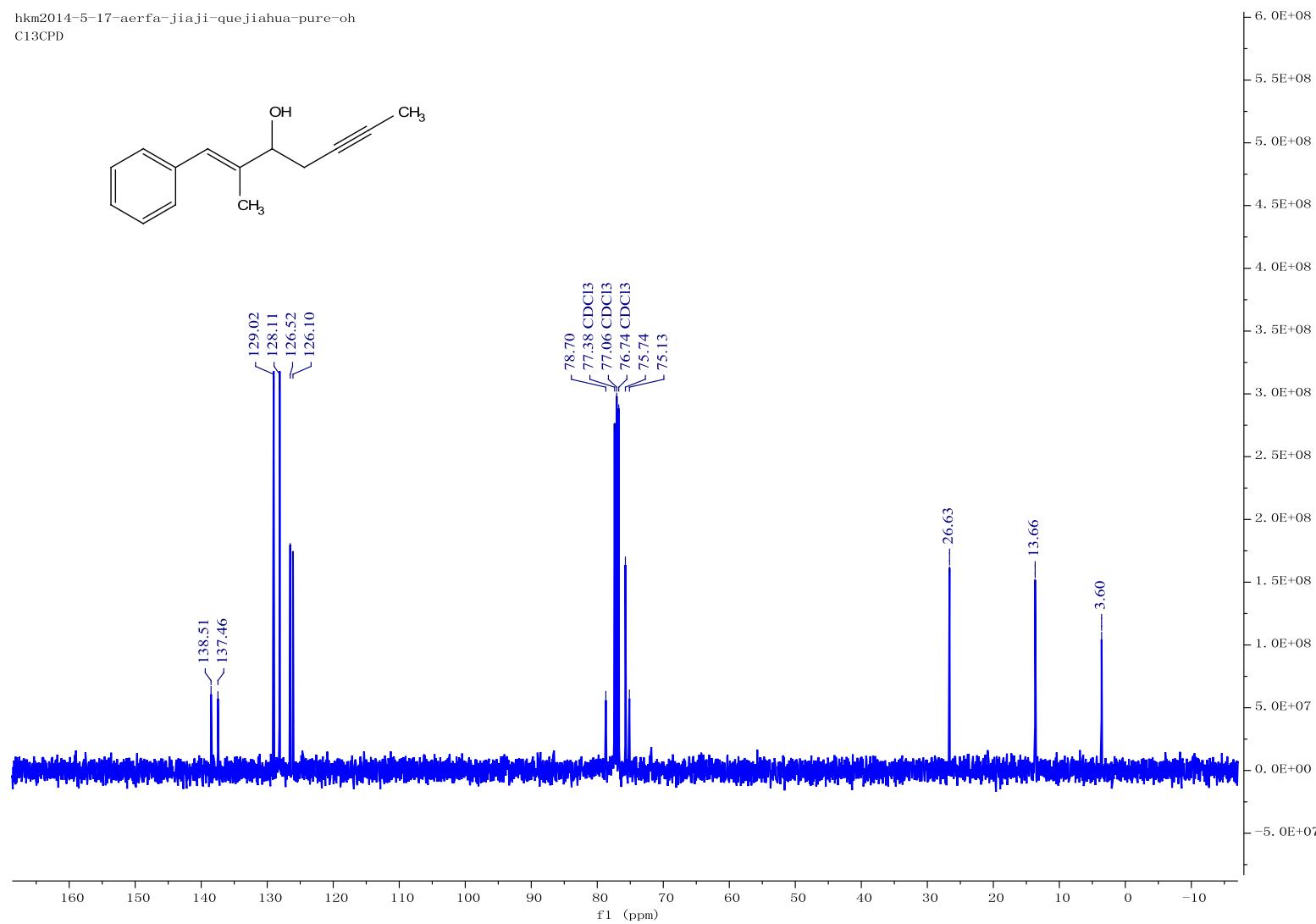
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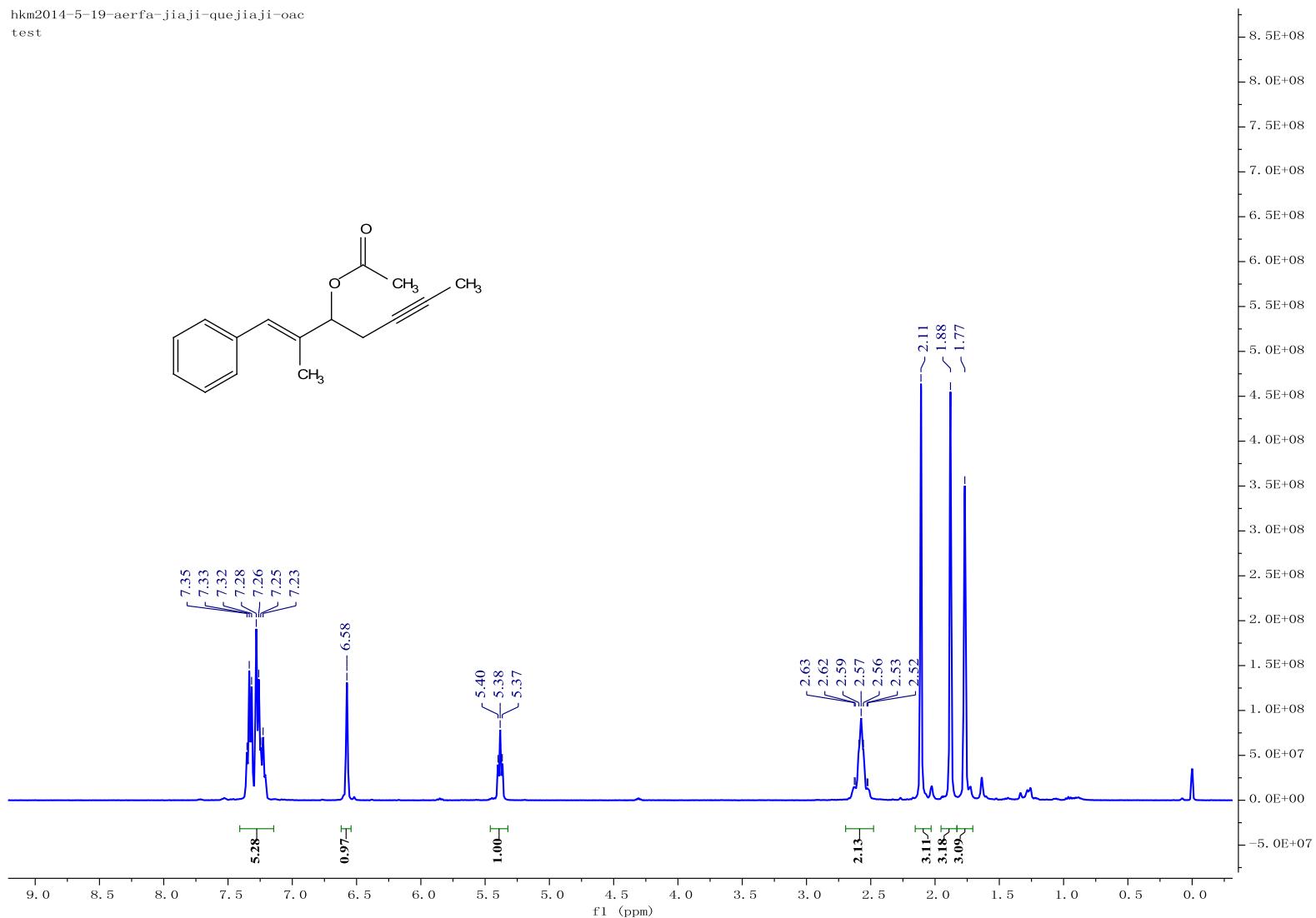
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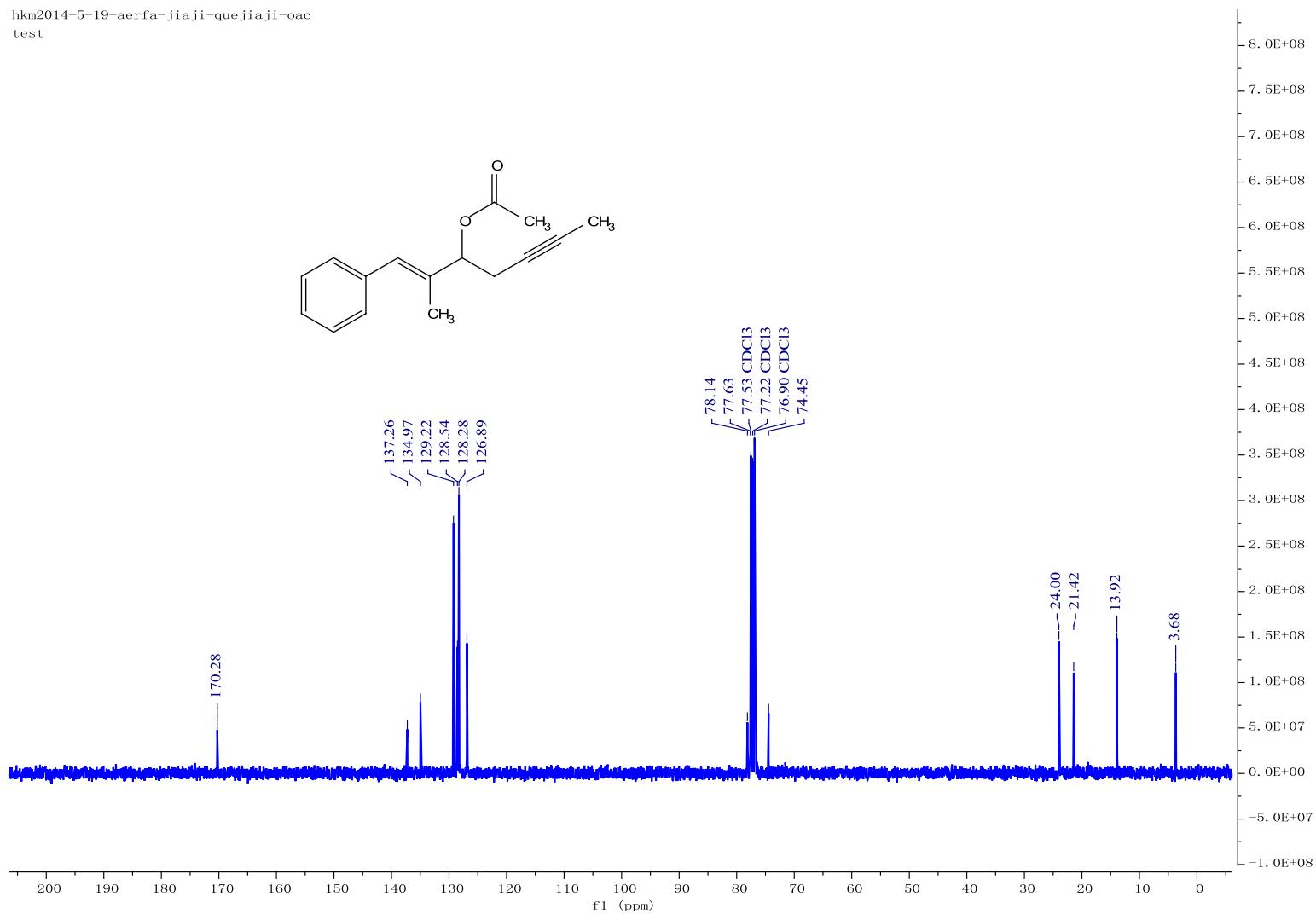
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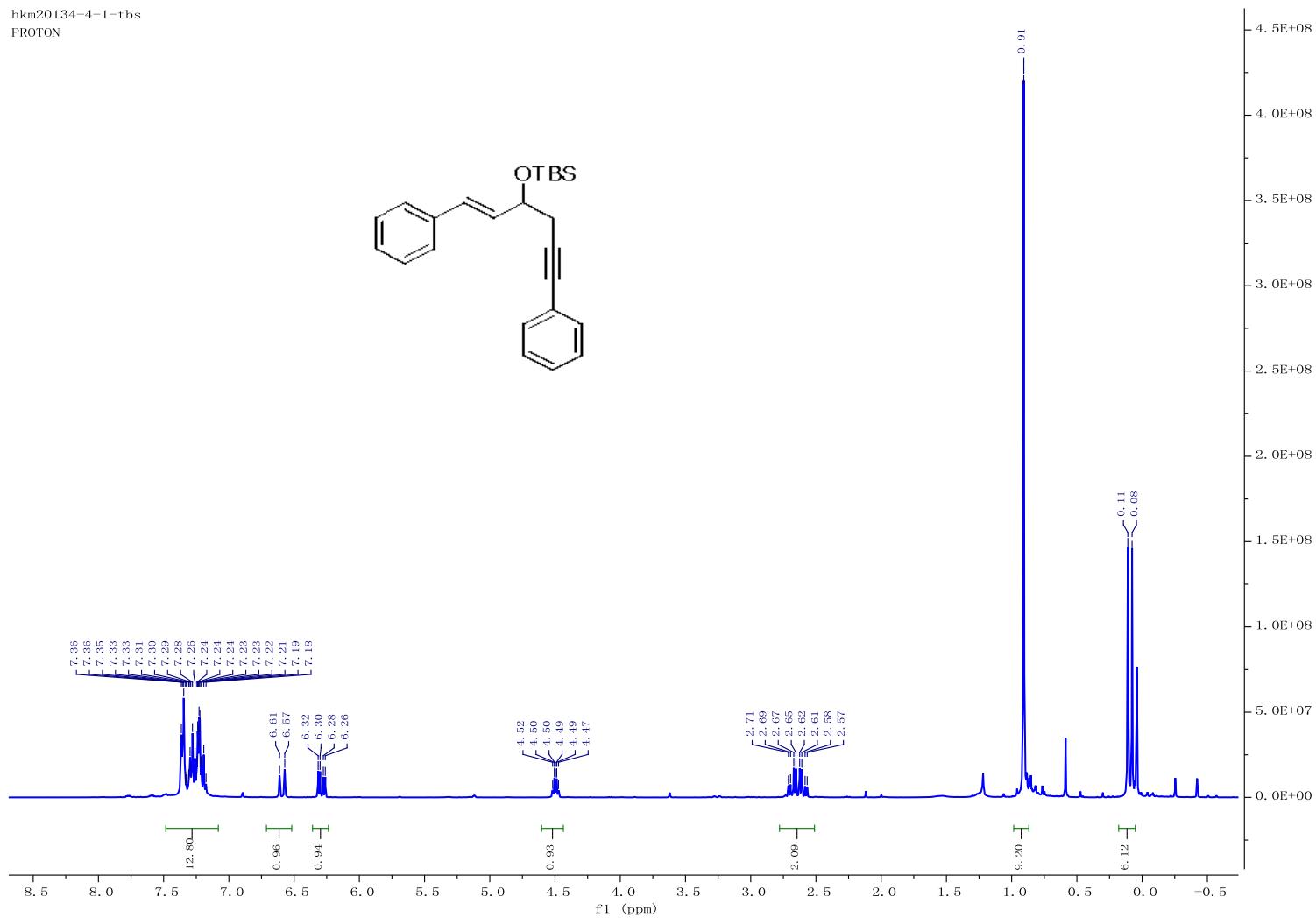
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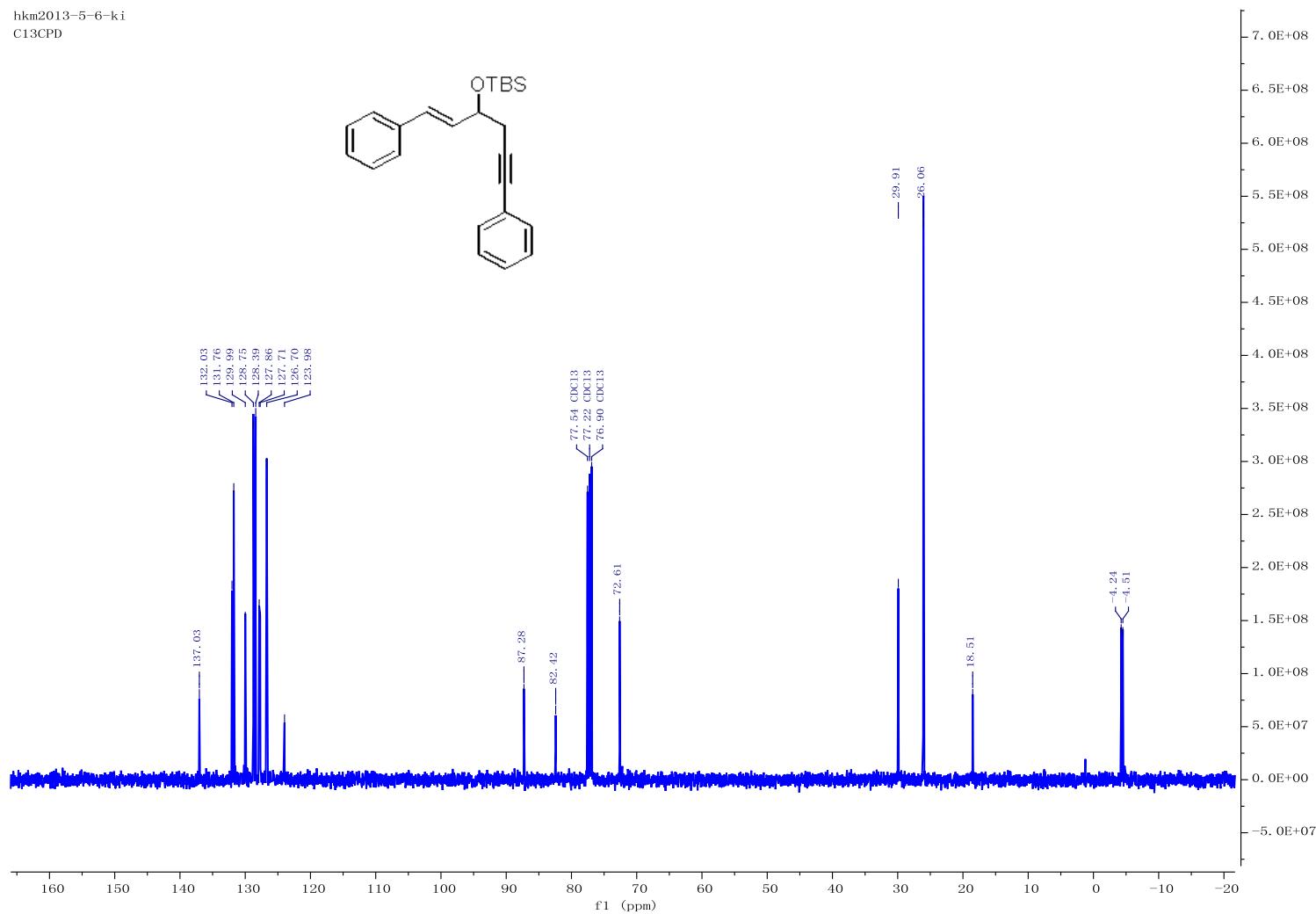
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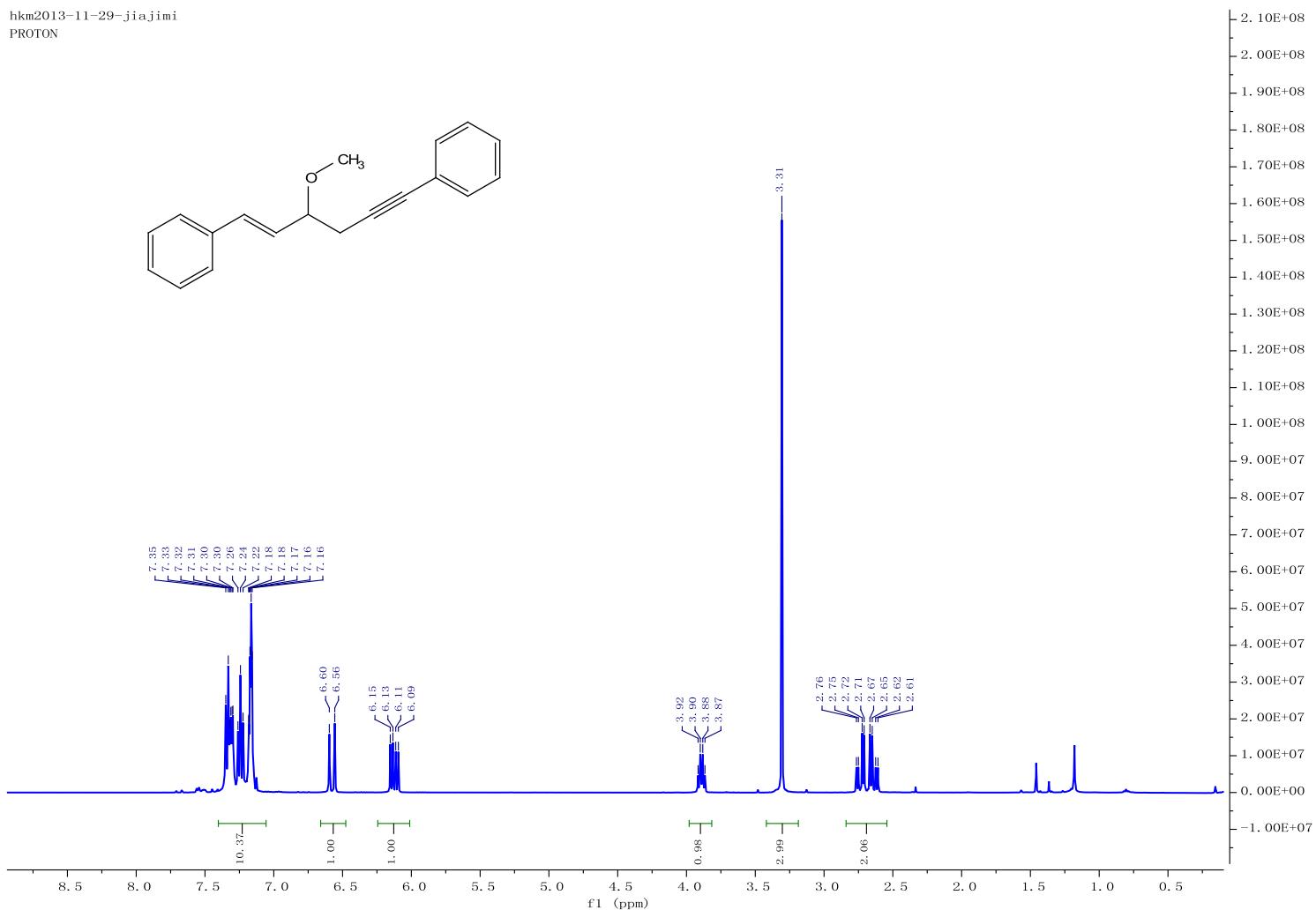
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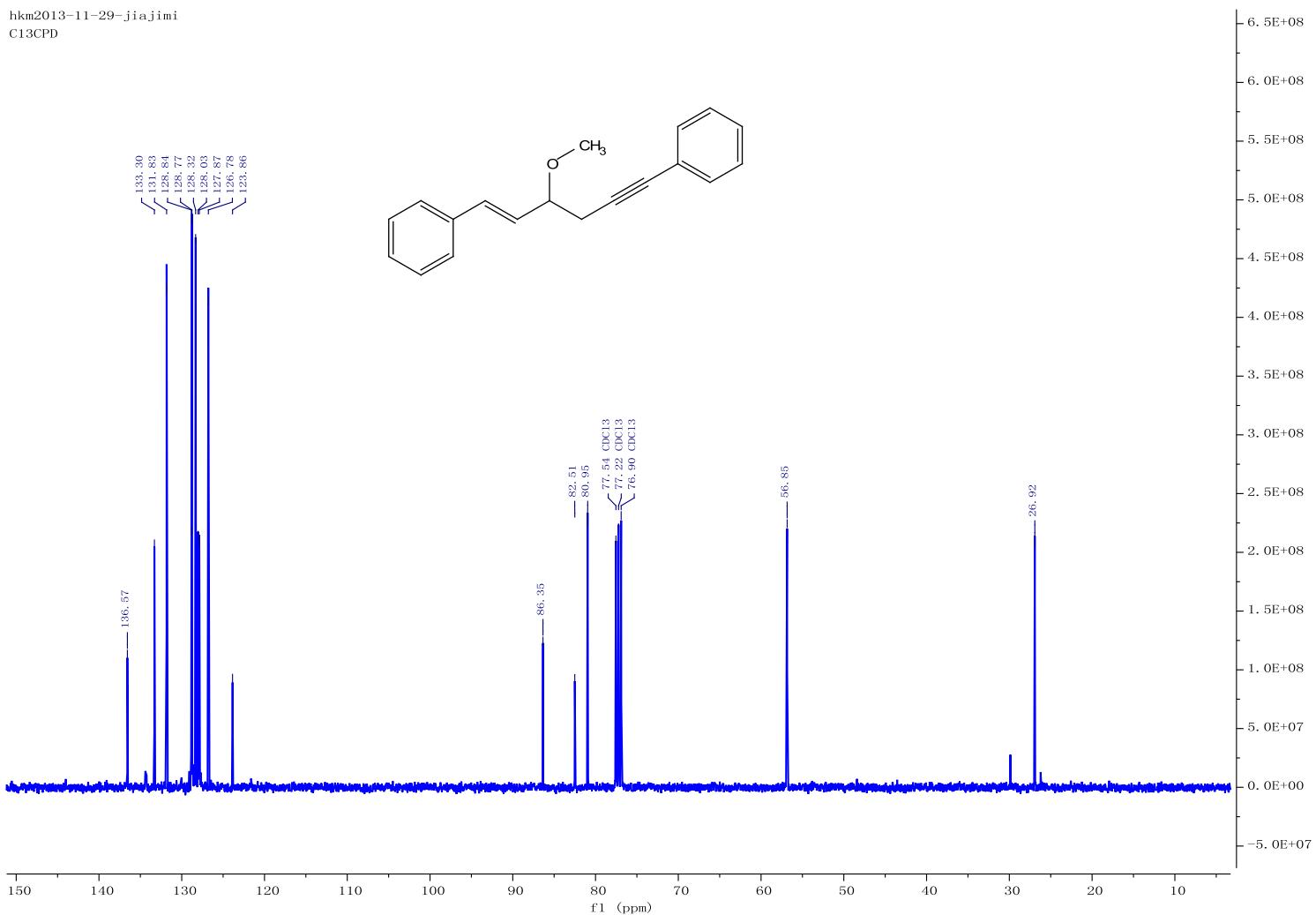
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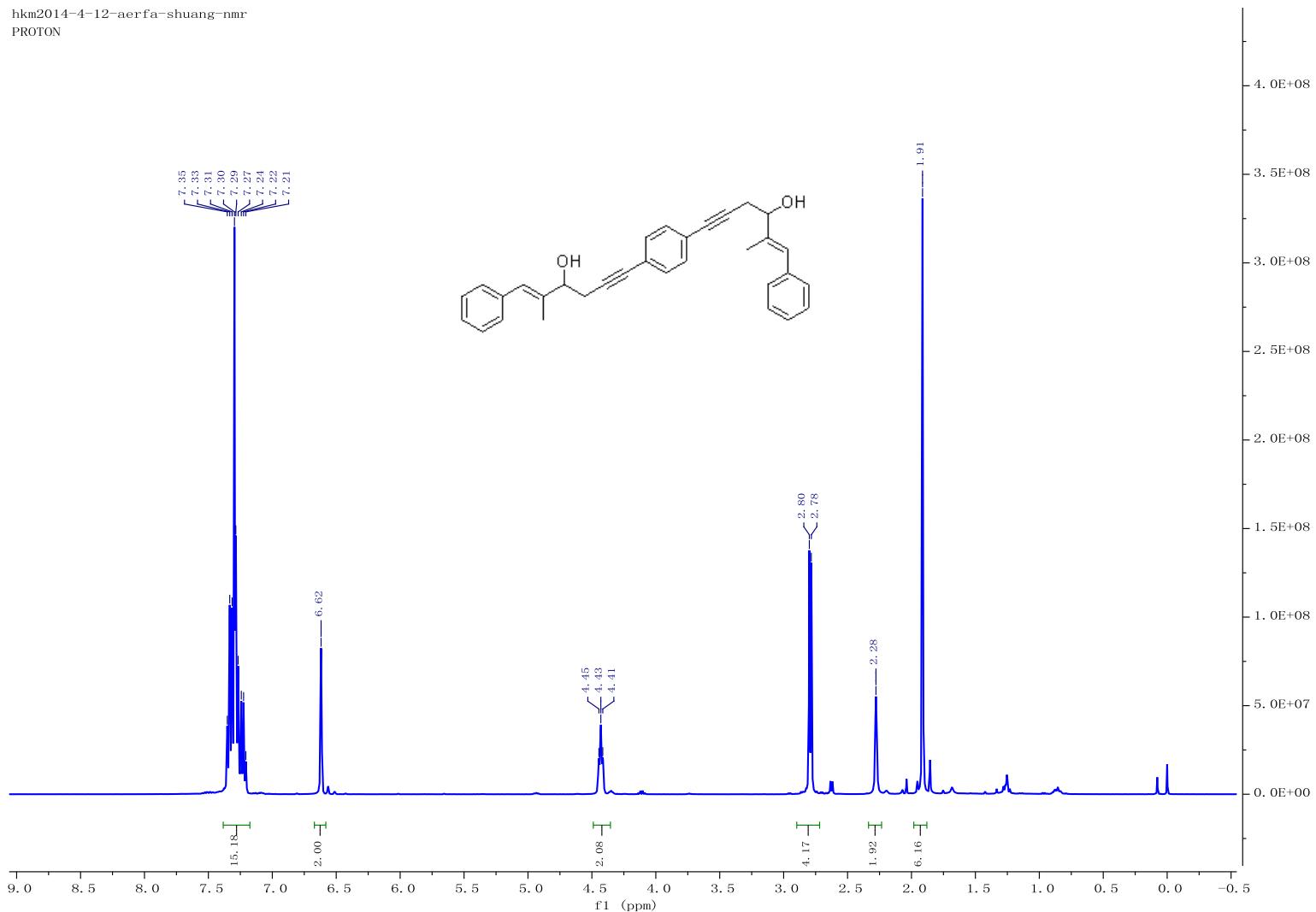
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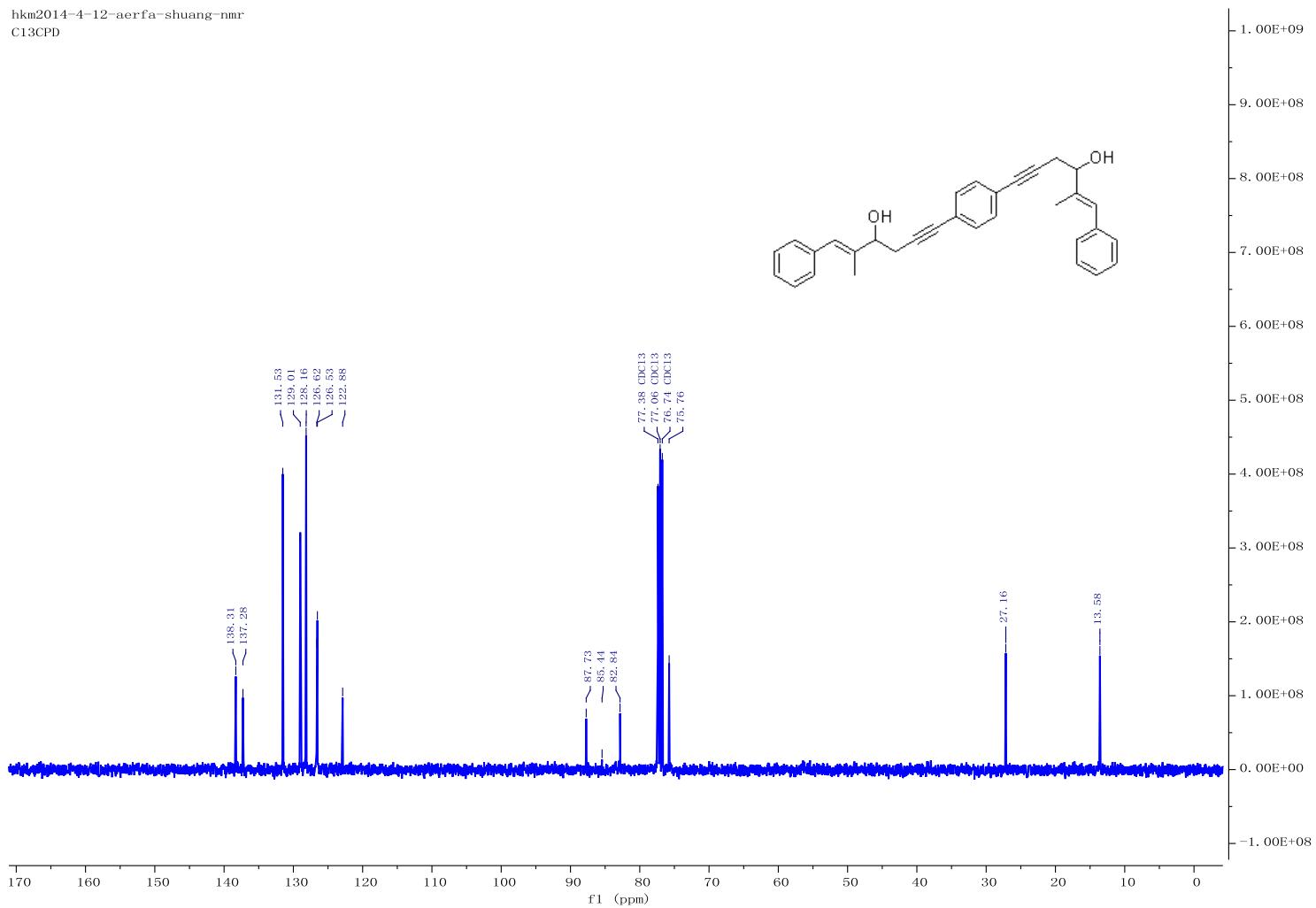
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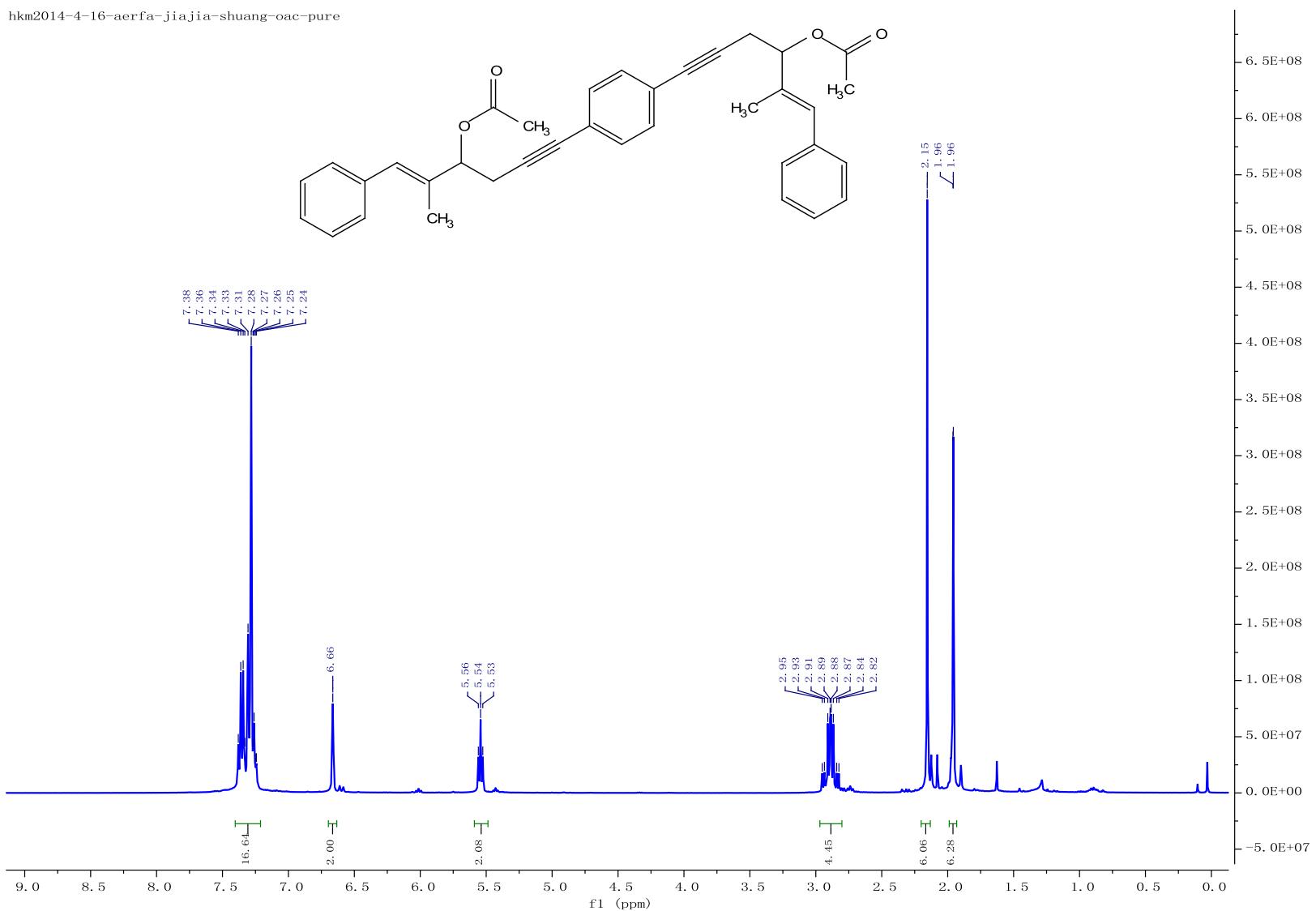
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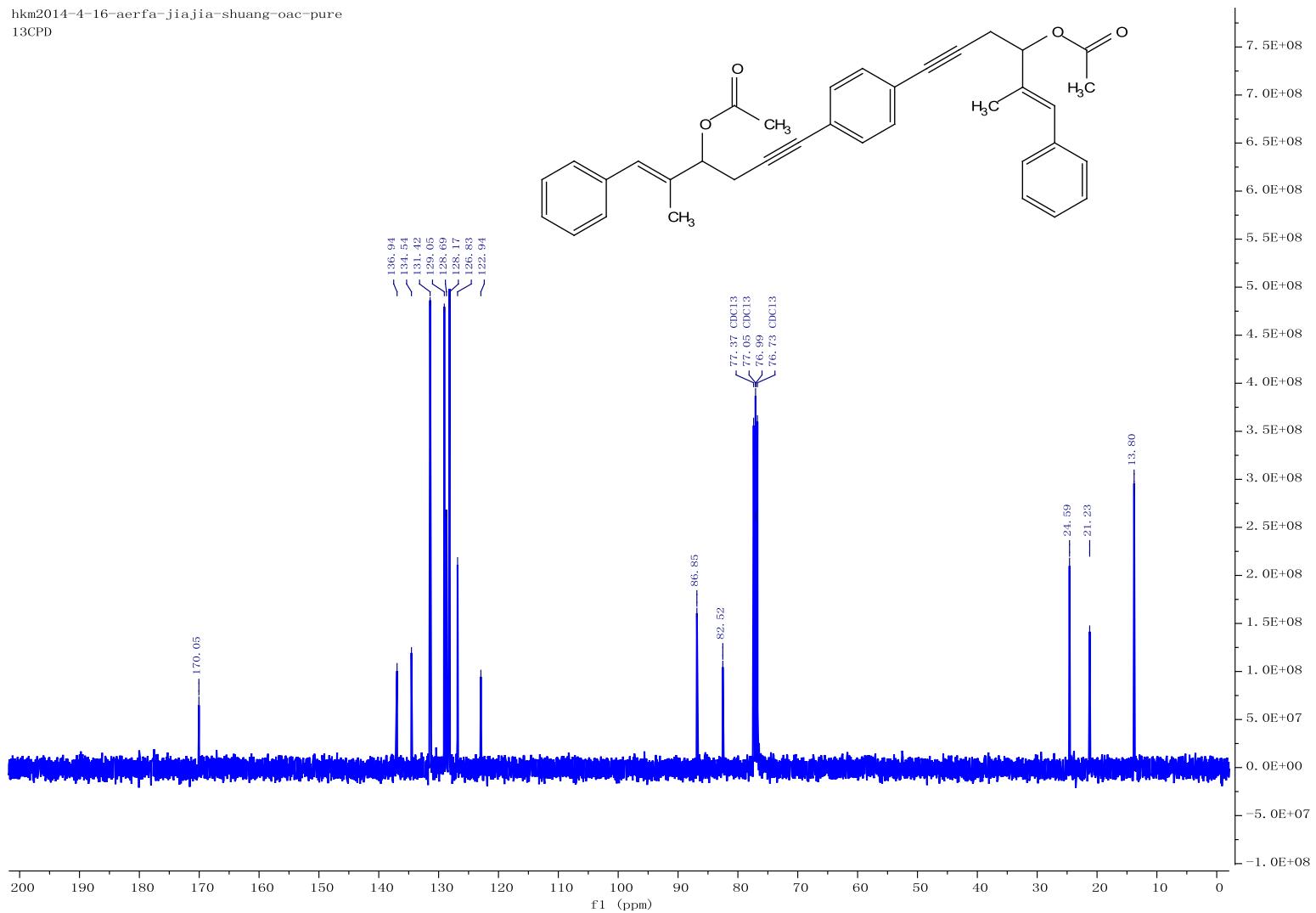
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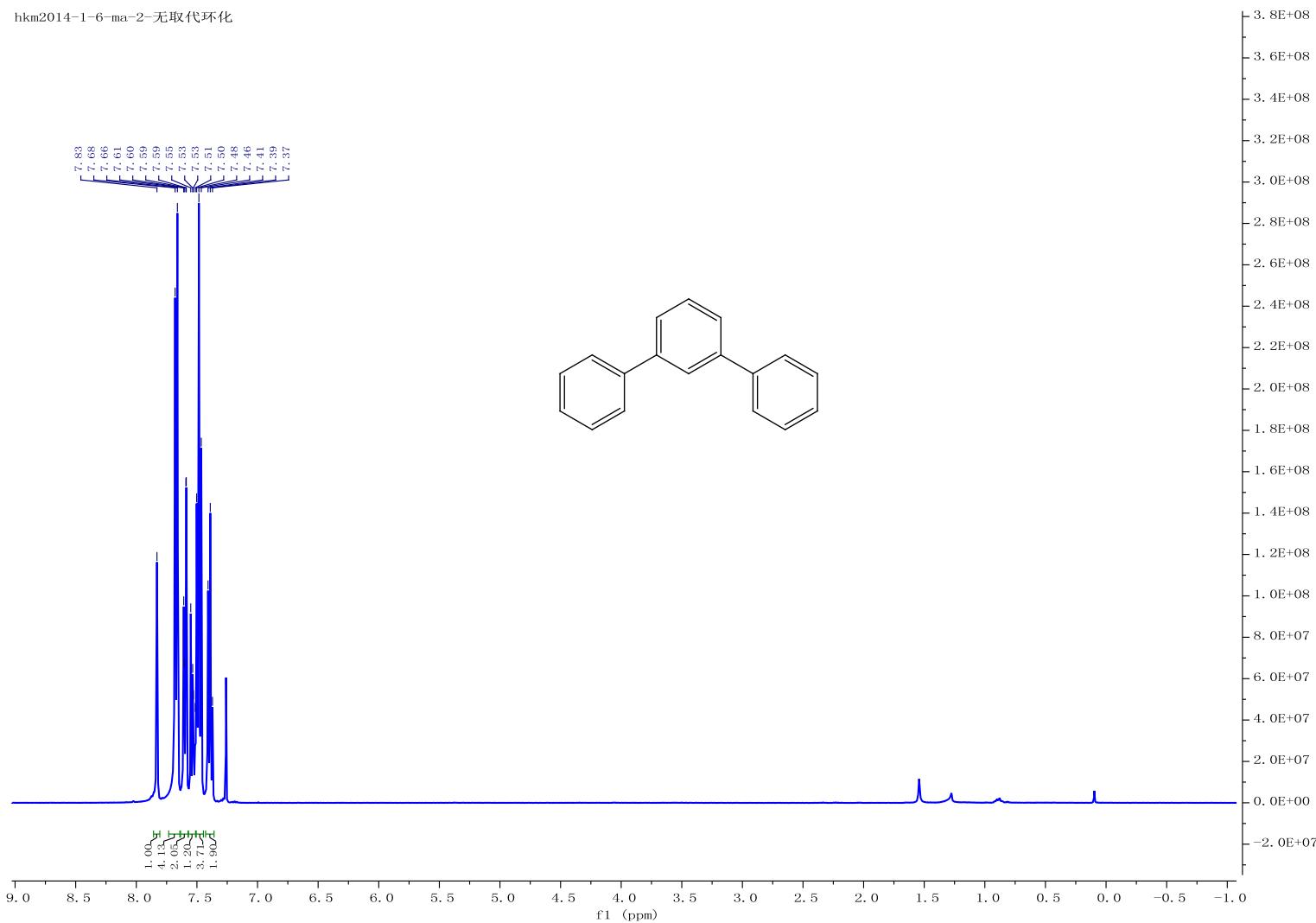
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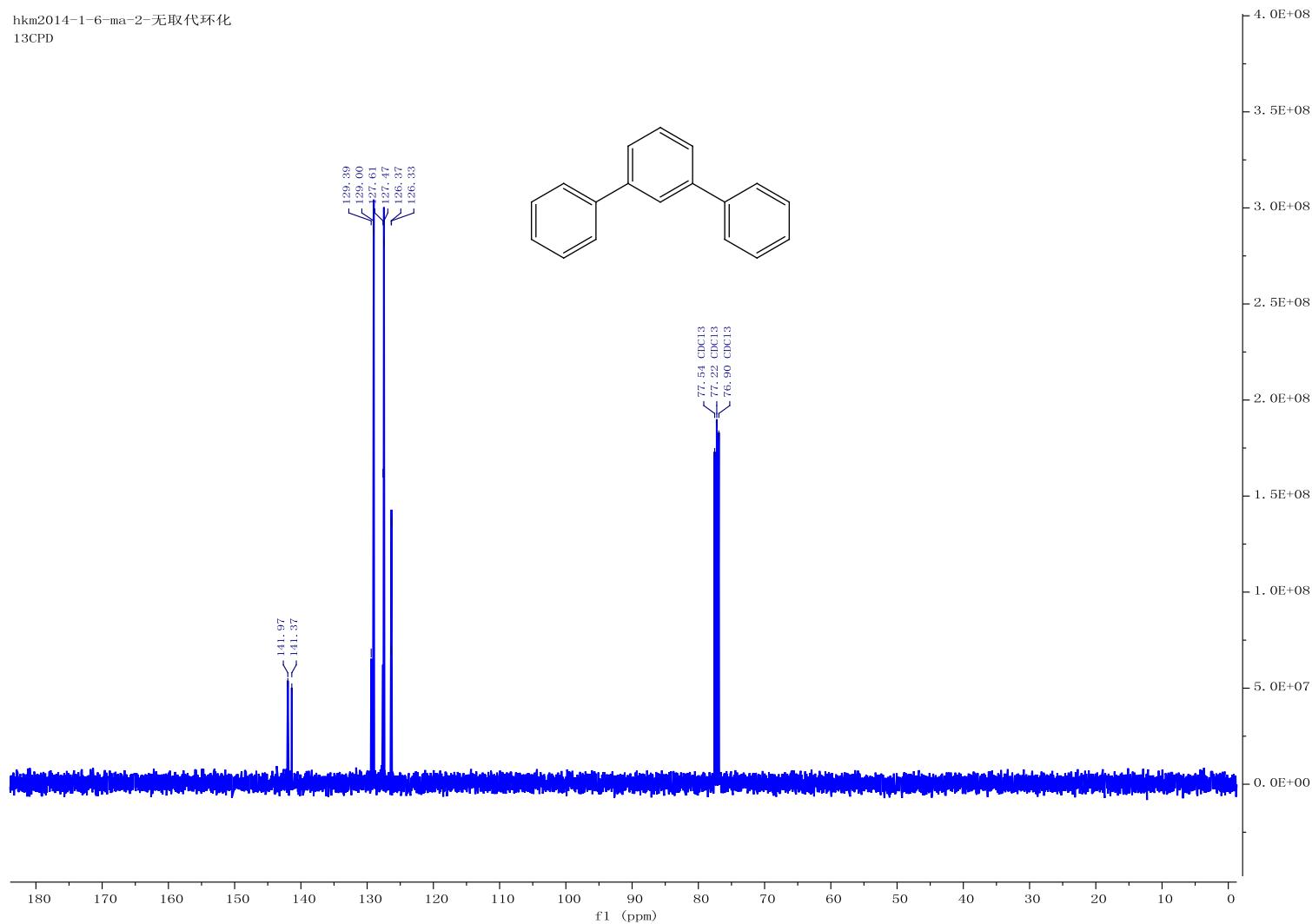
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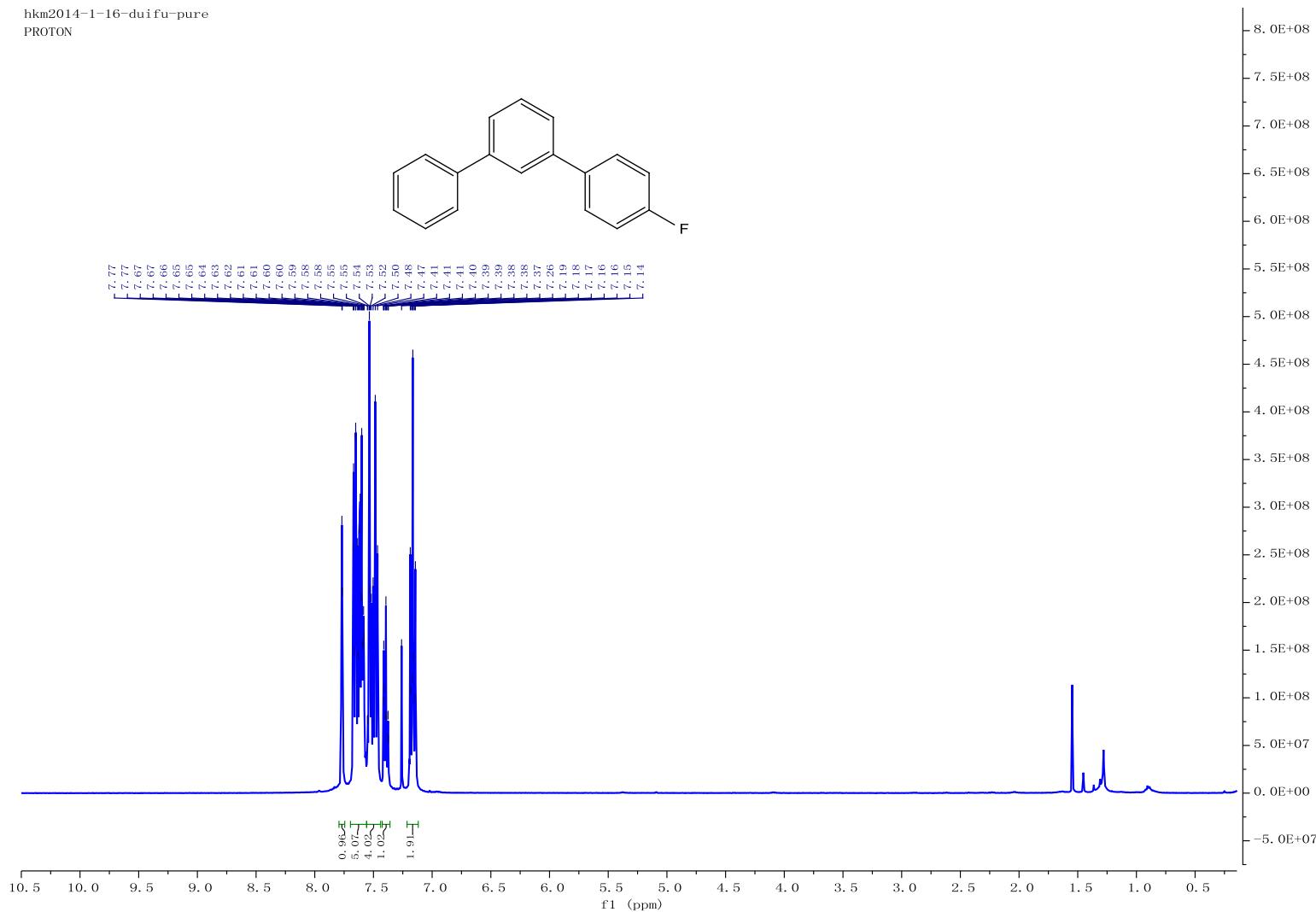
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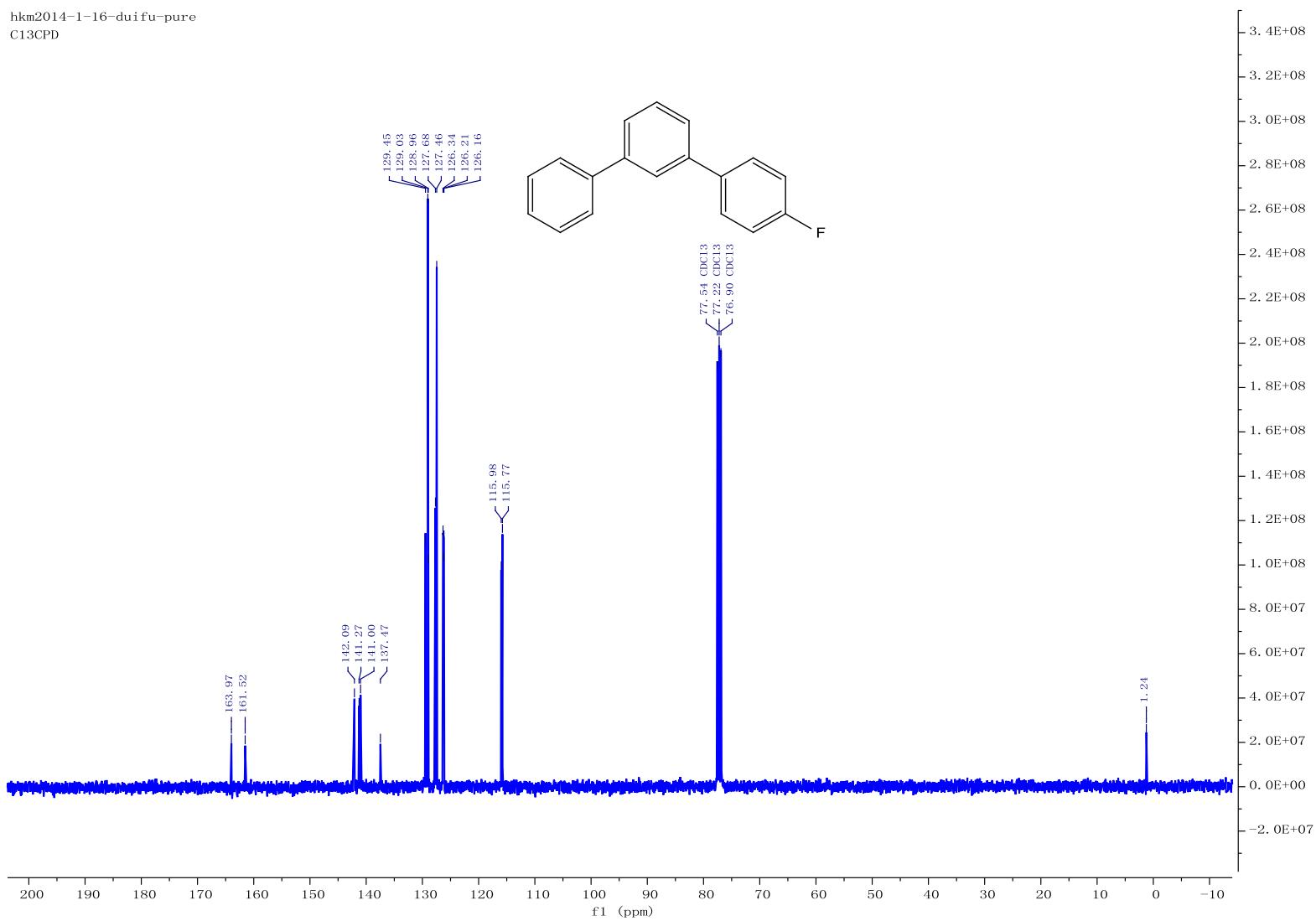
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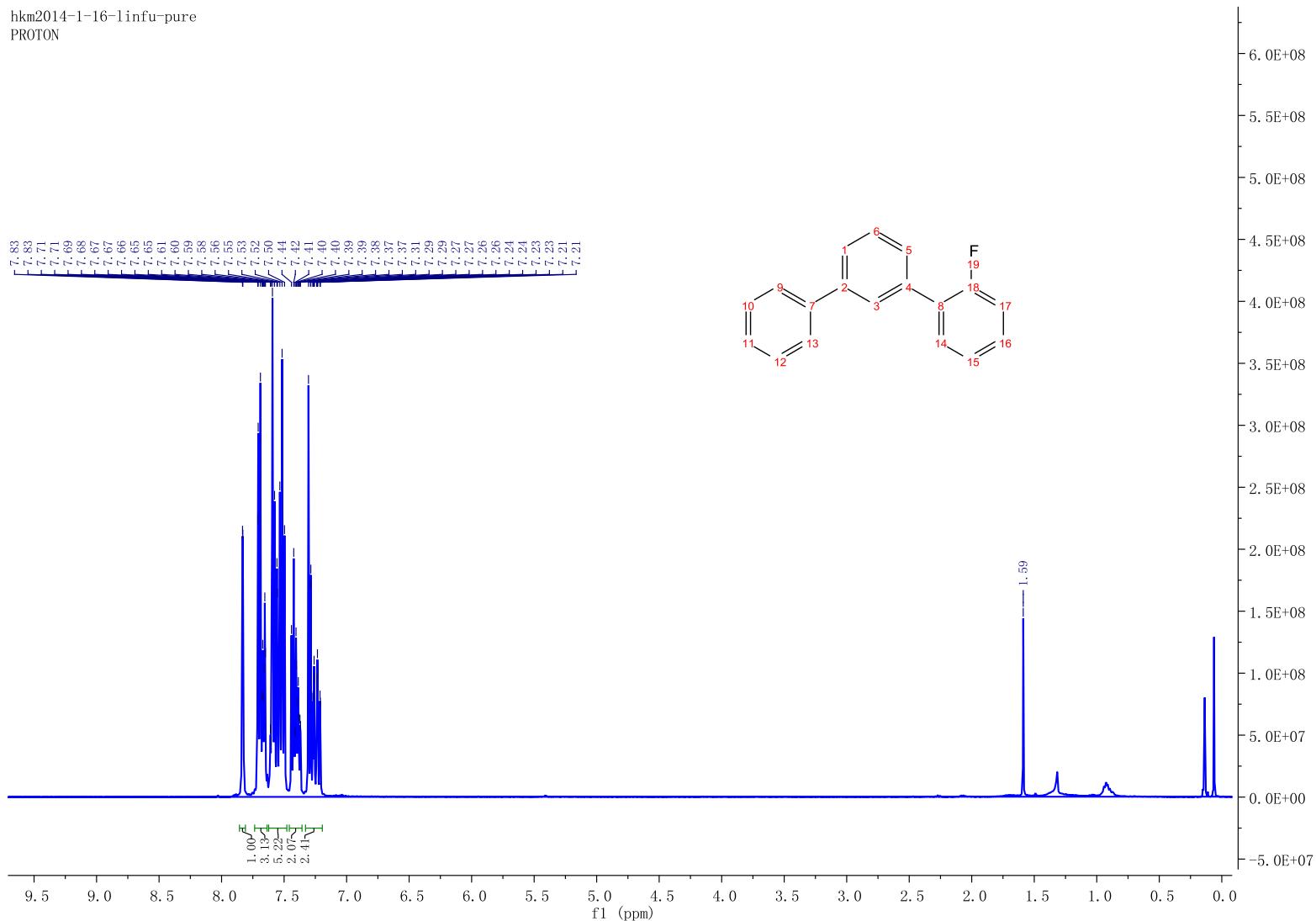
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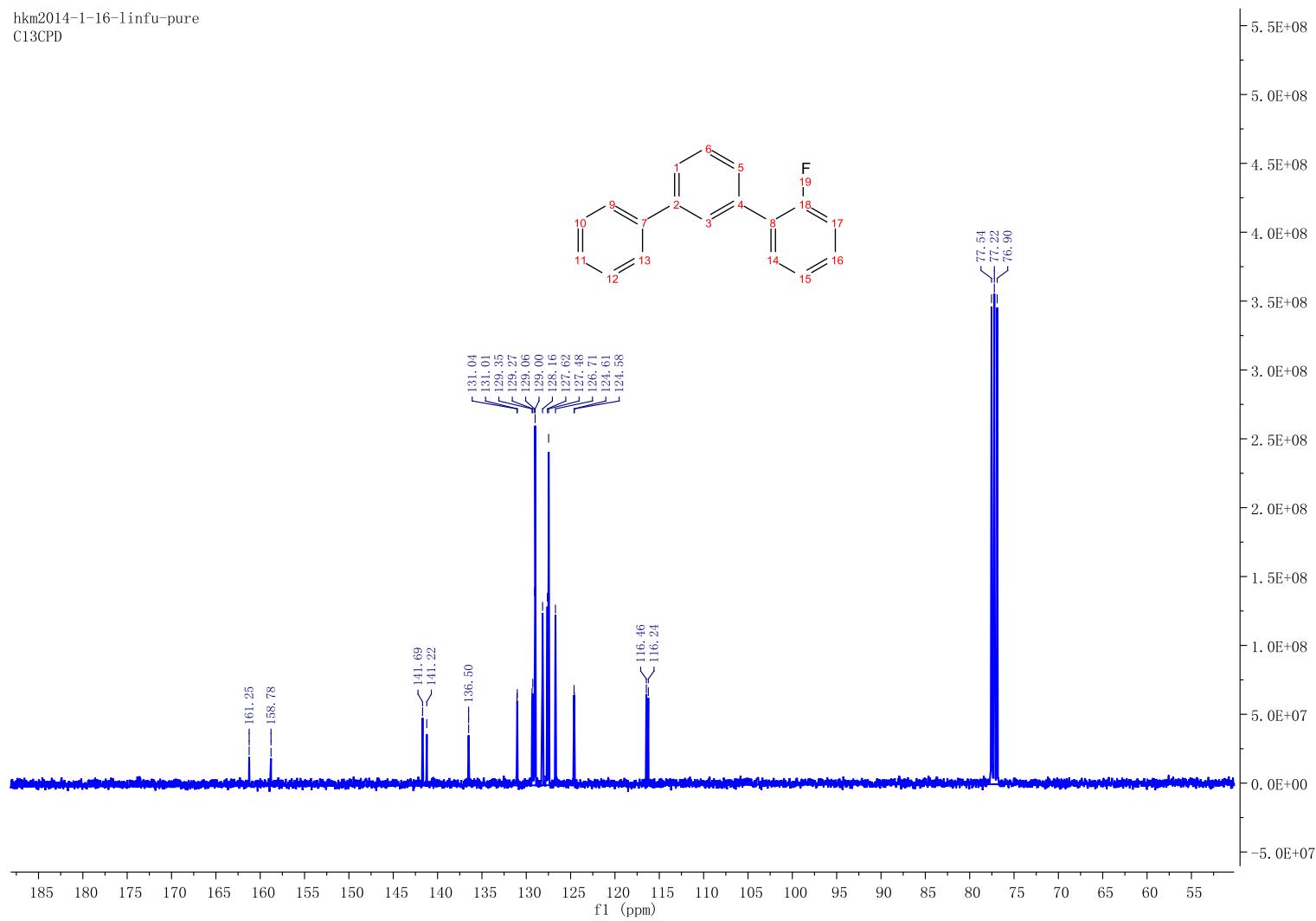
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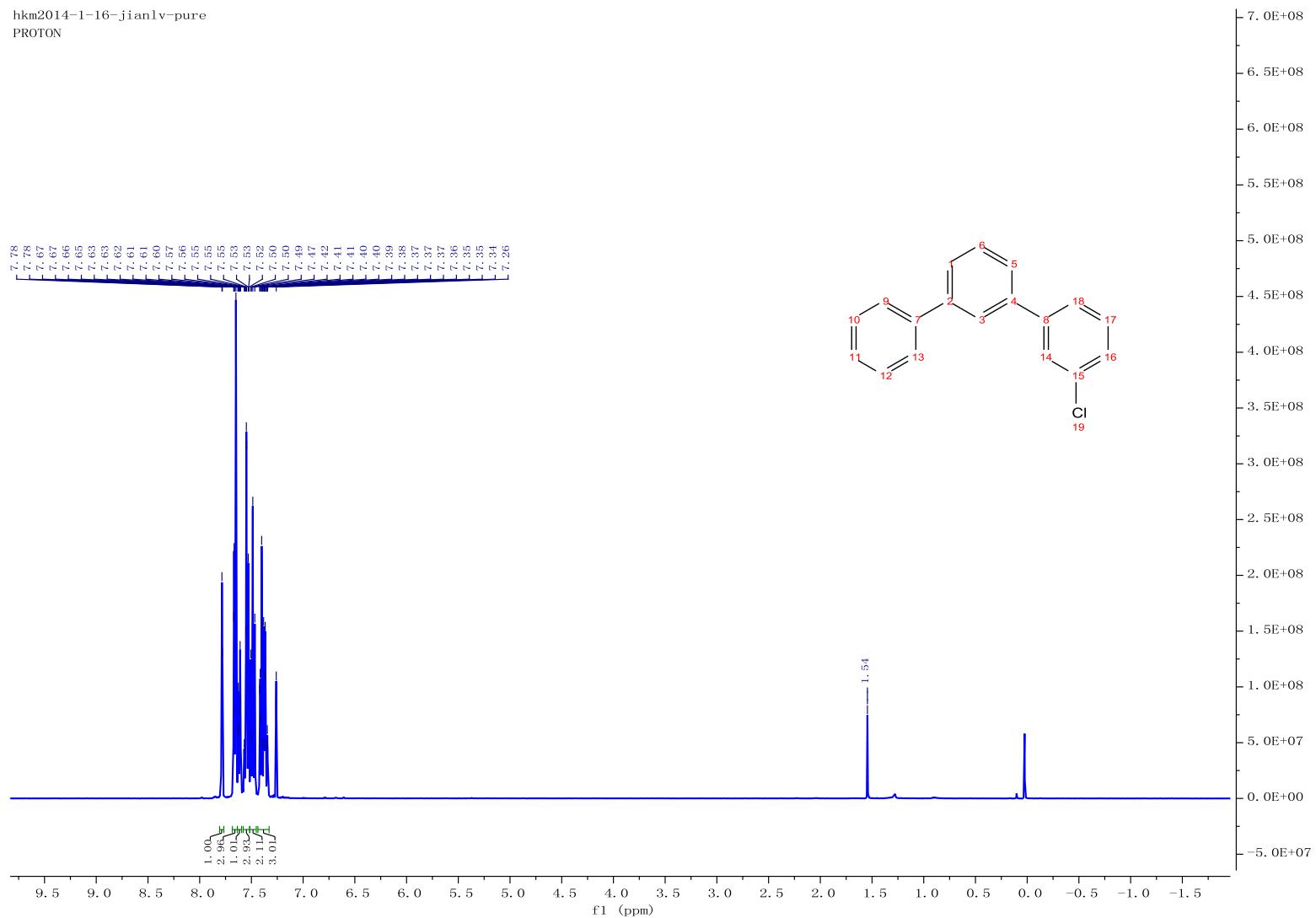
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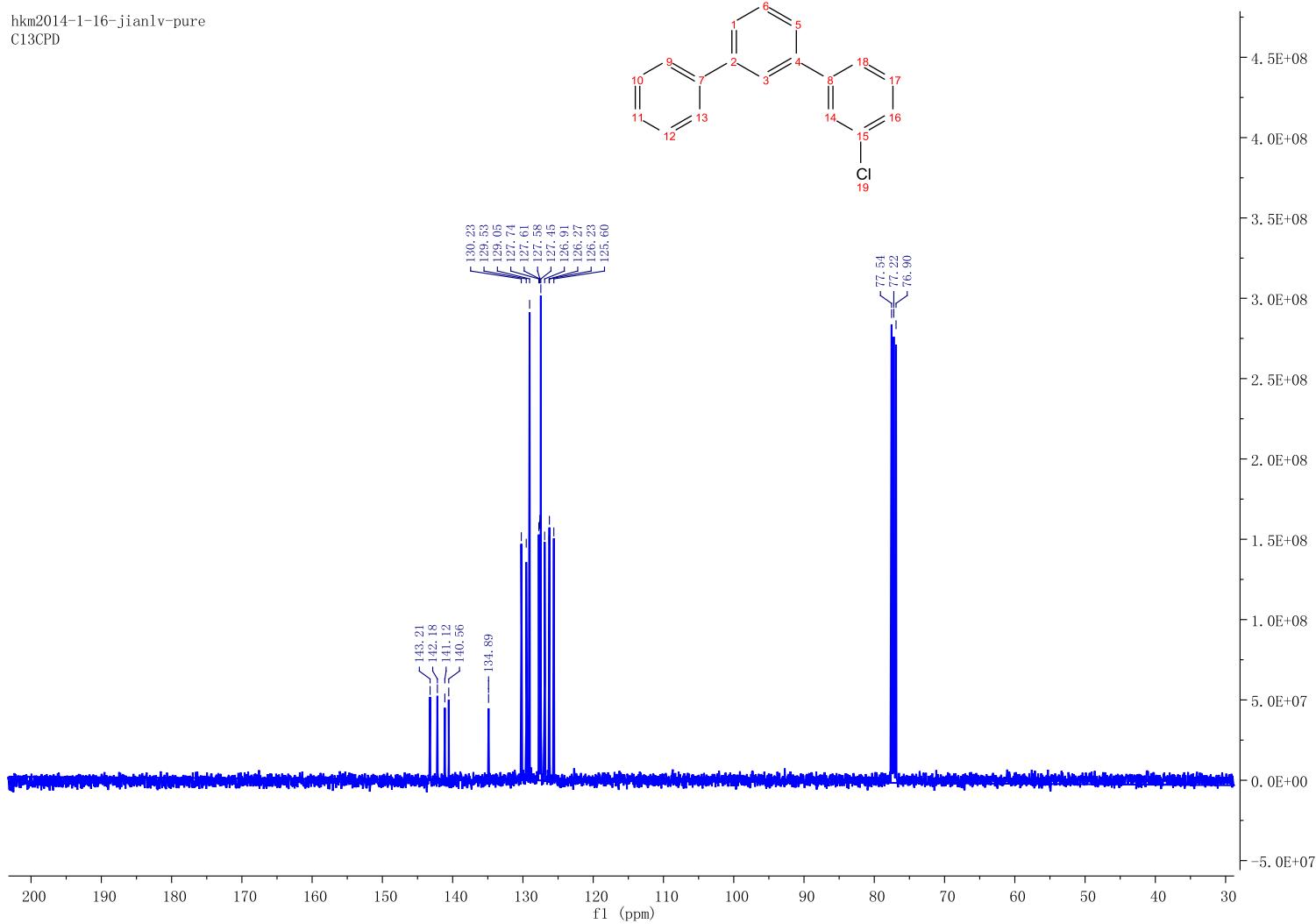
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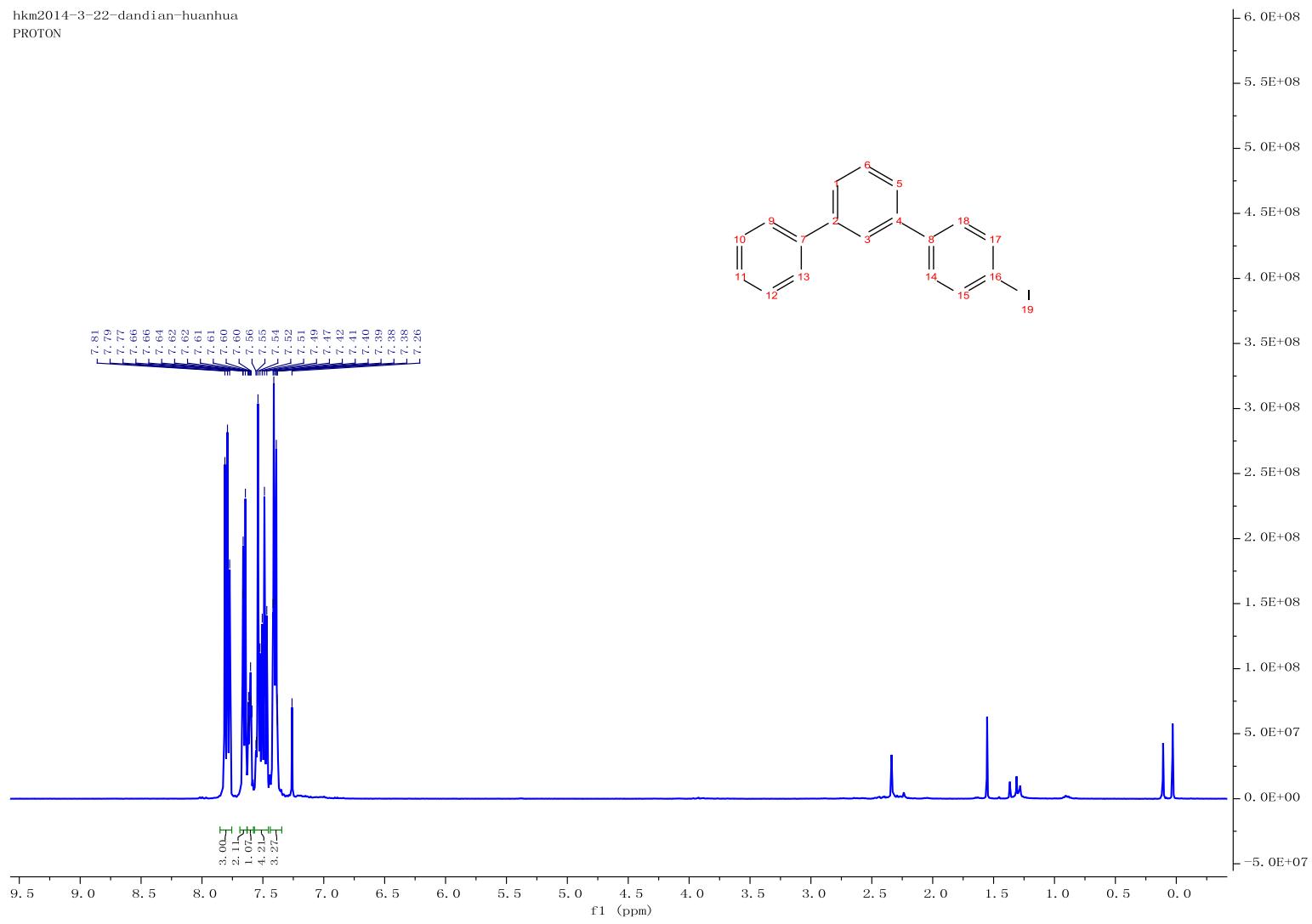
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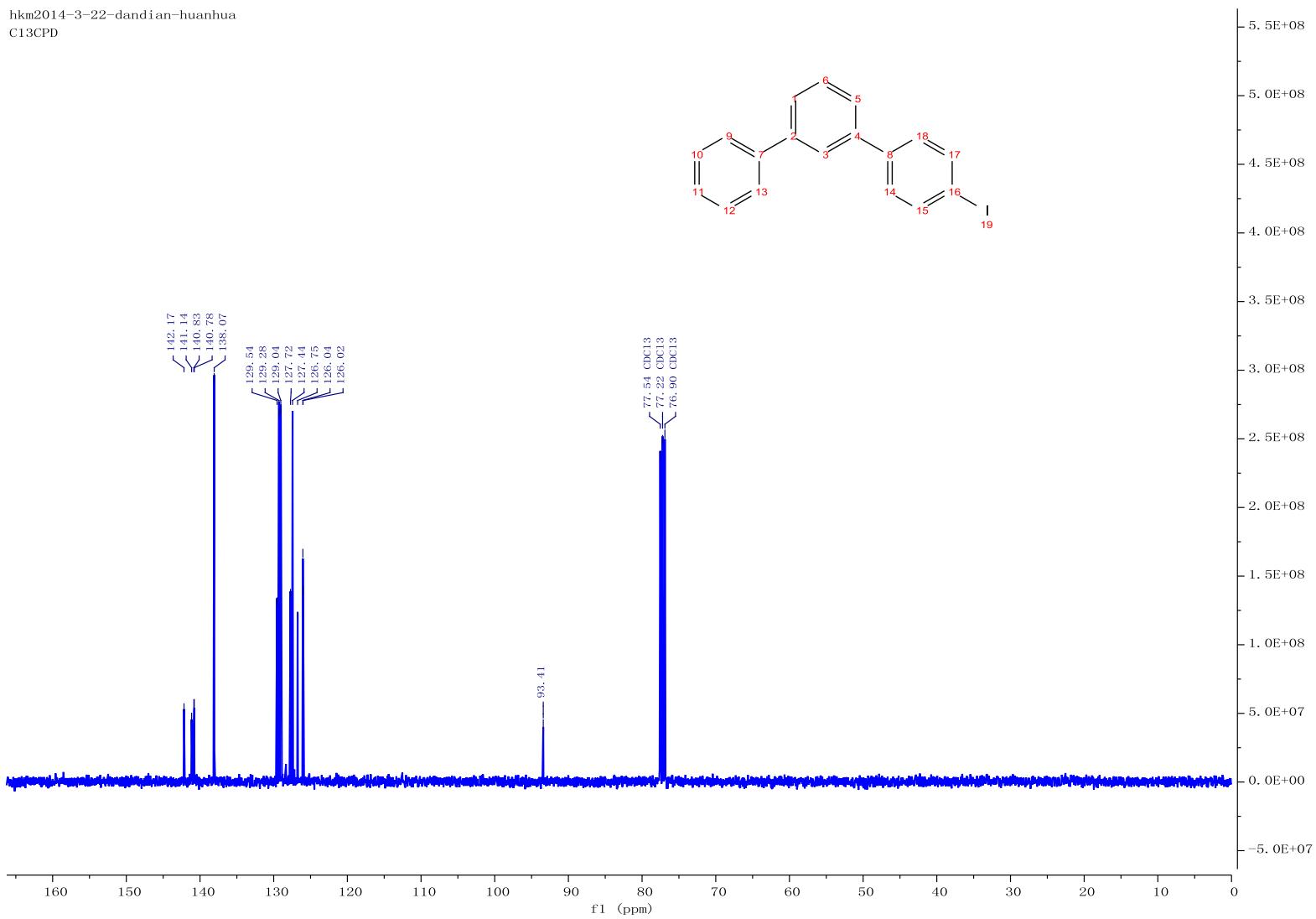
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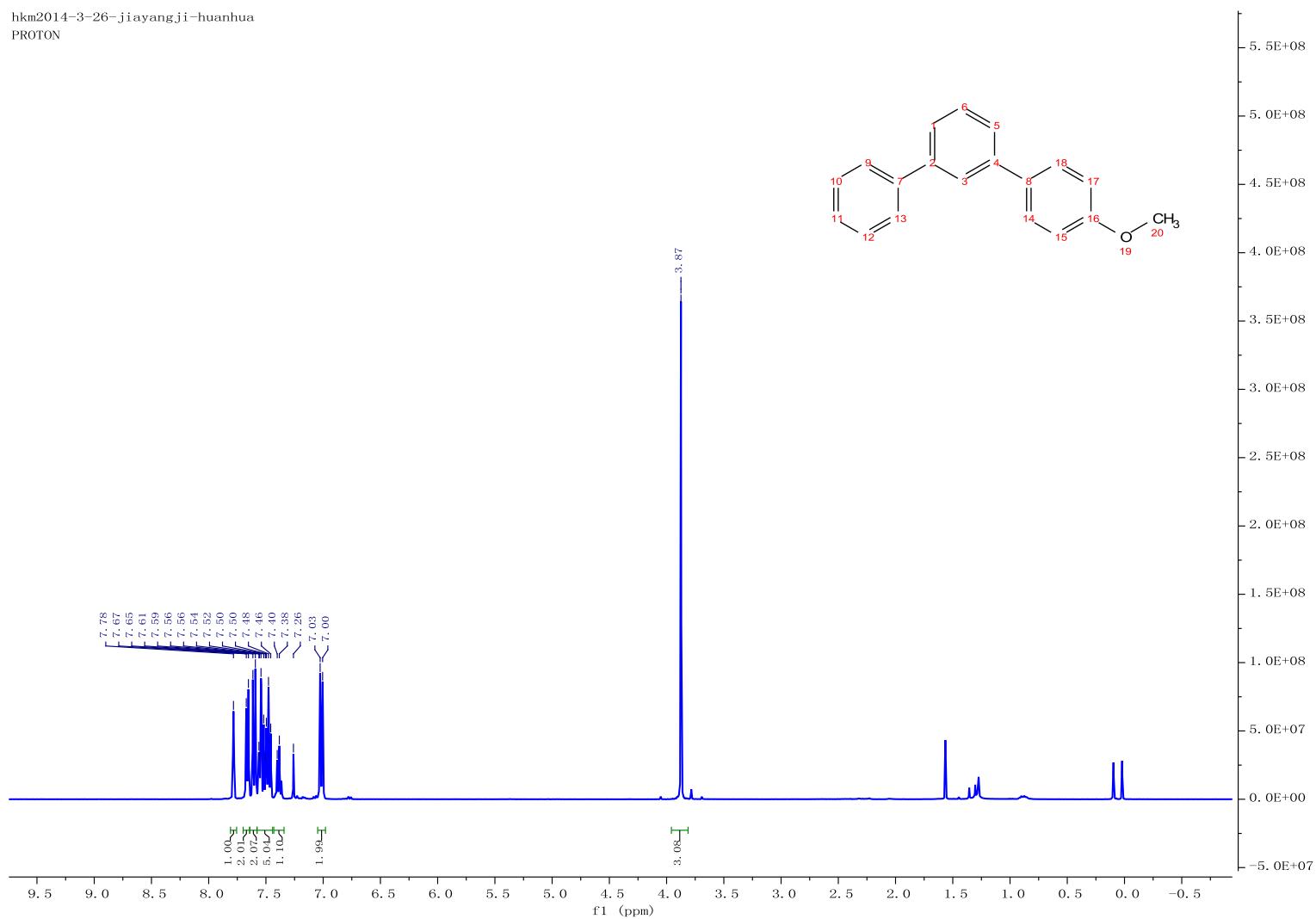
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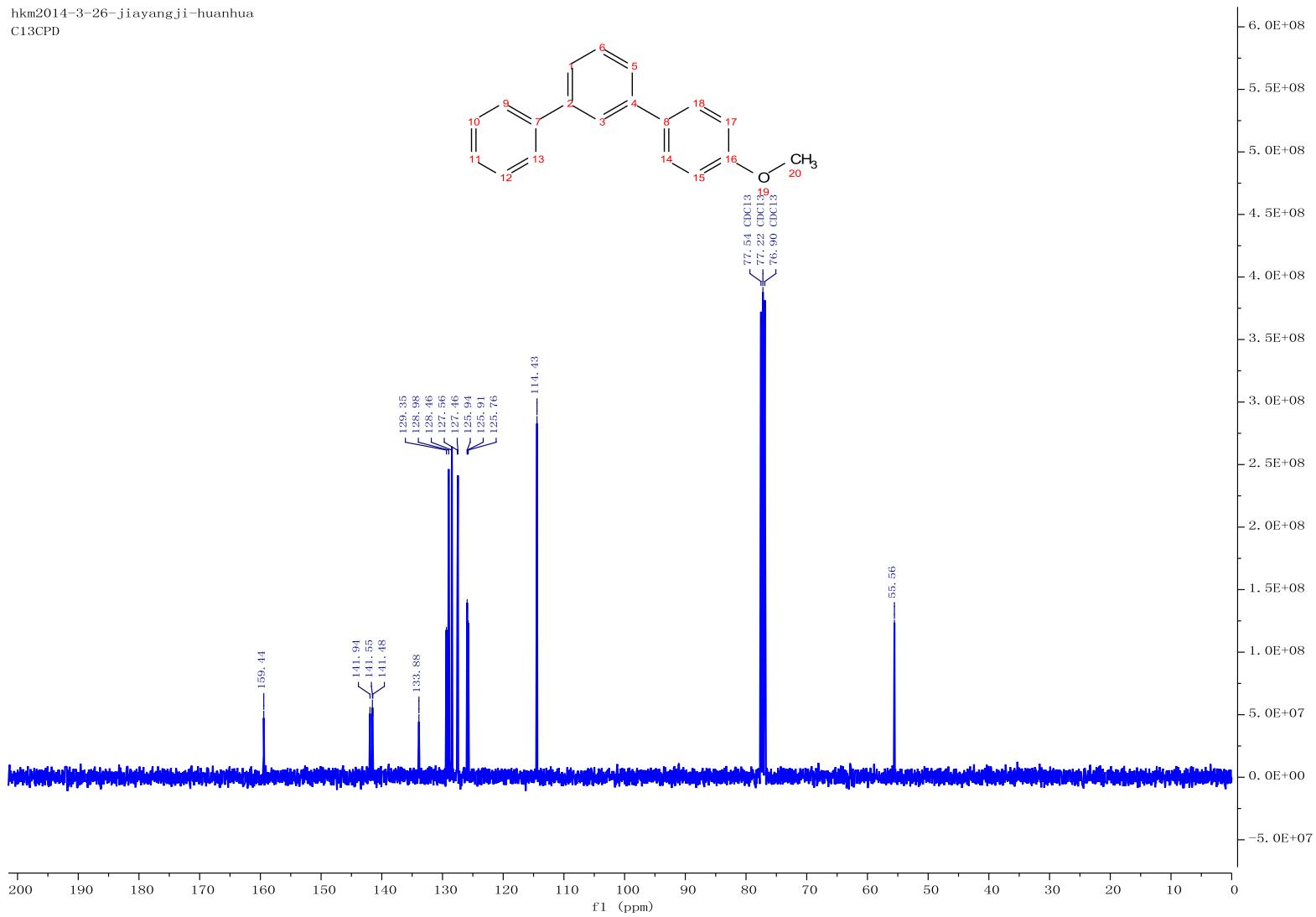
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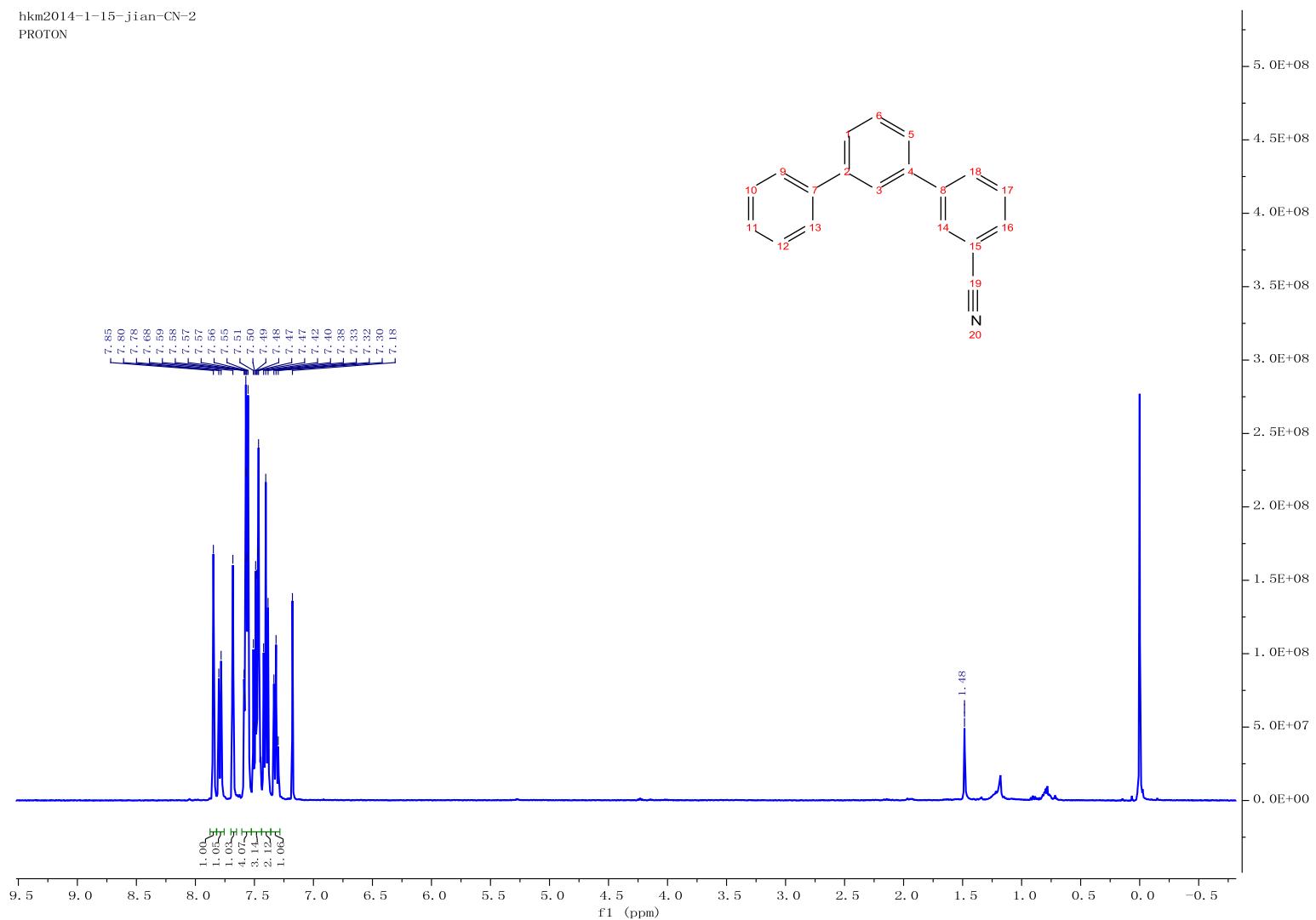
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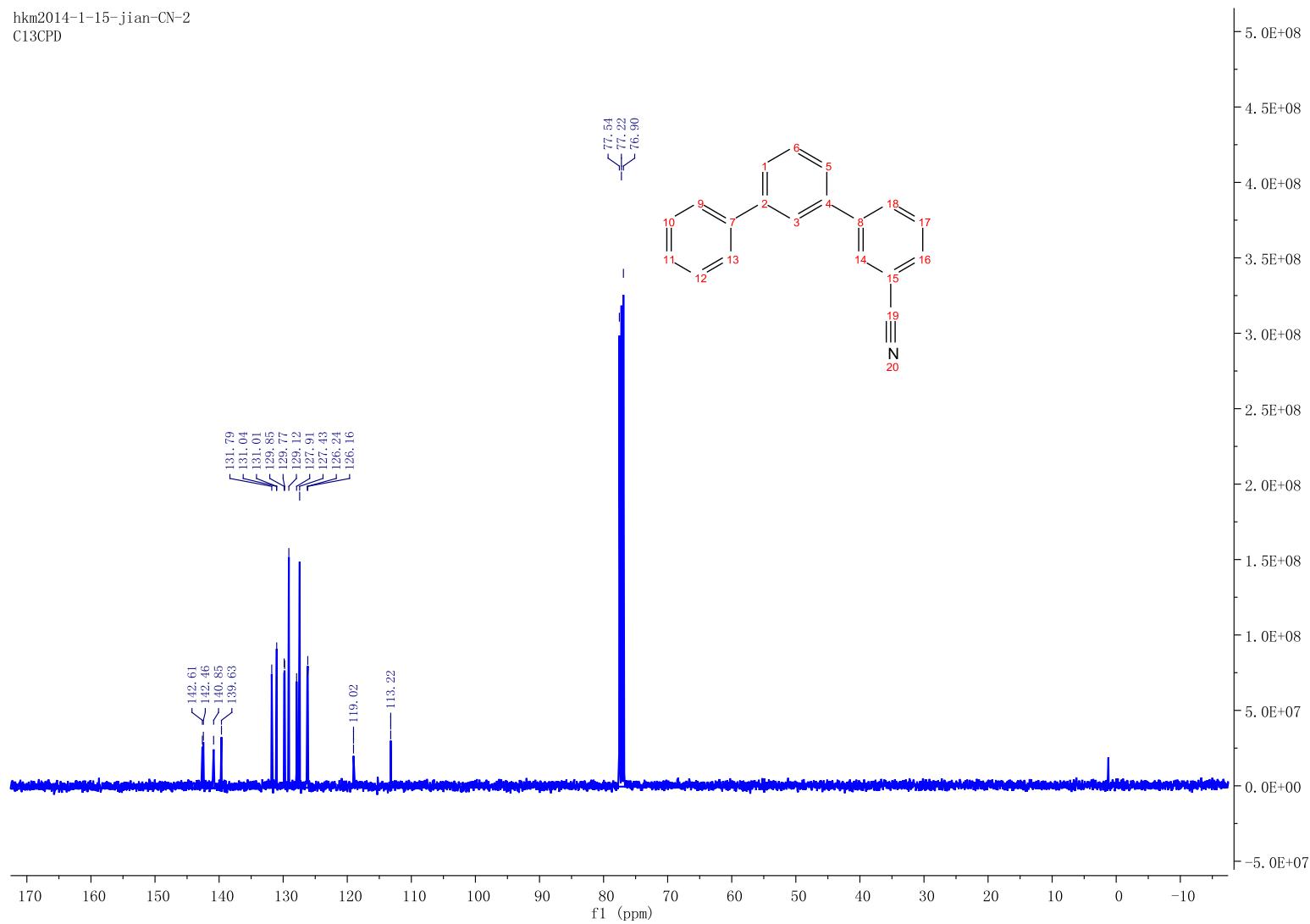
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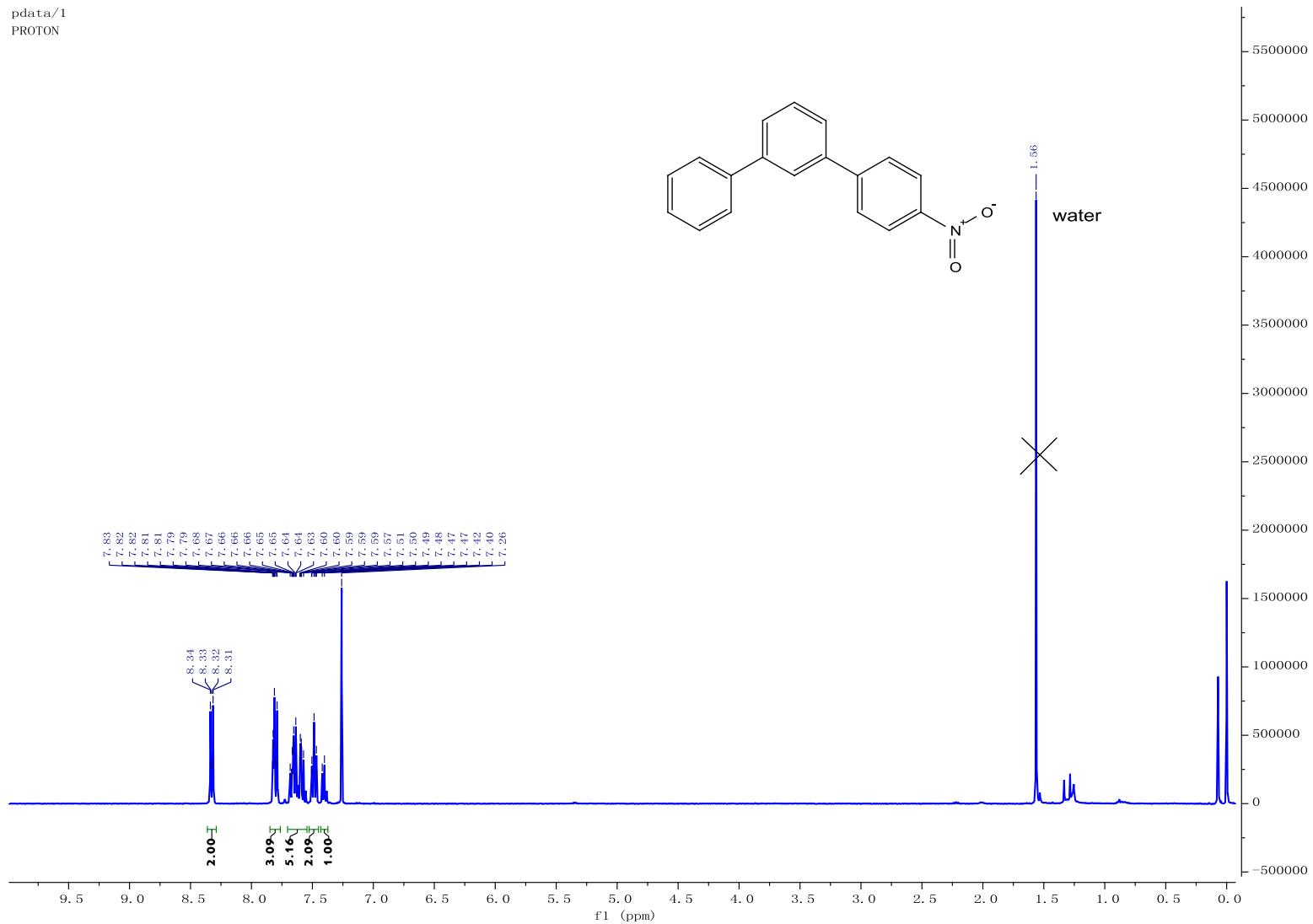
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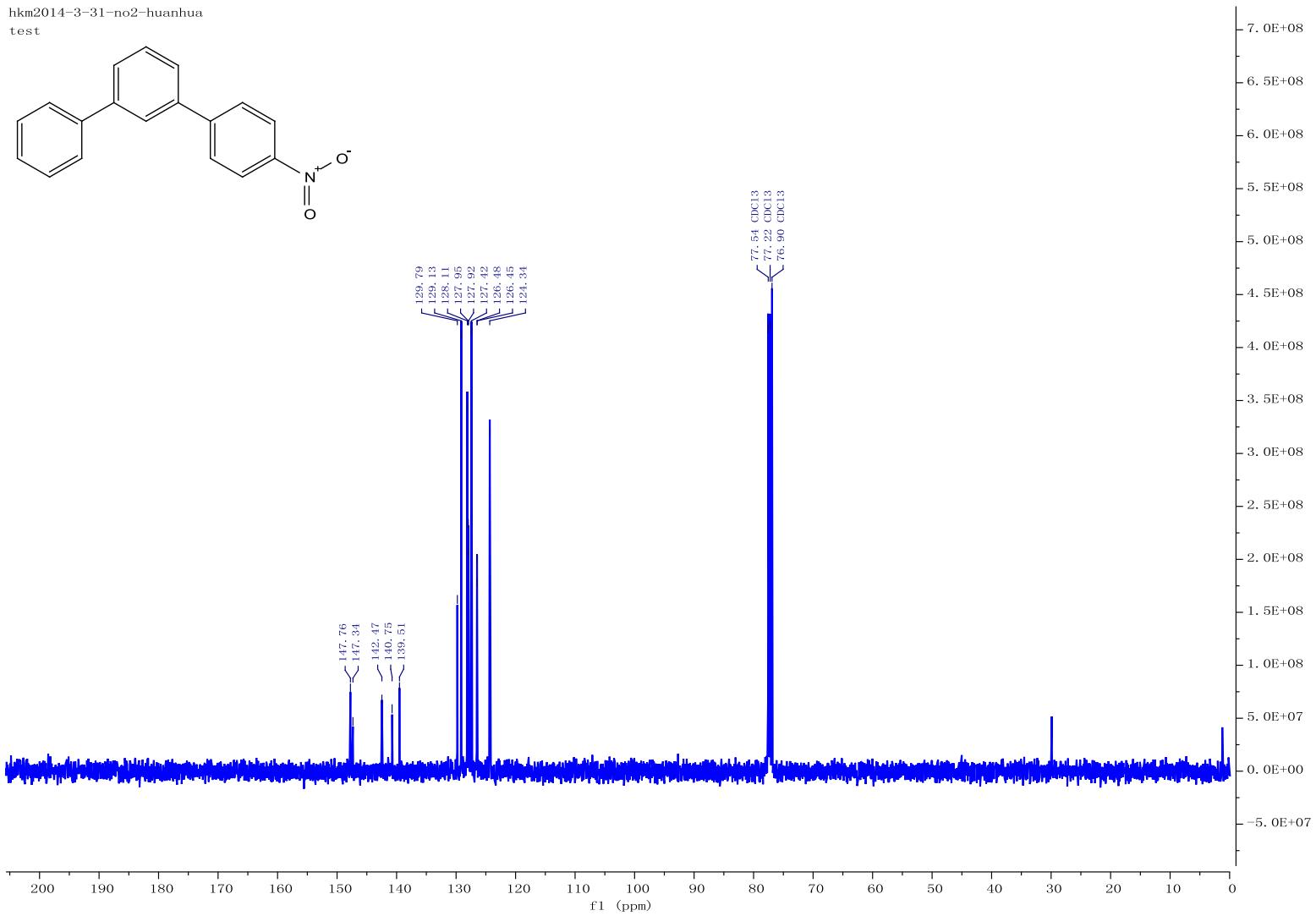
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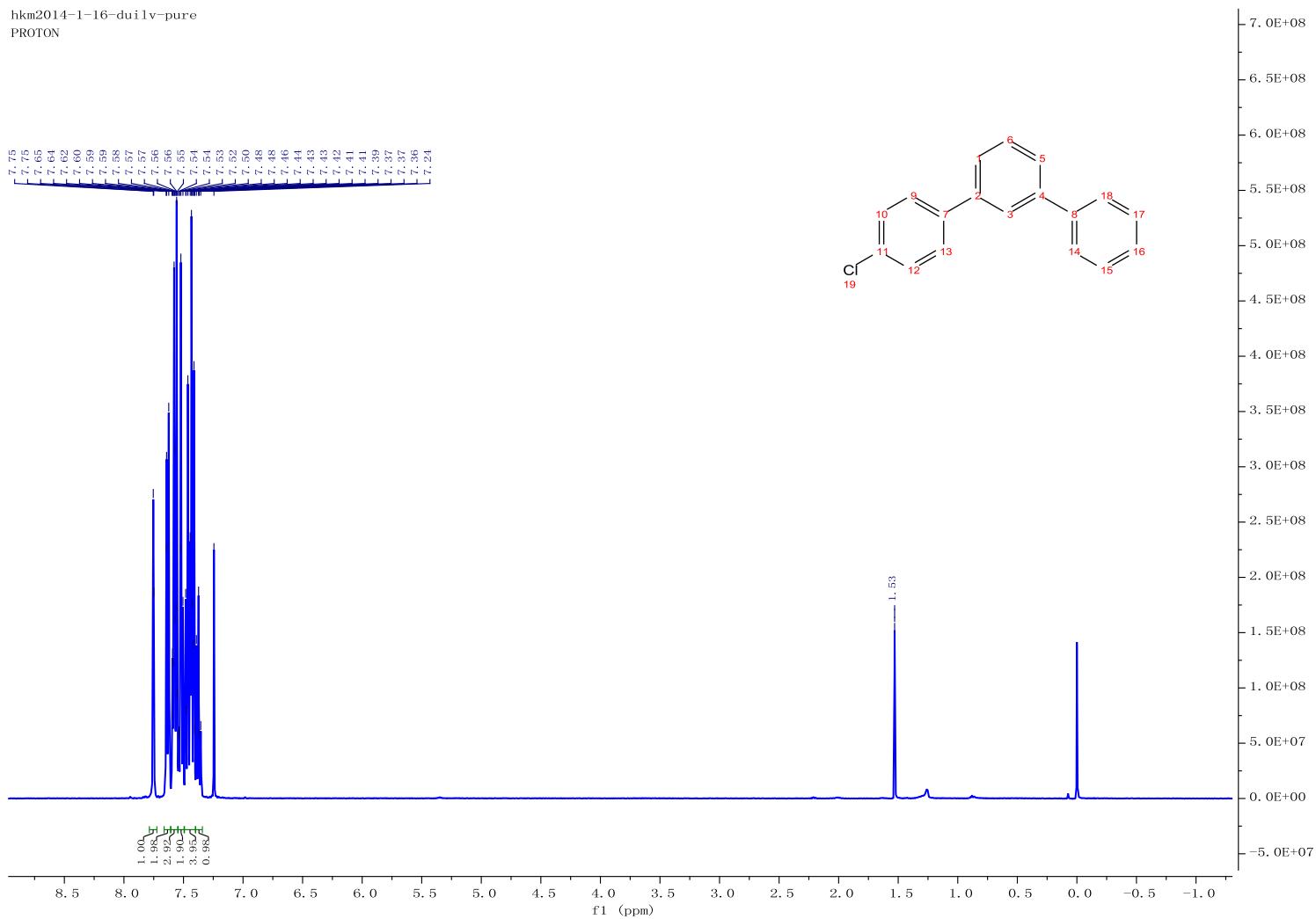
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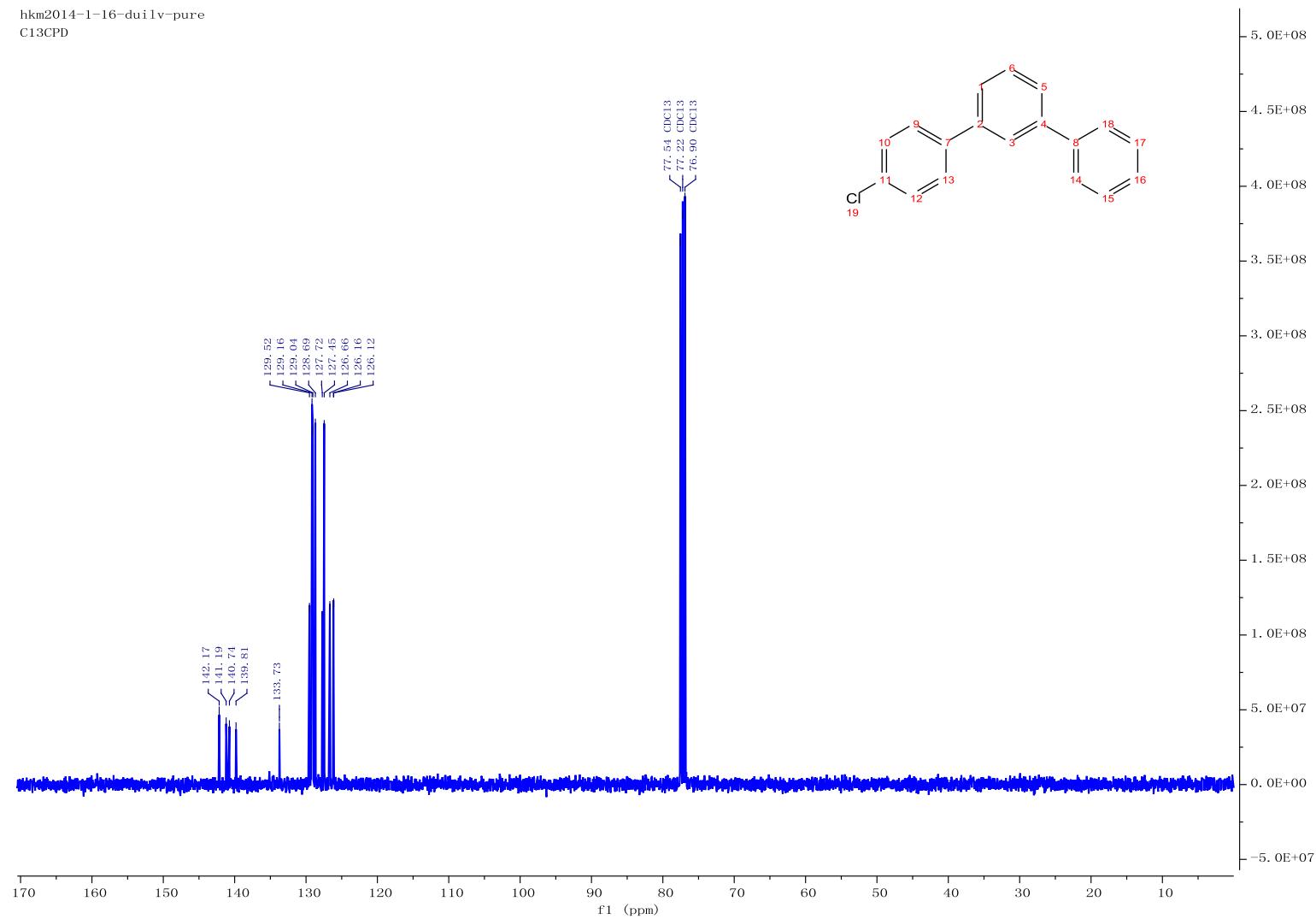
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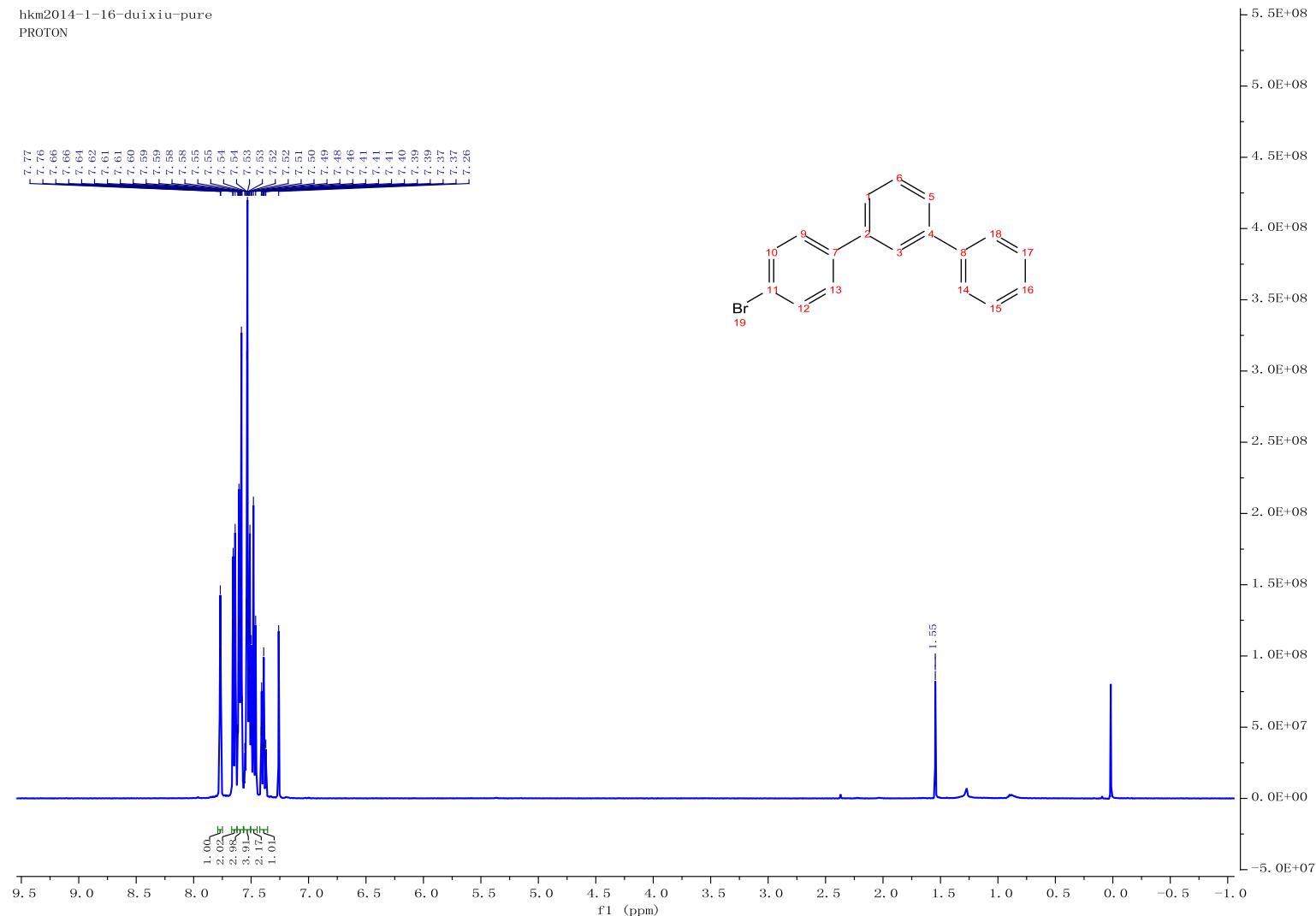
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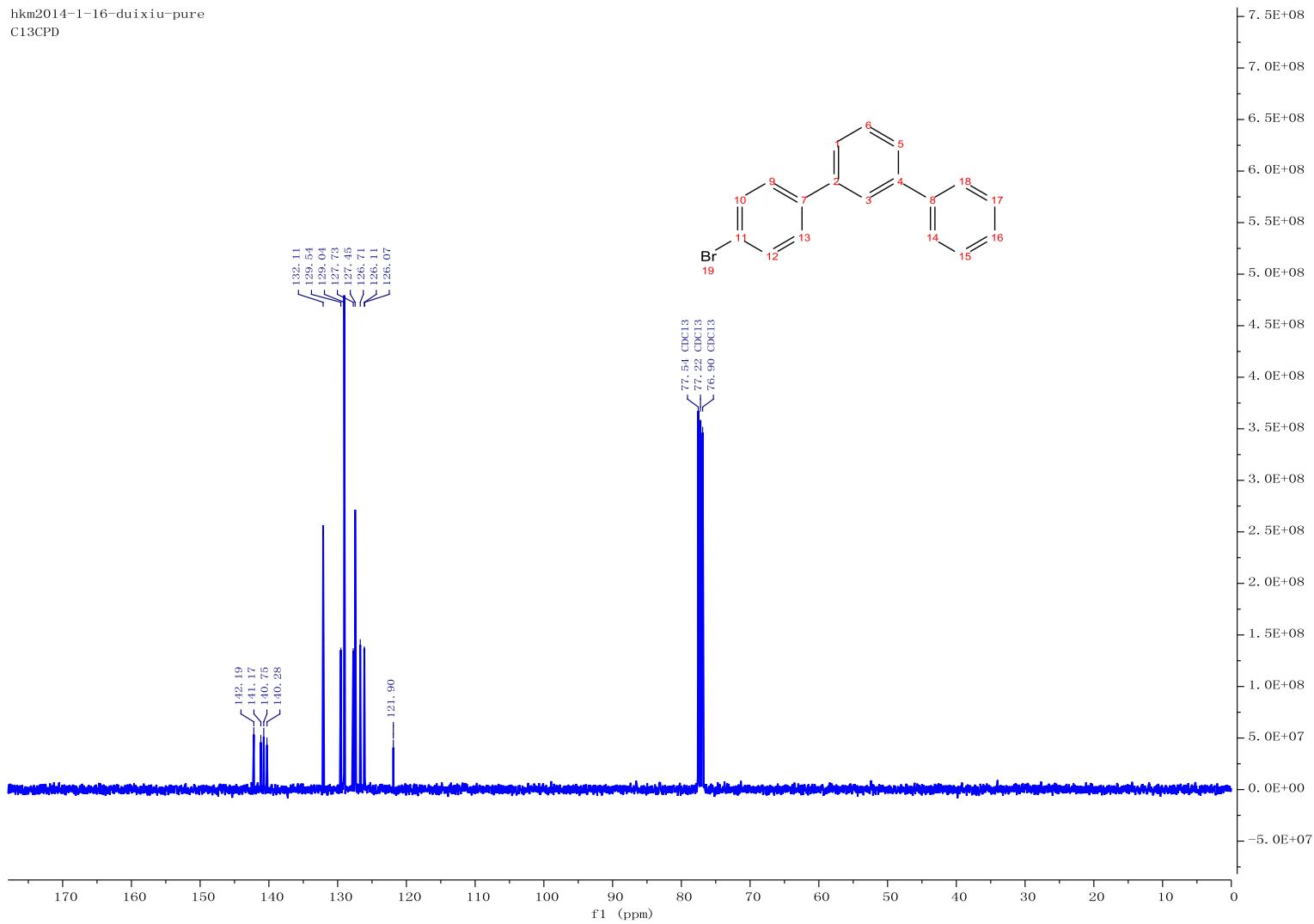
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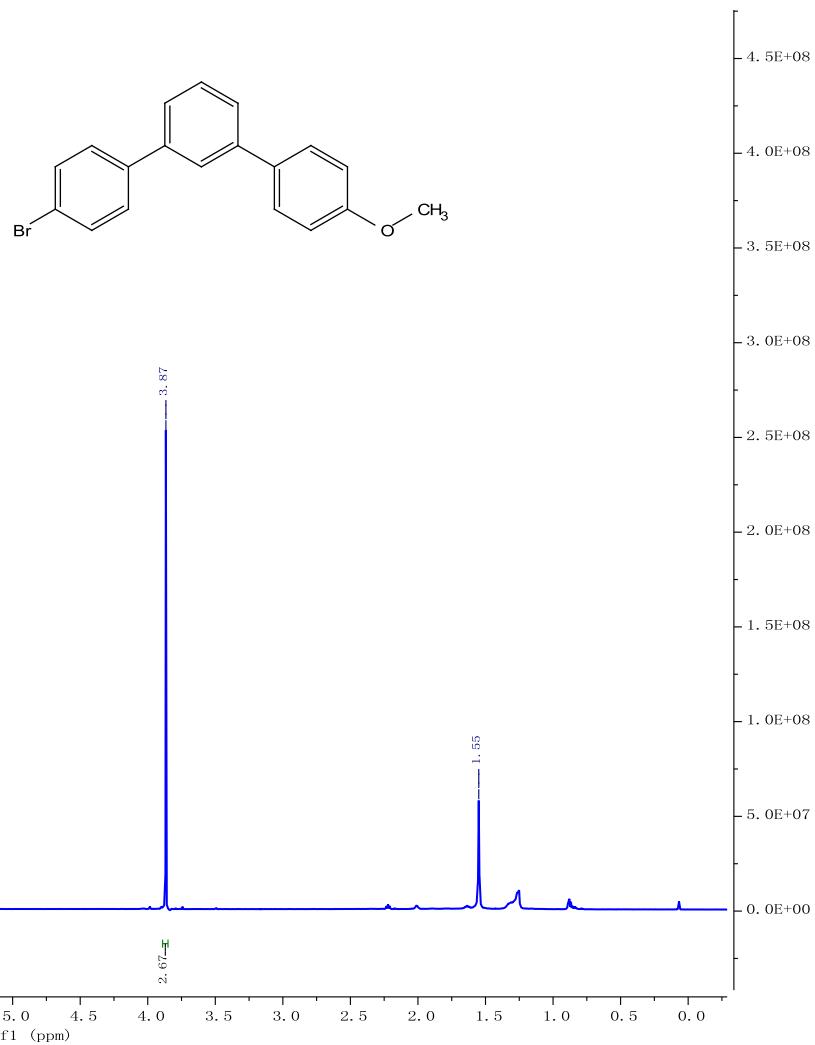
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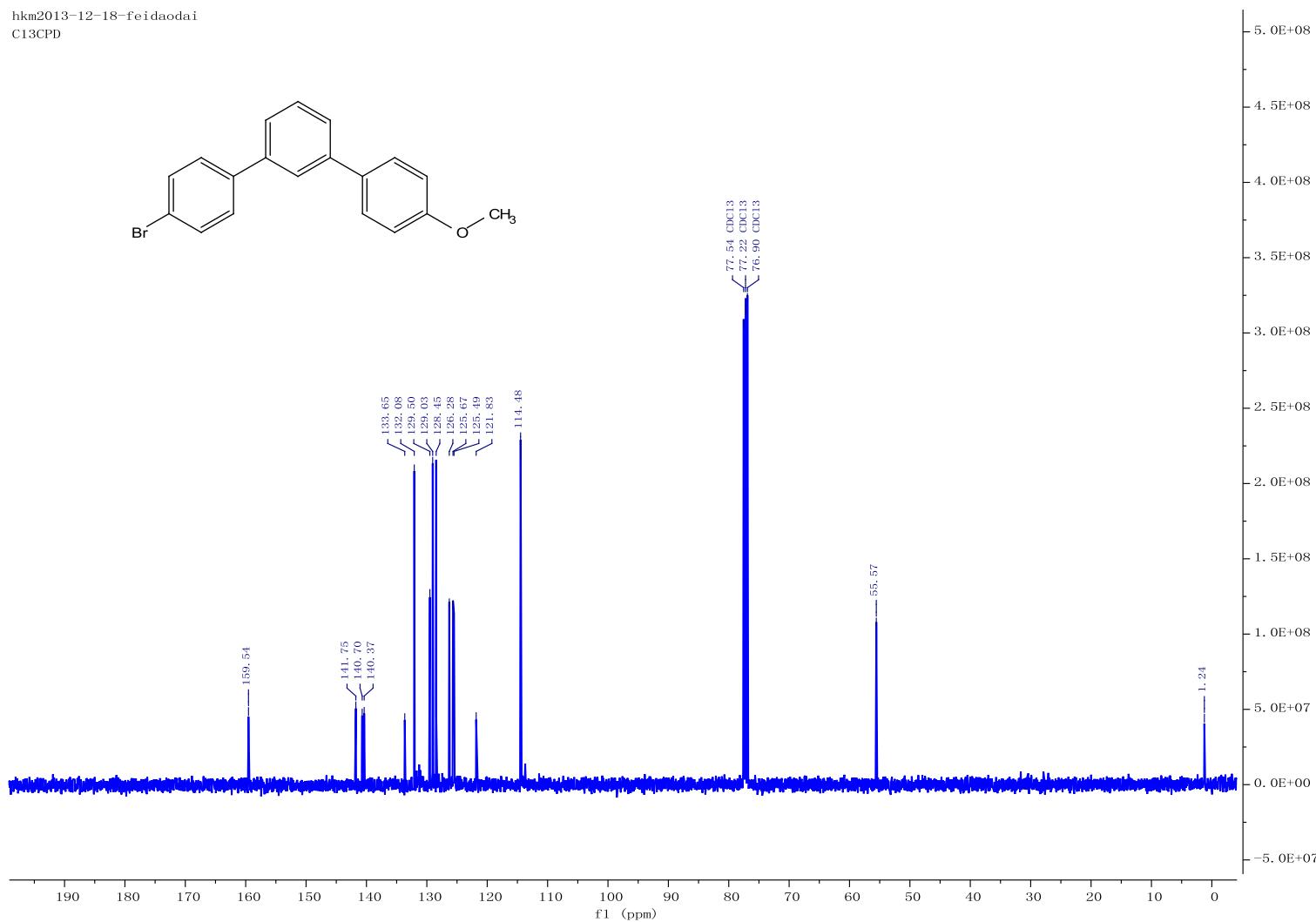
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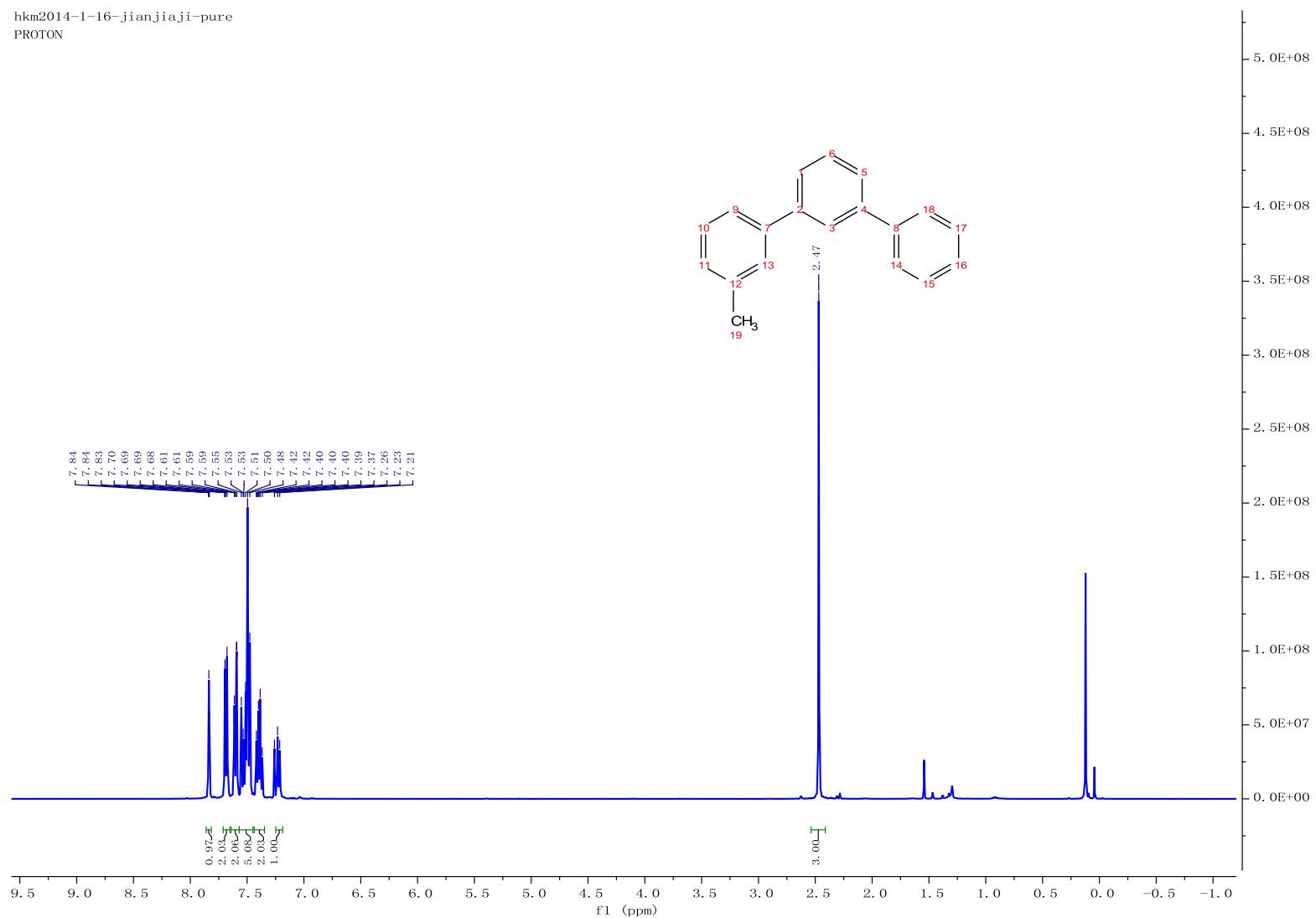
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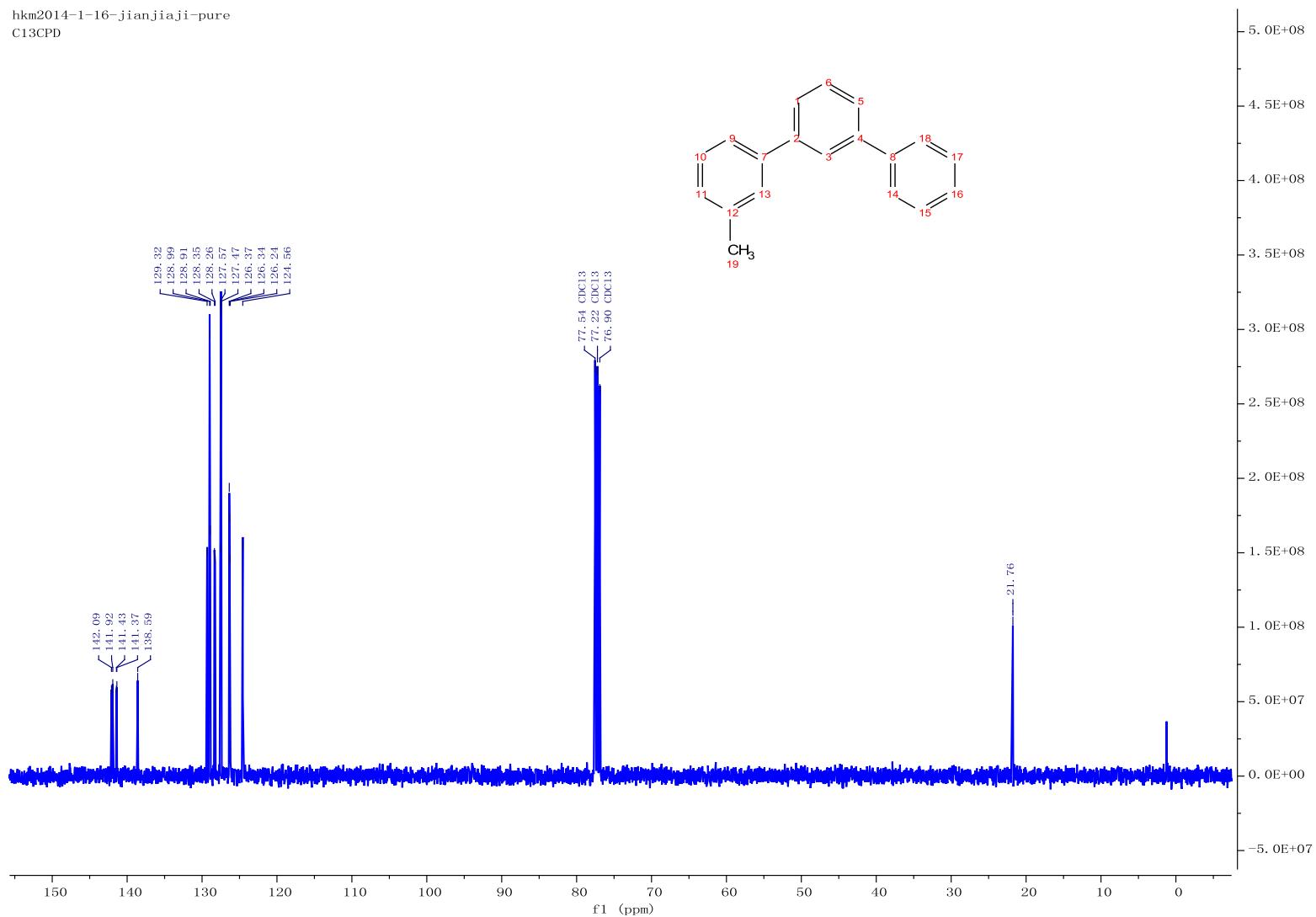
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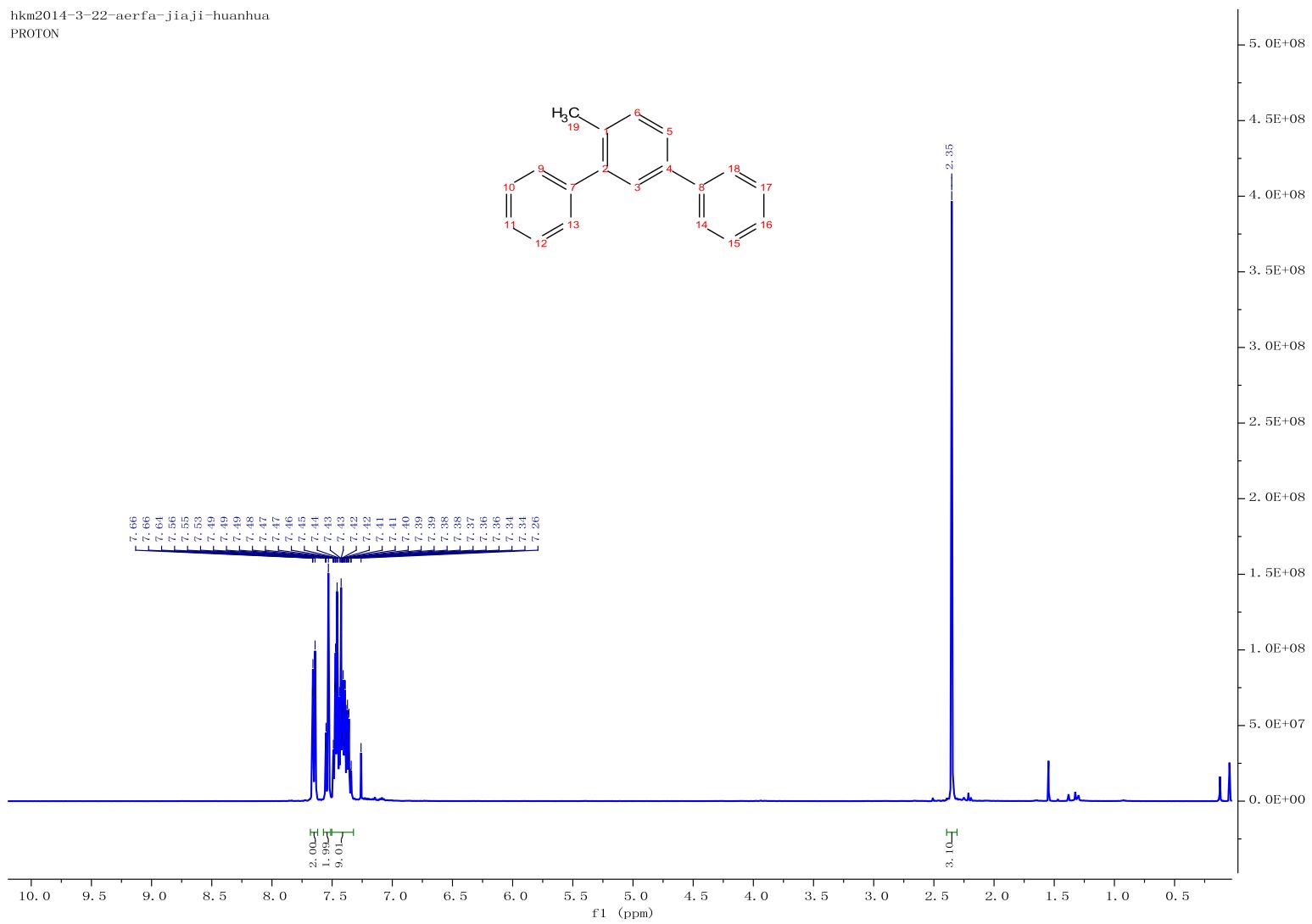
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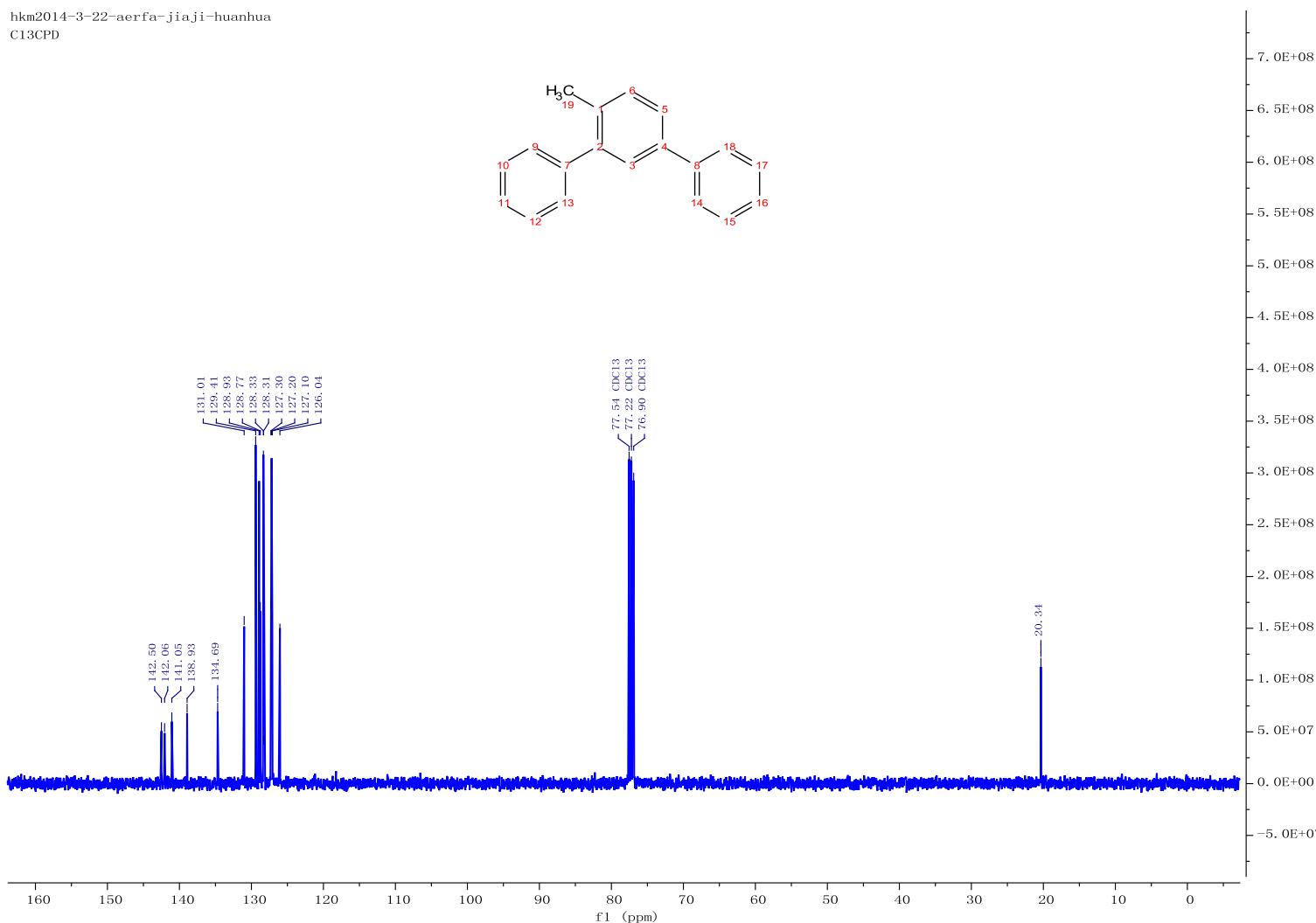
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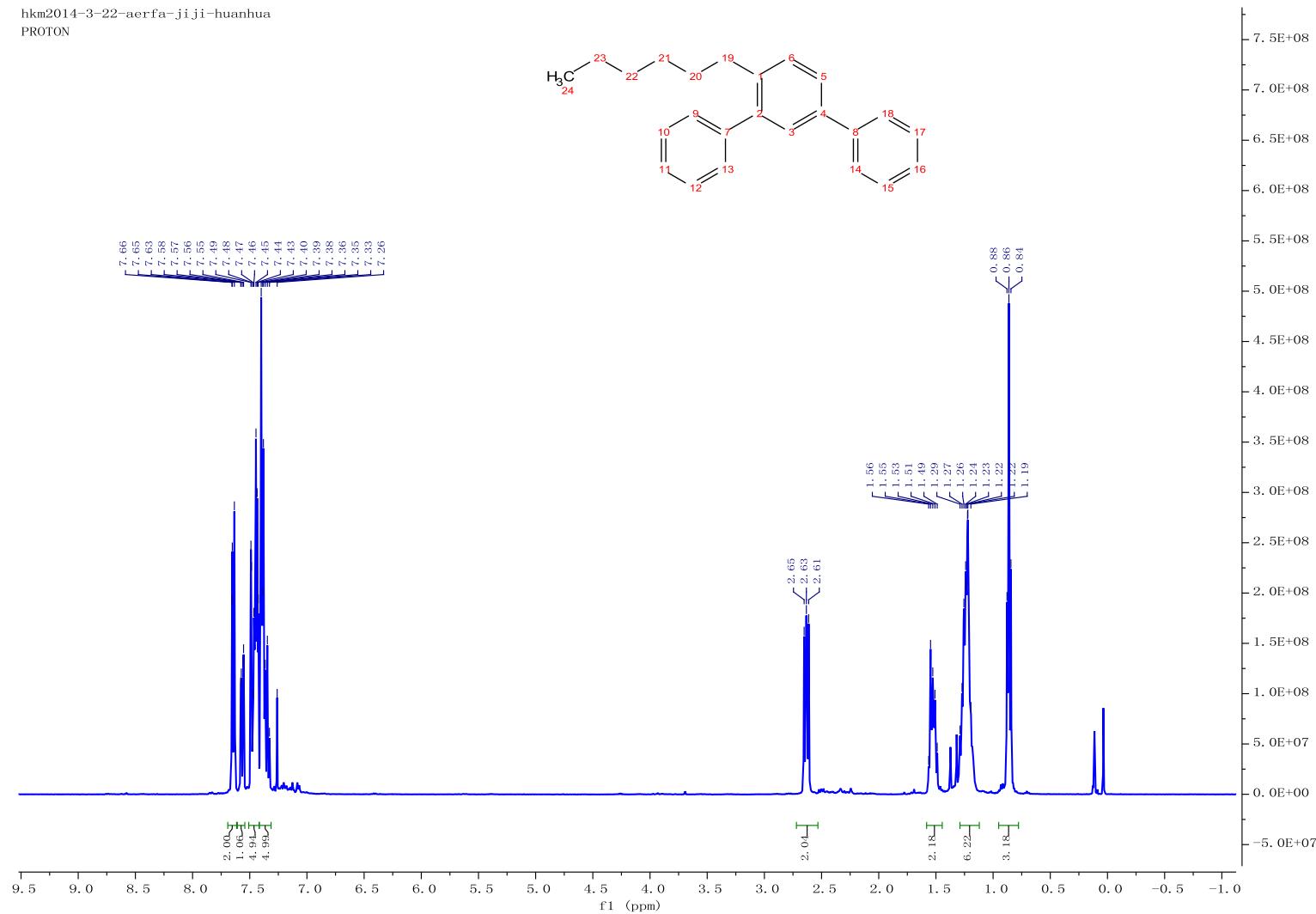
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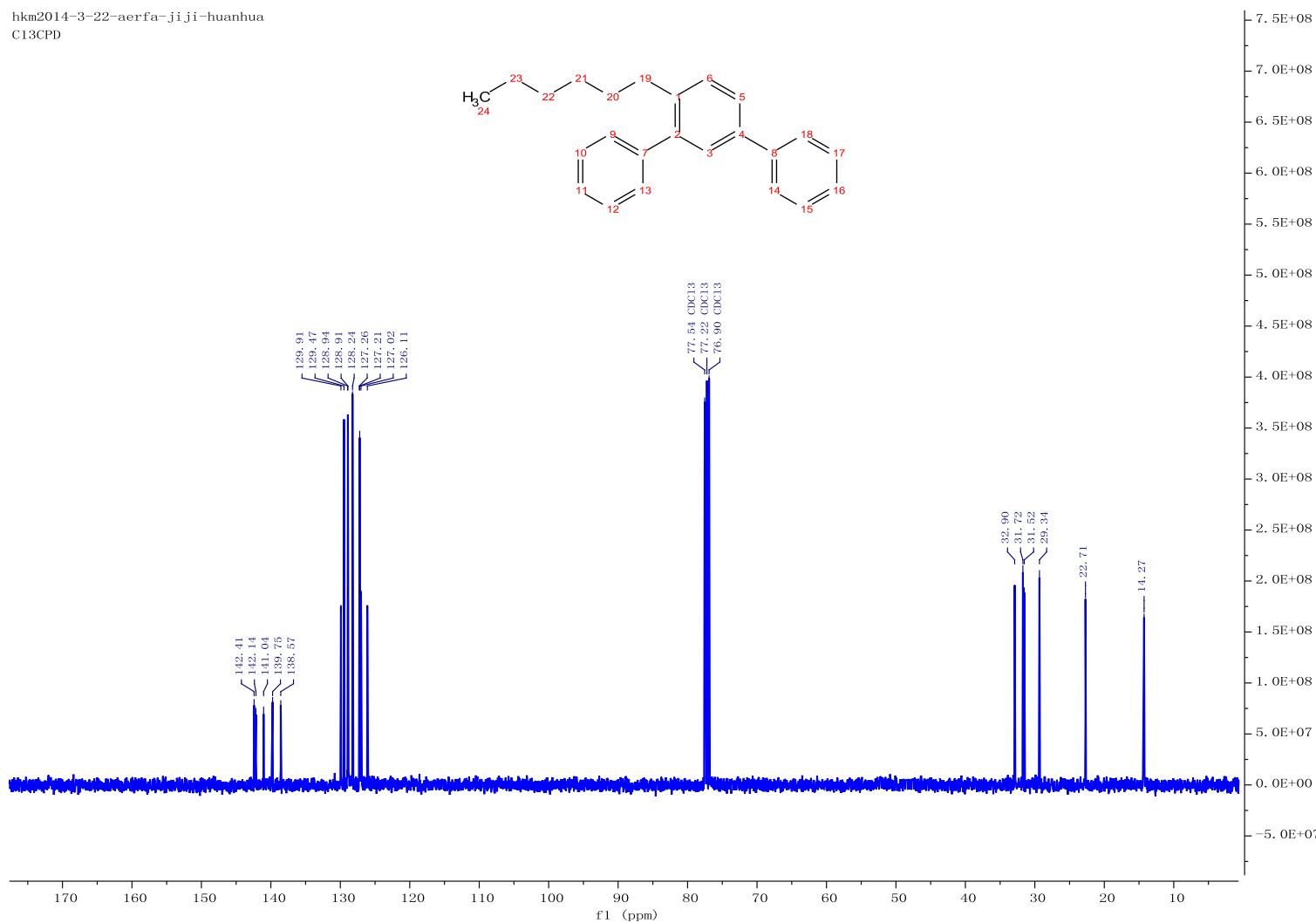
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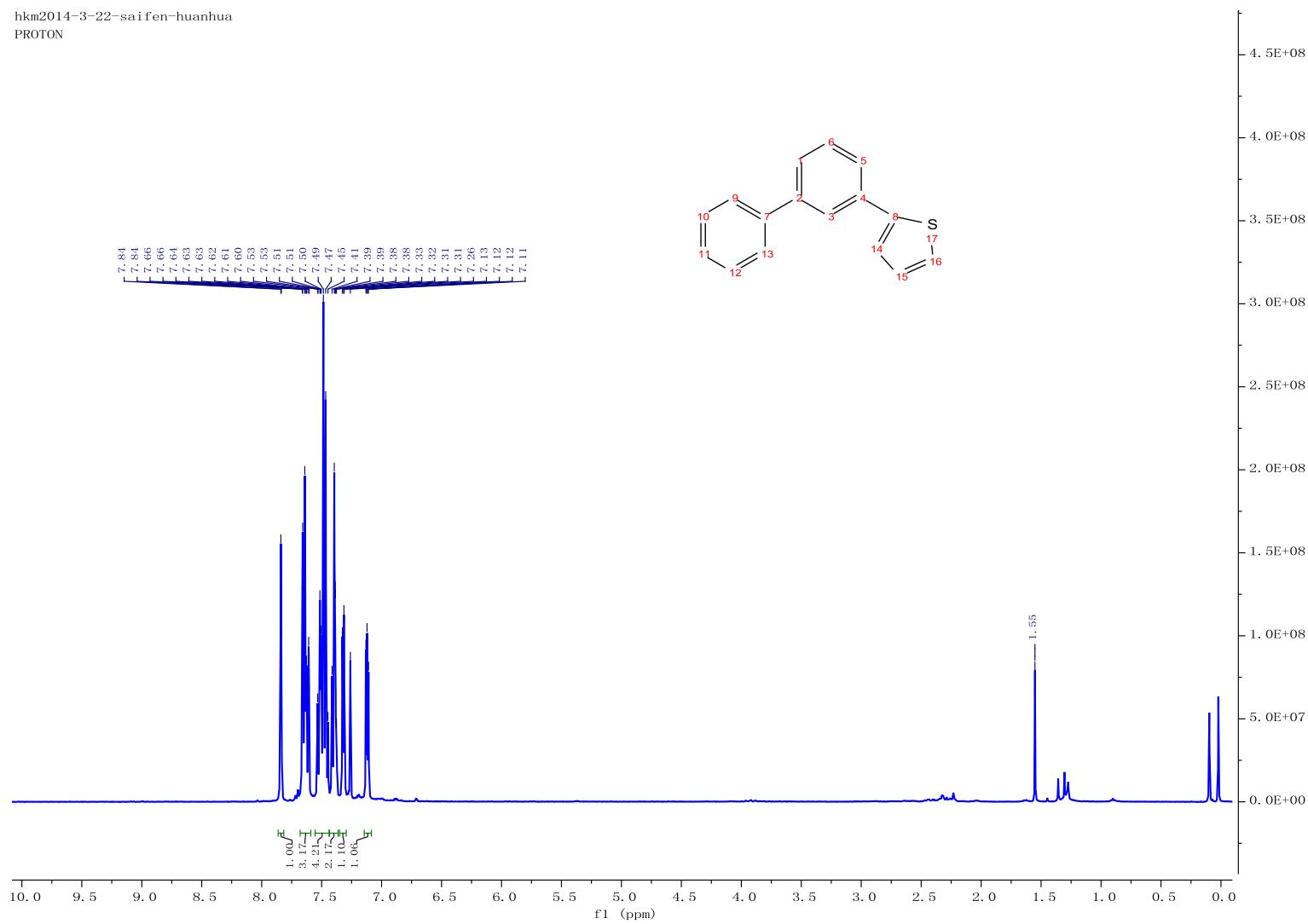
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PROTON



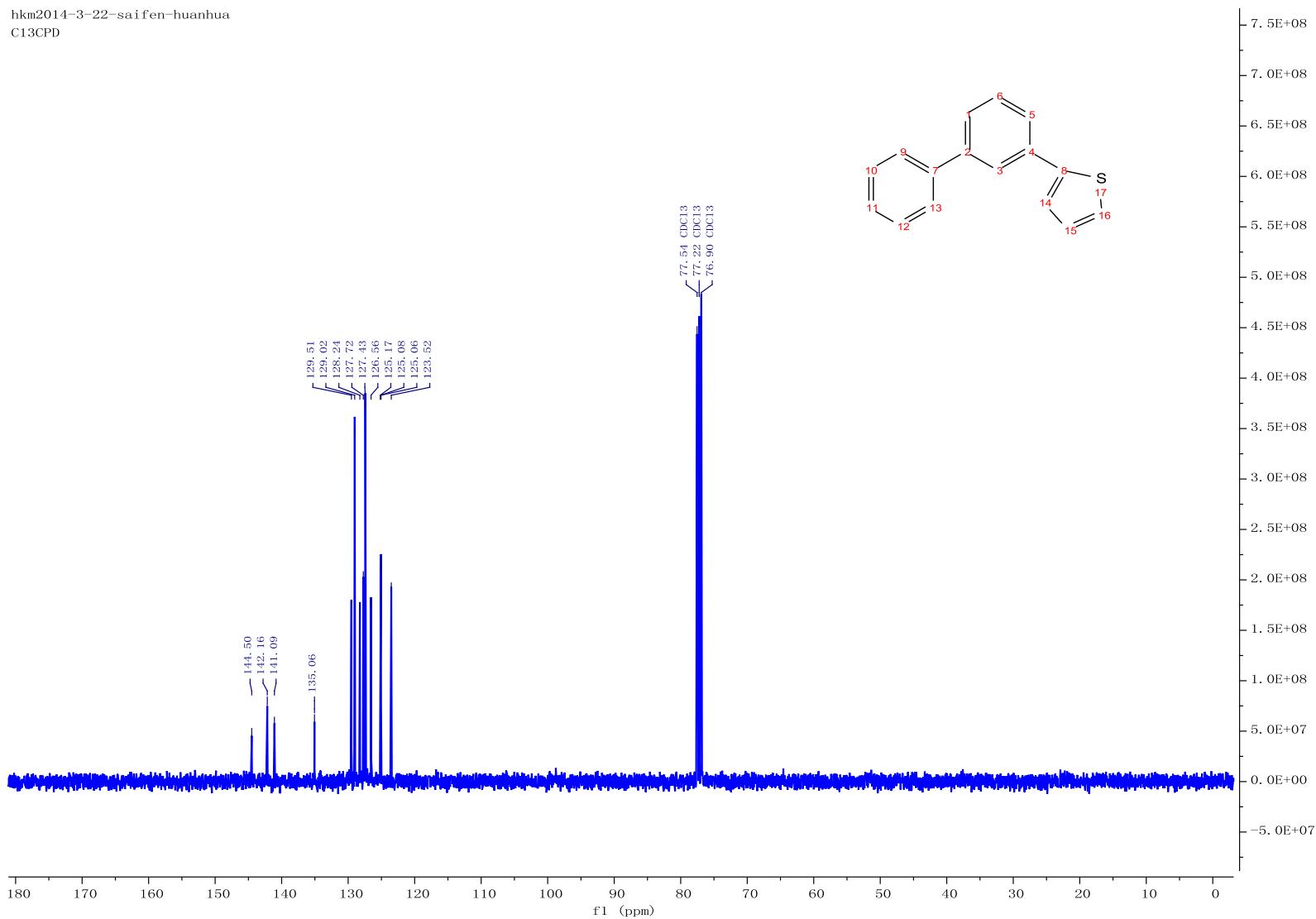
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C13CPD



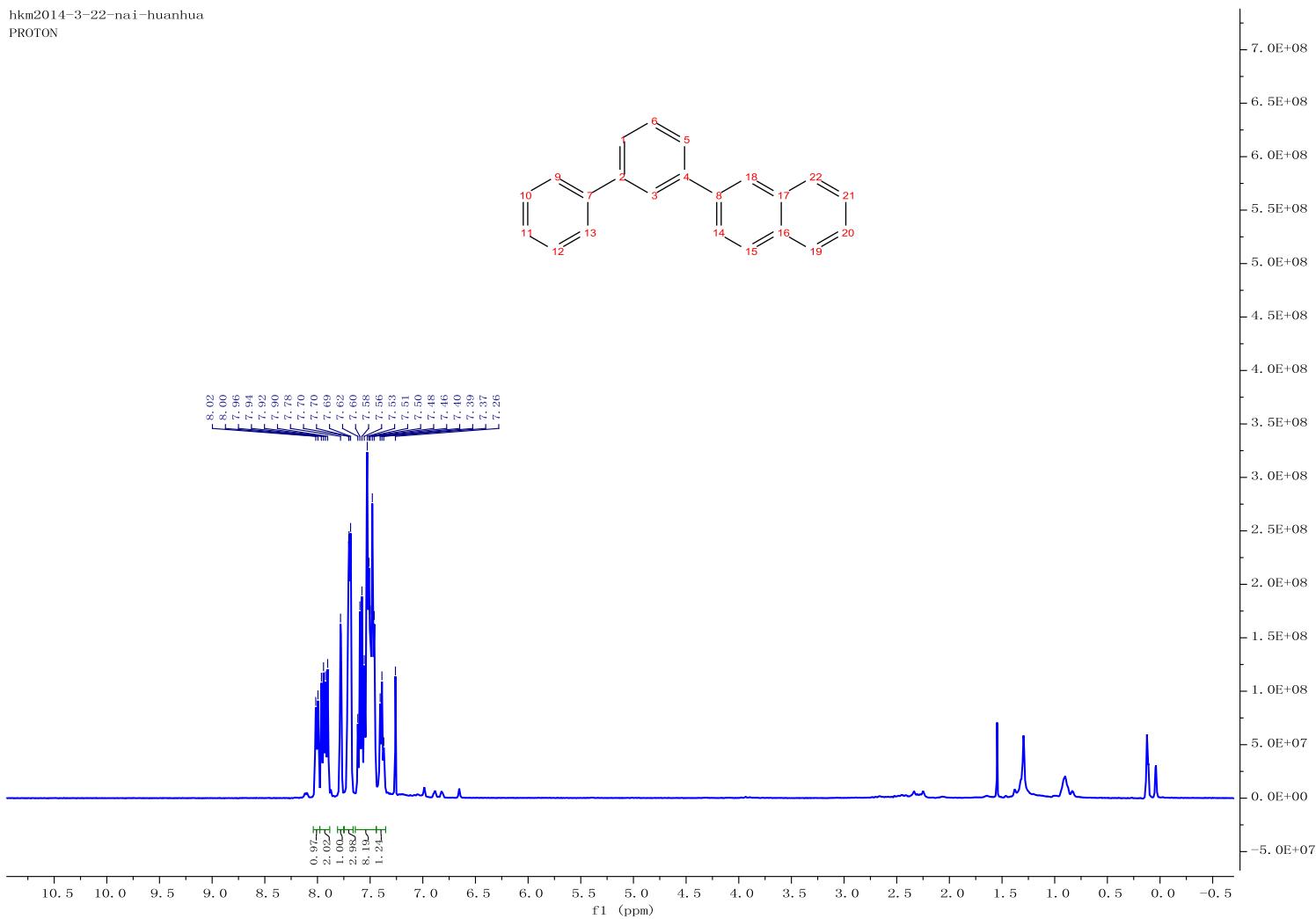
hkm2014-3-22-saifen-huanhua
PROTON



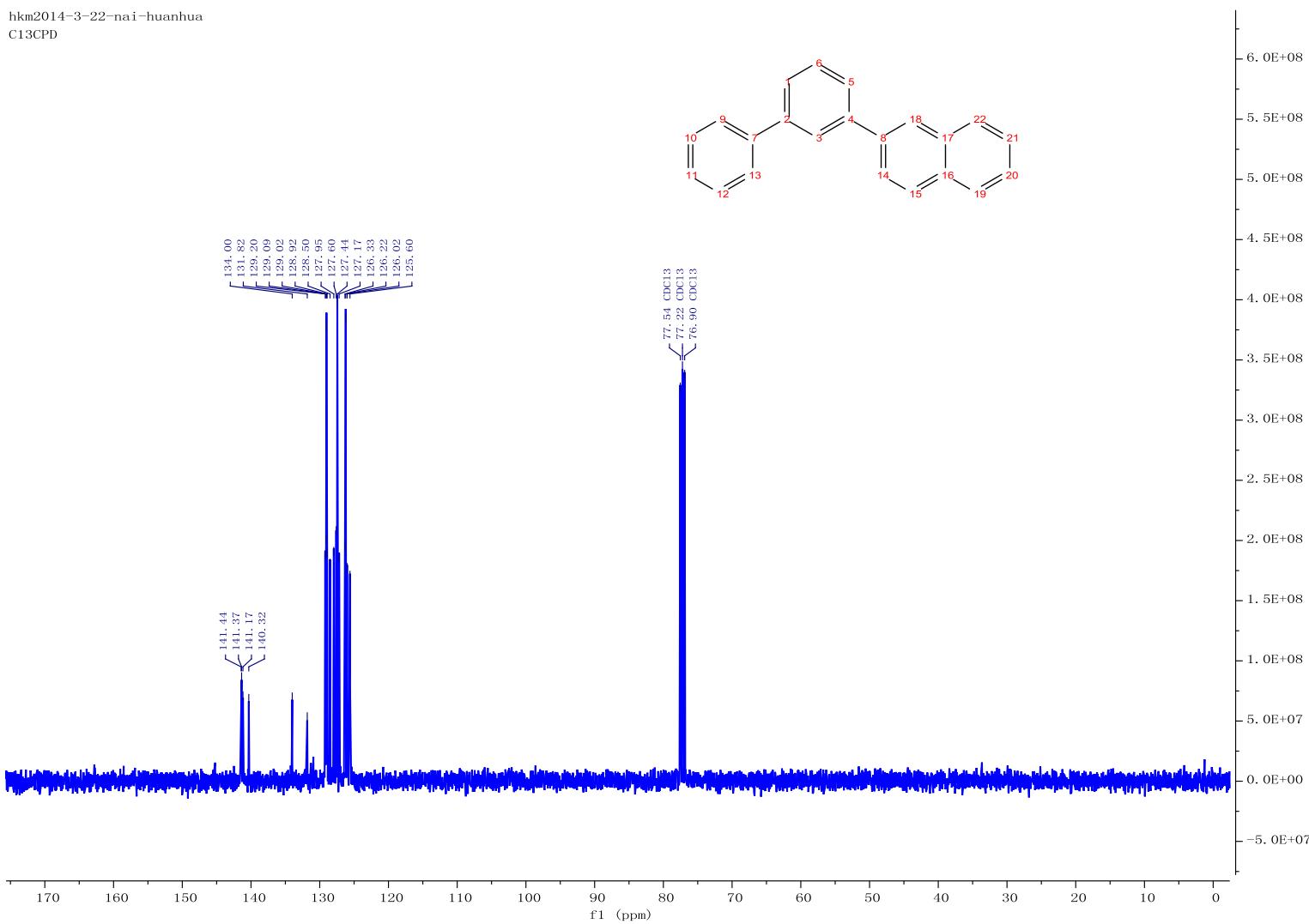
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C13CPD



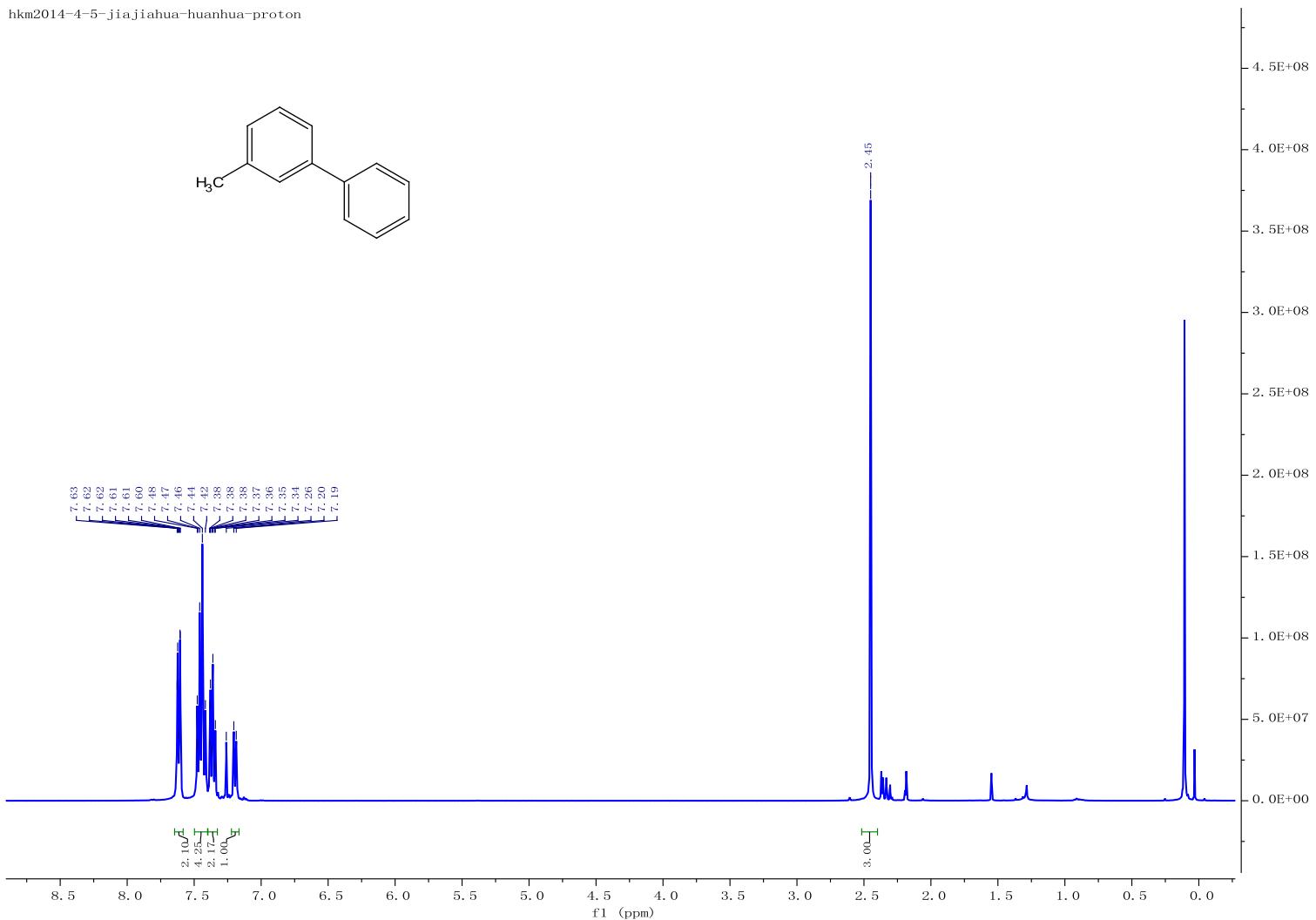
hkm2014-3-22-nai-huanhua
PROTON



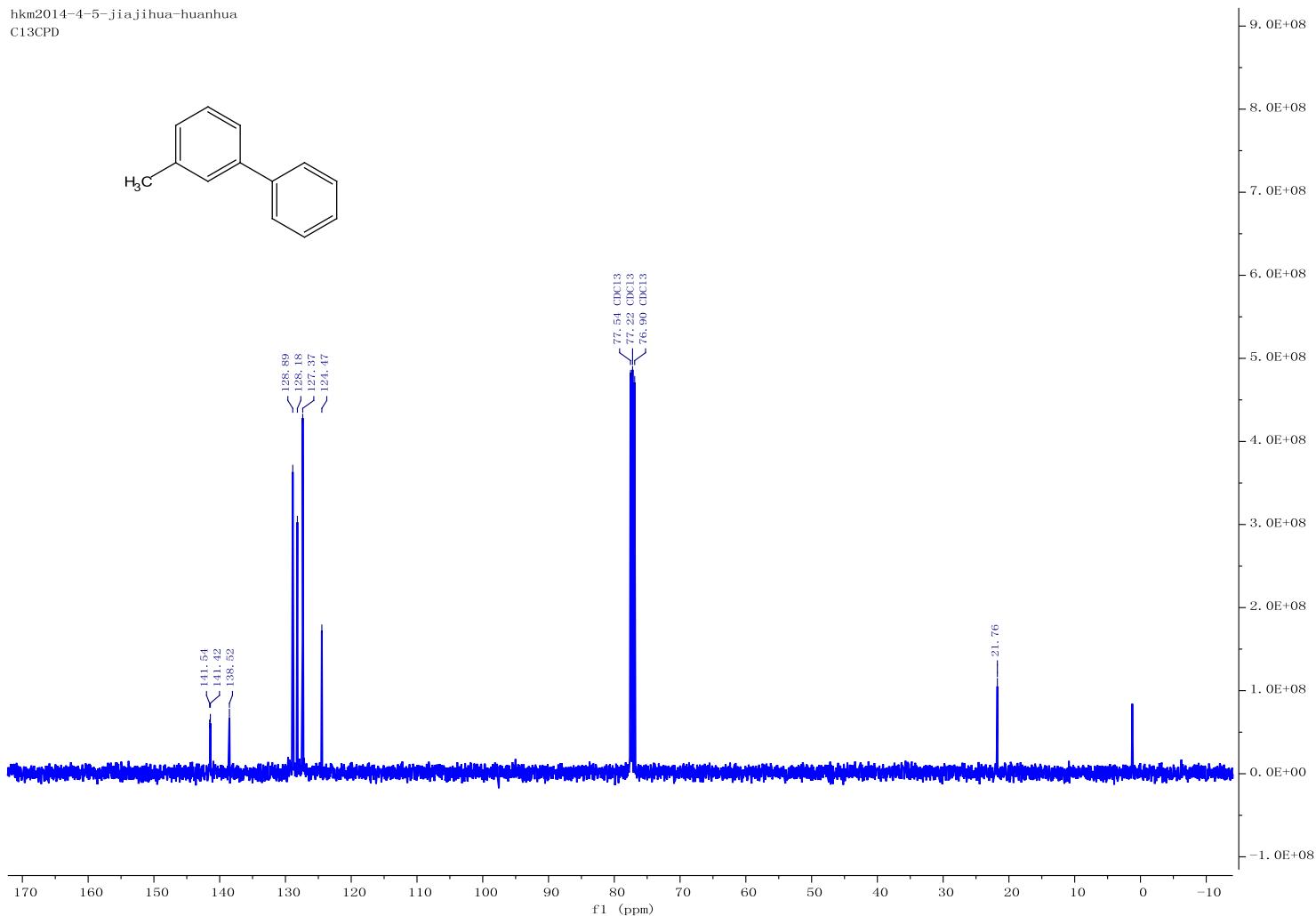
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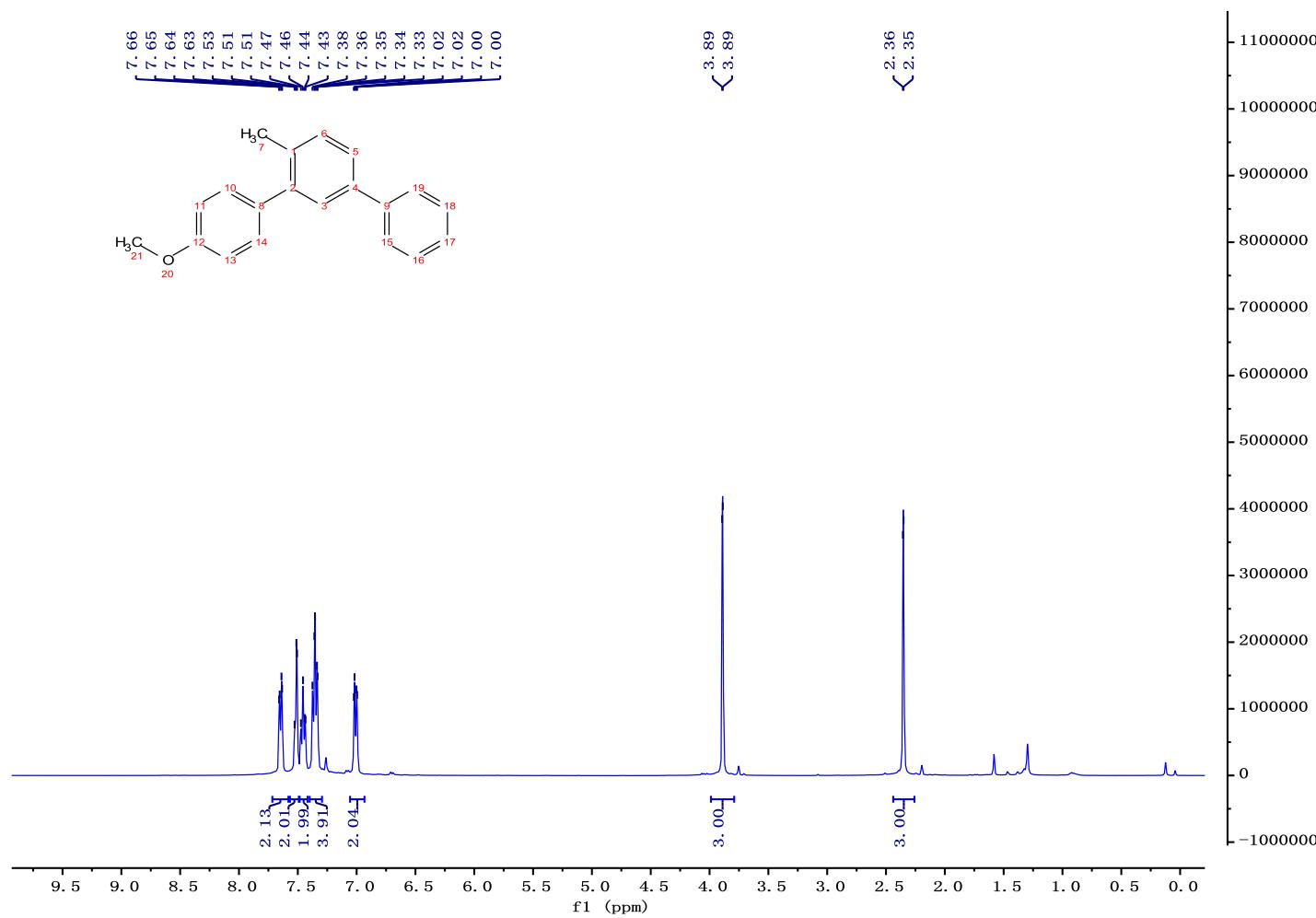


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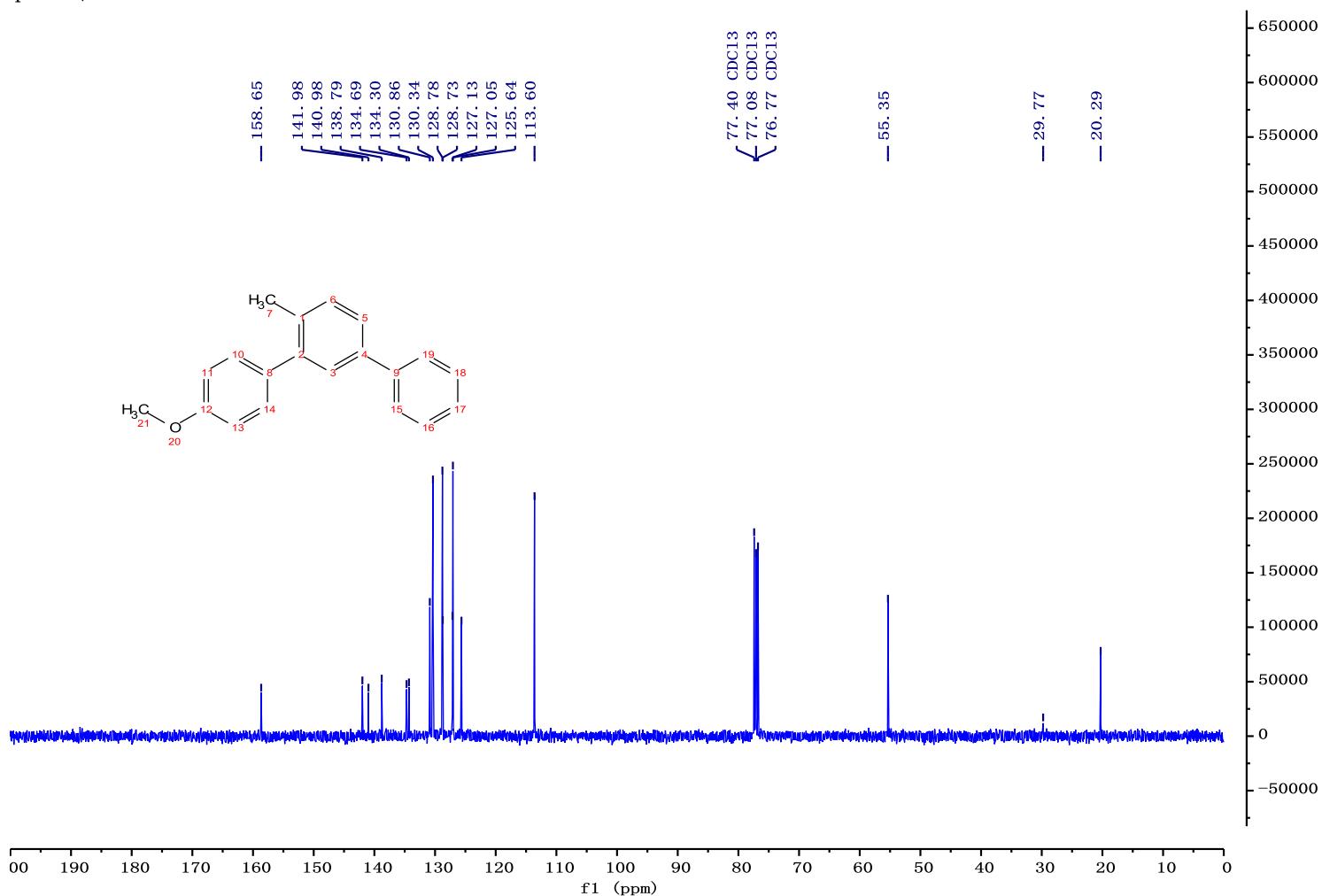


hkm2014-4-5-jiajihua-huanhua
C13CPD

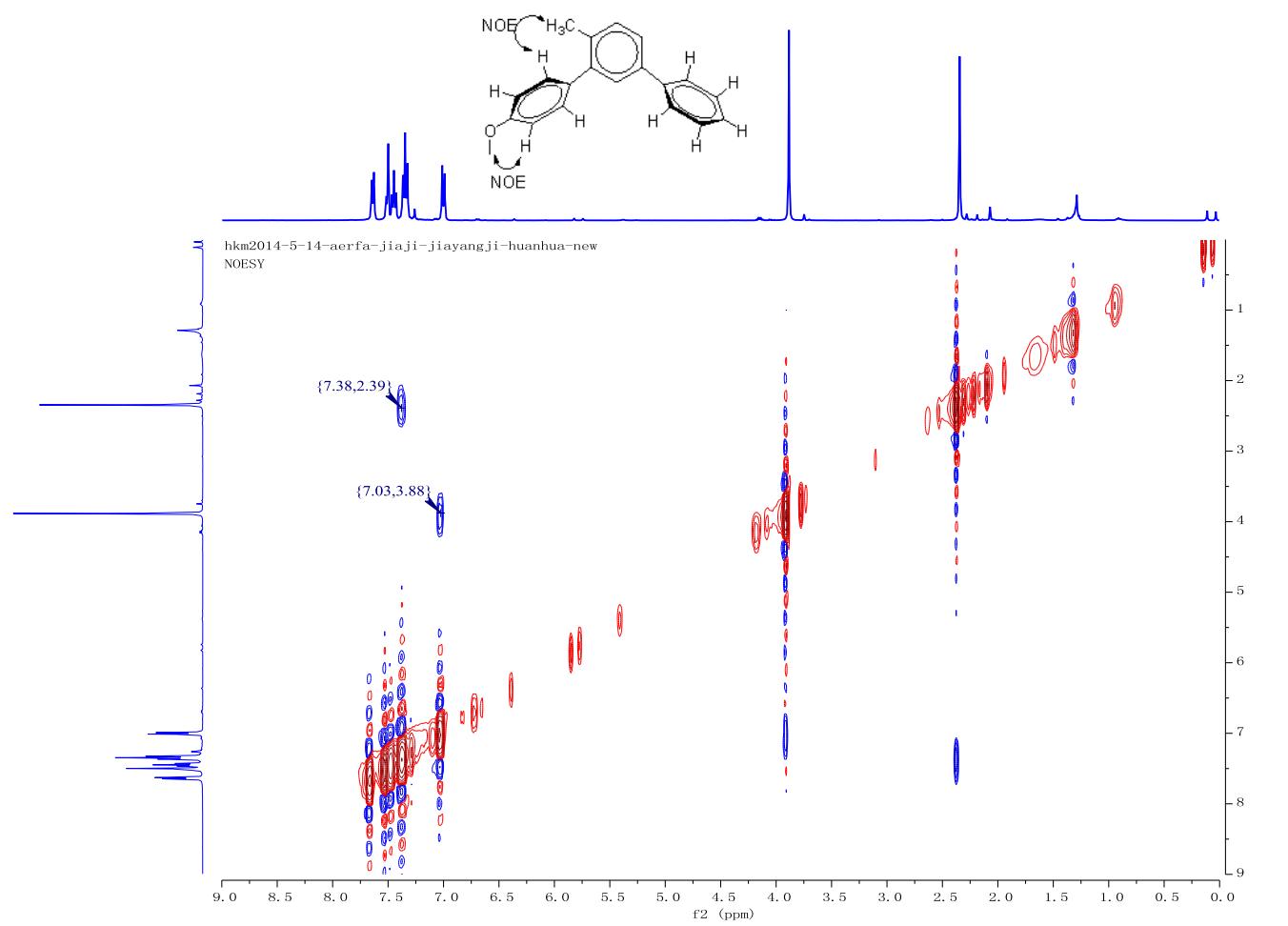




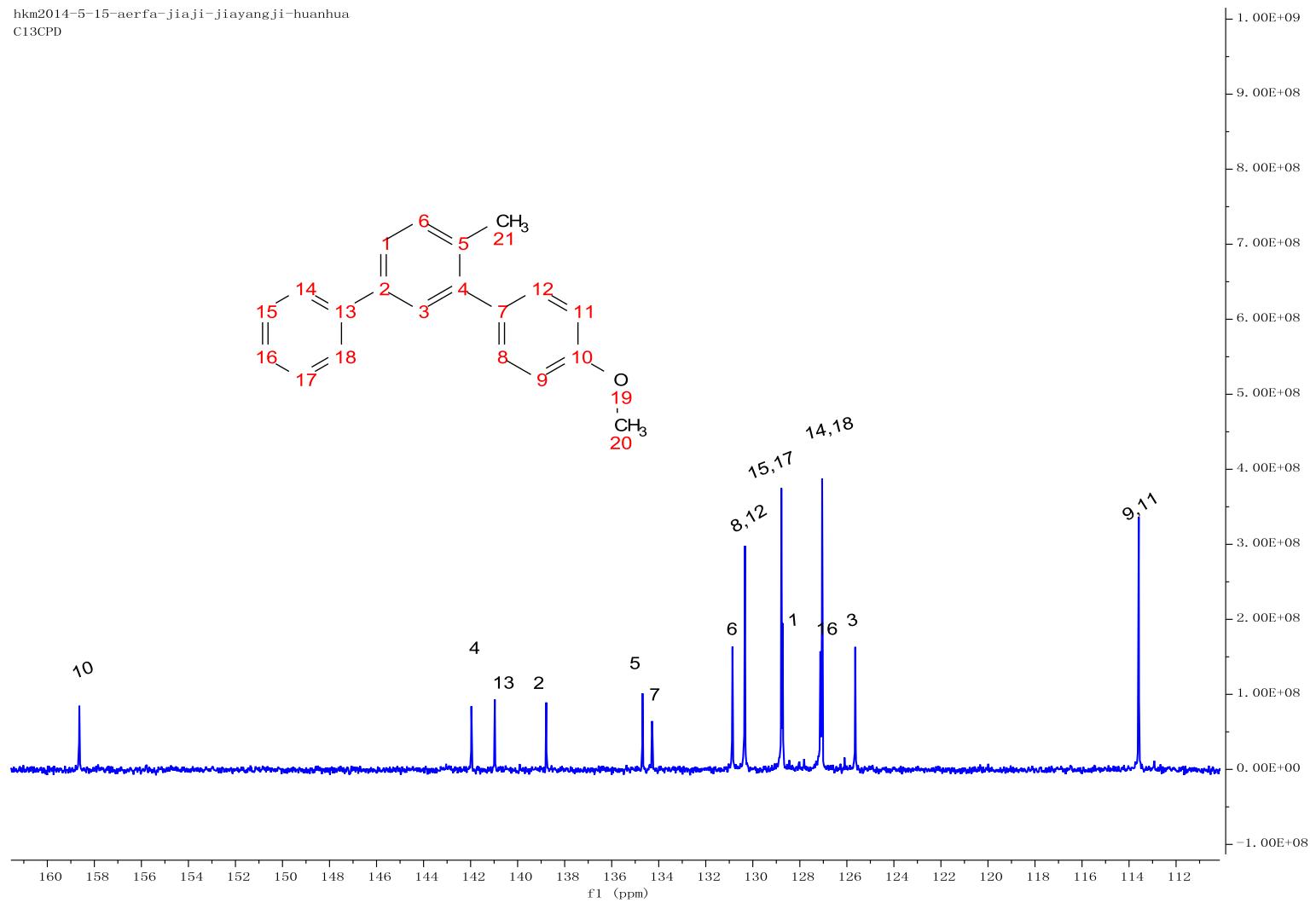
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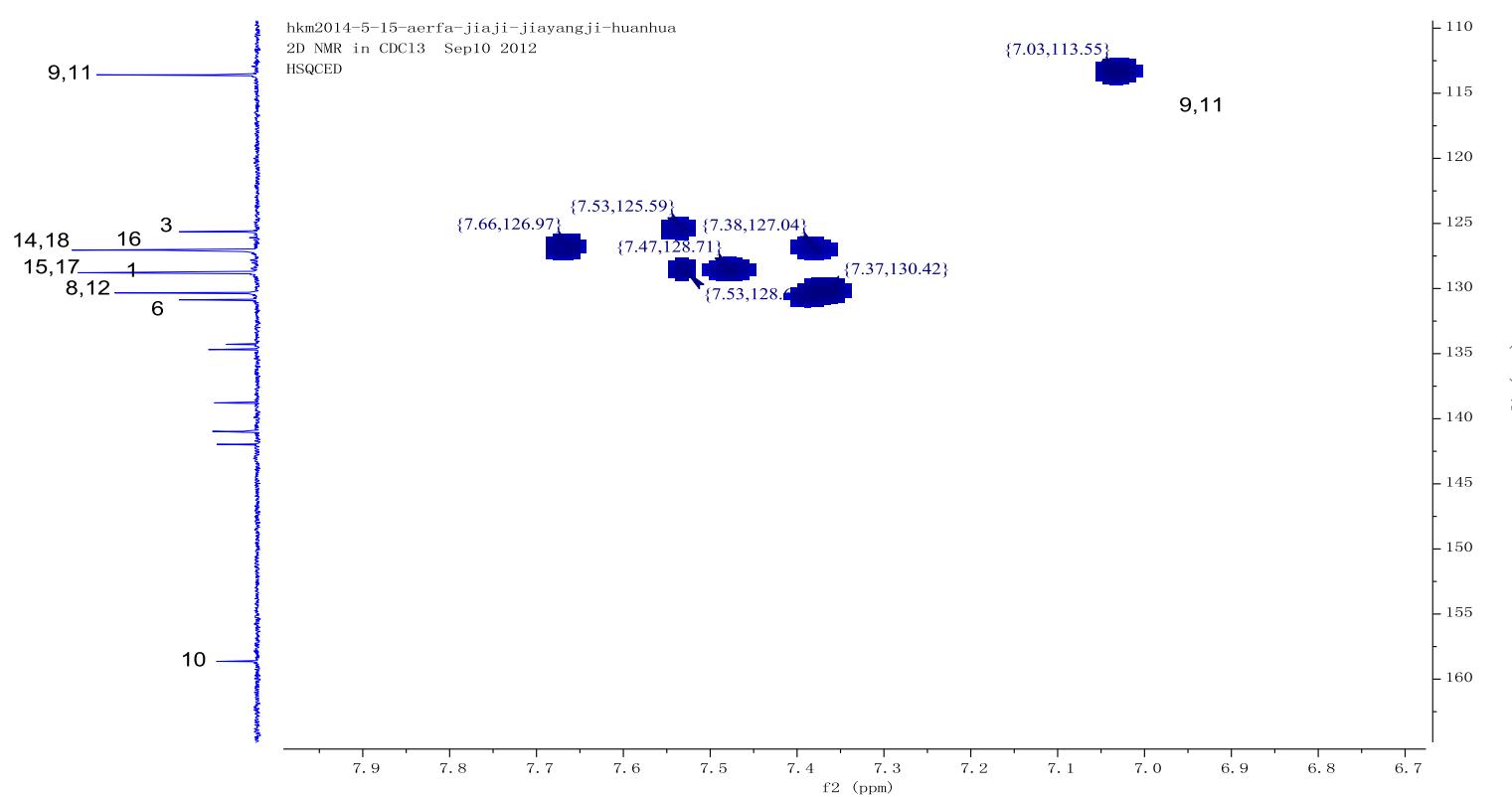
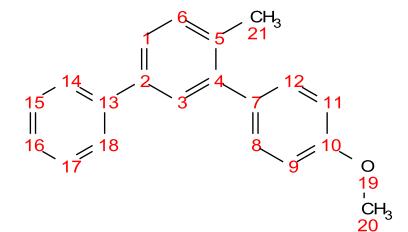


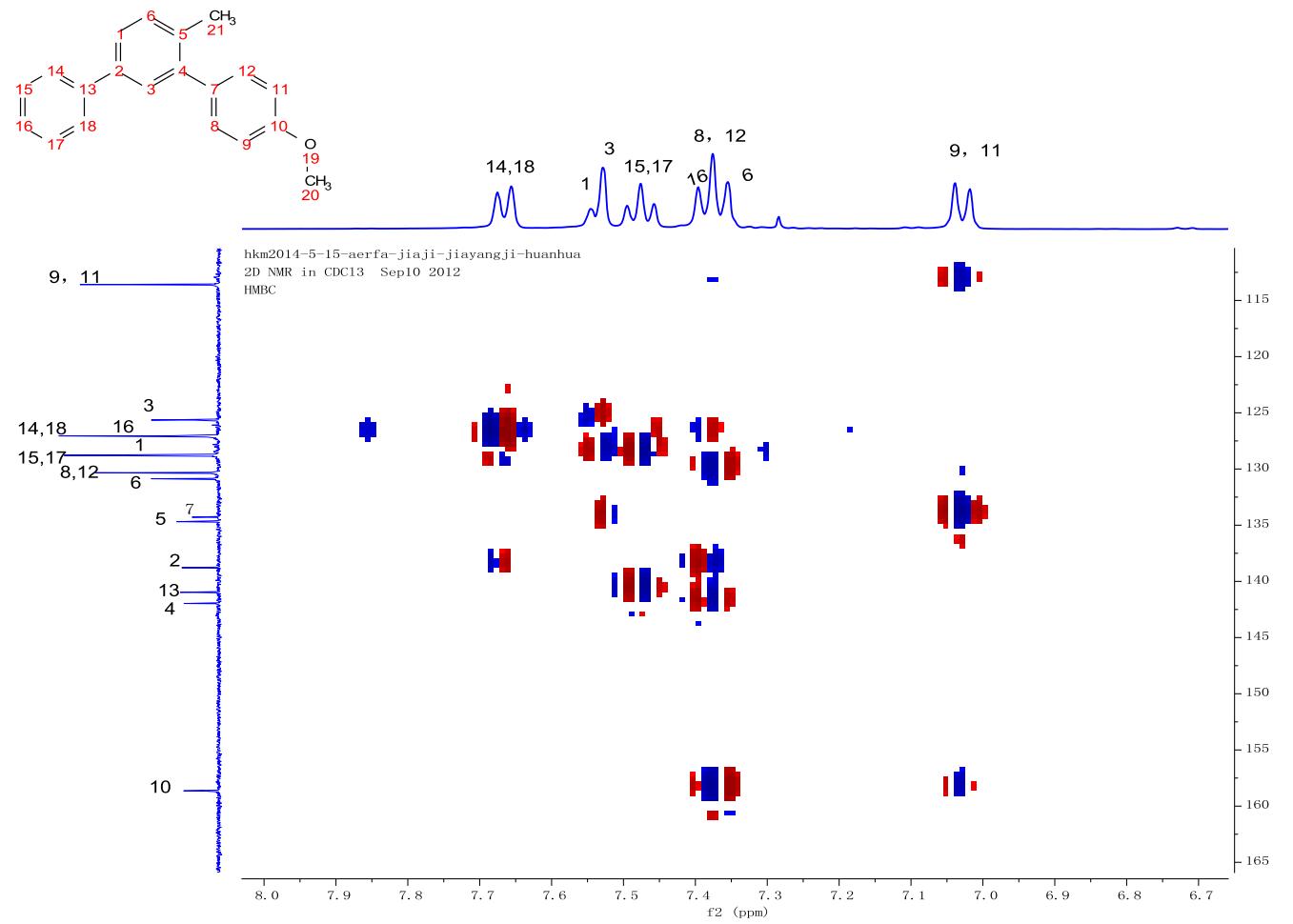
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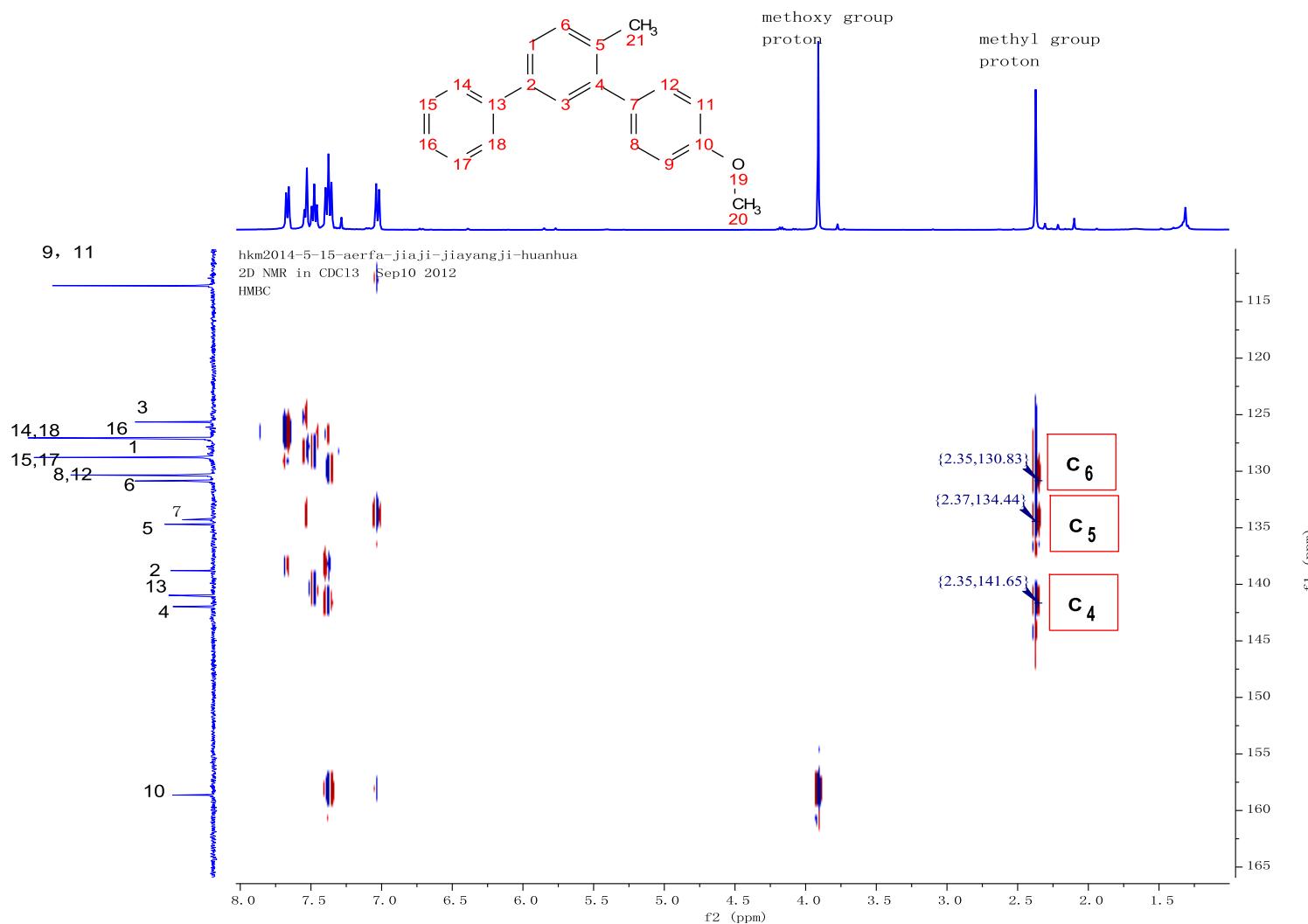
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C13CPD



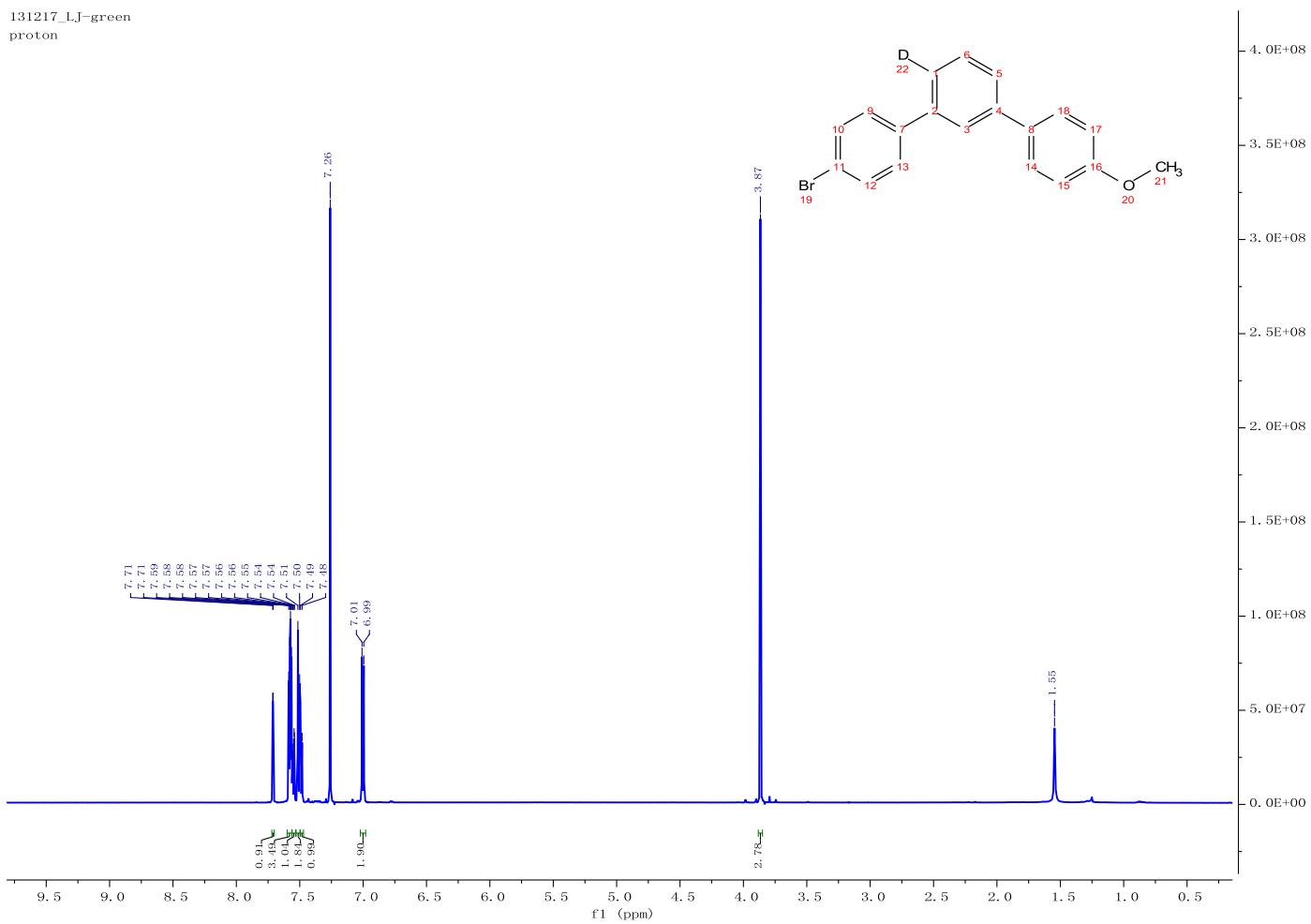




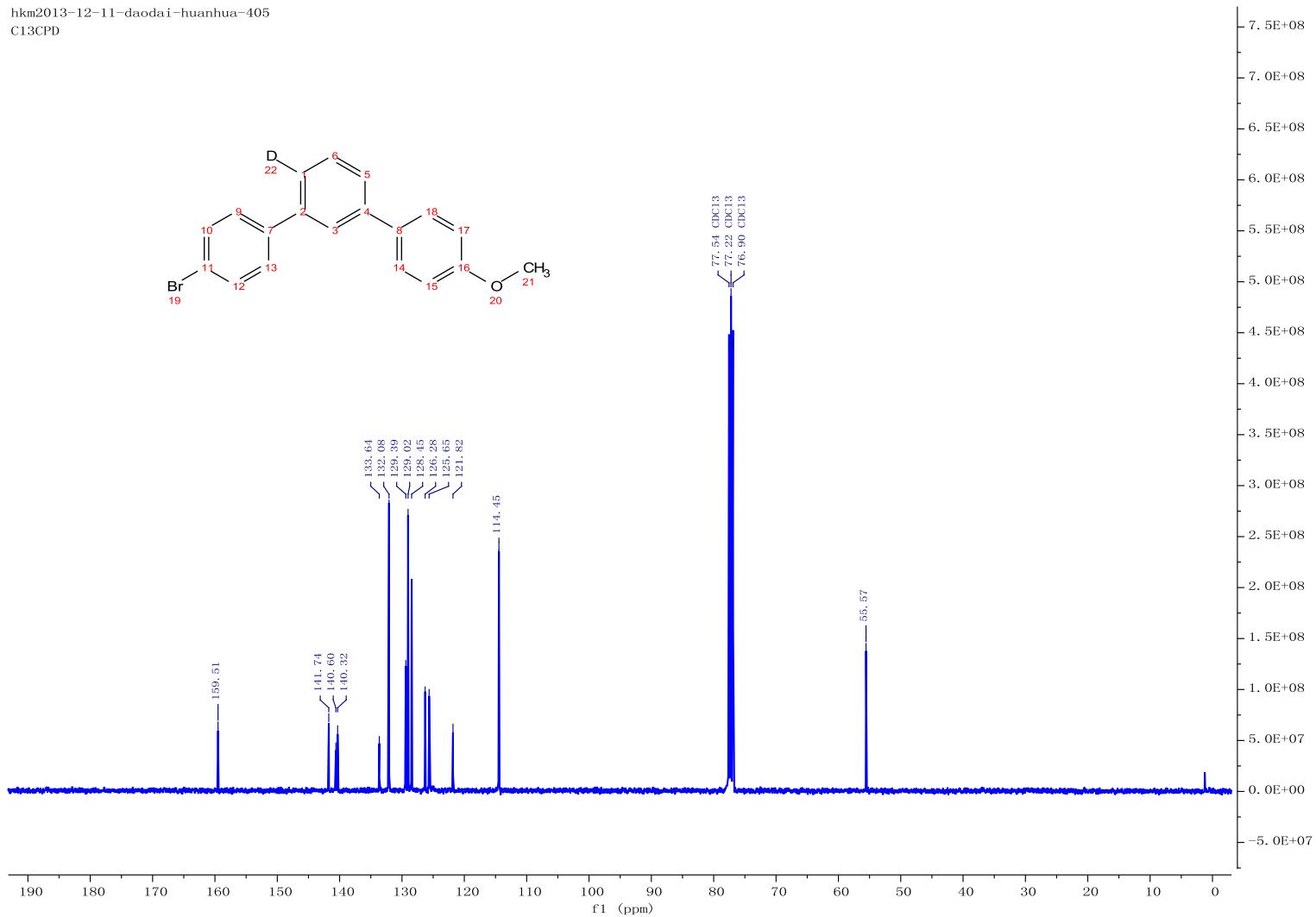
130.42), (7.38 127.04), (7.47 128.71), (7.53 128.66), (7.53 125.59), (7.66 126.97). ^1H - ^{13}C HMBC NMR ((400, 101) MHz, CDCl_3) δ = (2.35 130.57), (2.37 134.44), (2.37 141.67), (3.90 158.37), (7.01 158.37), (7.03 113.29), (7.03 133.98), (7.35 129.96), (7.37 138.44), (7.37 19.99), (7.37 141.76), (7.37 158.36), (7.37 126.87), (7.47 128.49), (7.47 128.49), (7.47 140.68), (7.49 128.52), (7.52 127.83), (7.53 134.11), (7.66 138.53), (7.68 126.79).



131217_LJ-green
proton



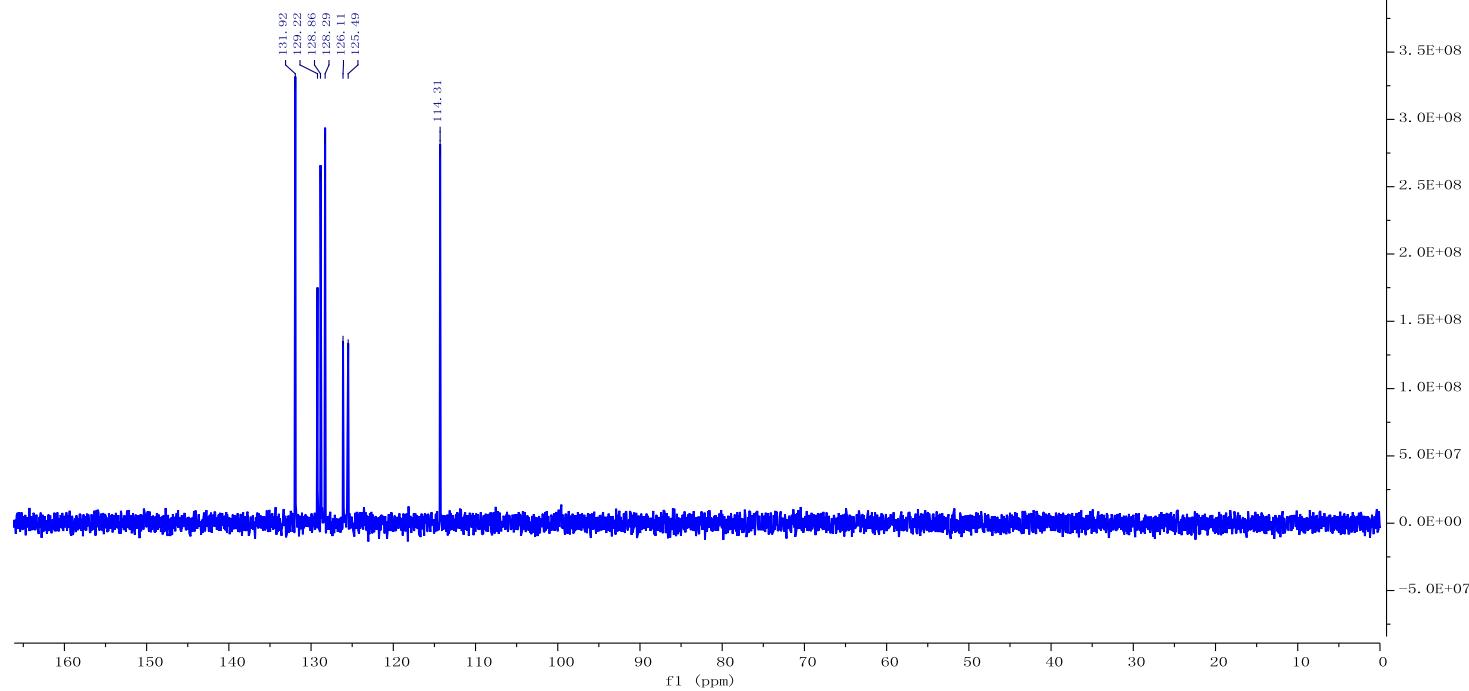
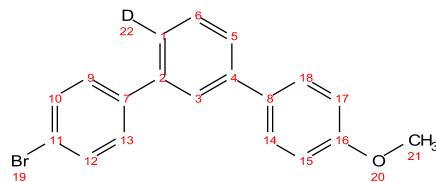
hkm2013-12-11-daoda i-huanhua-405
C13CPD

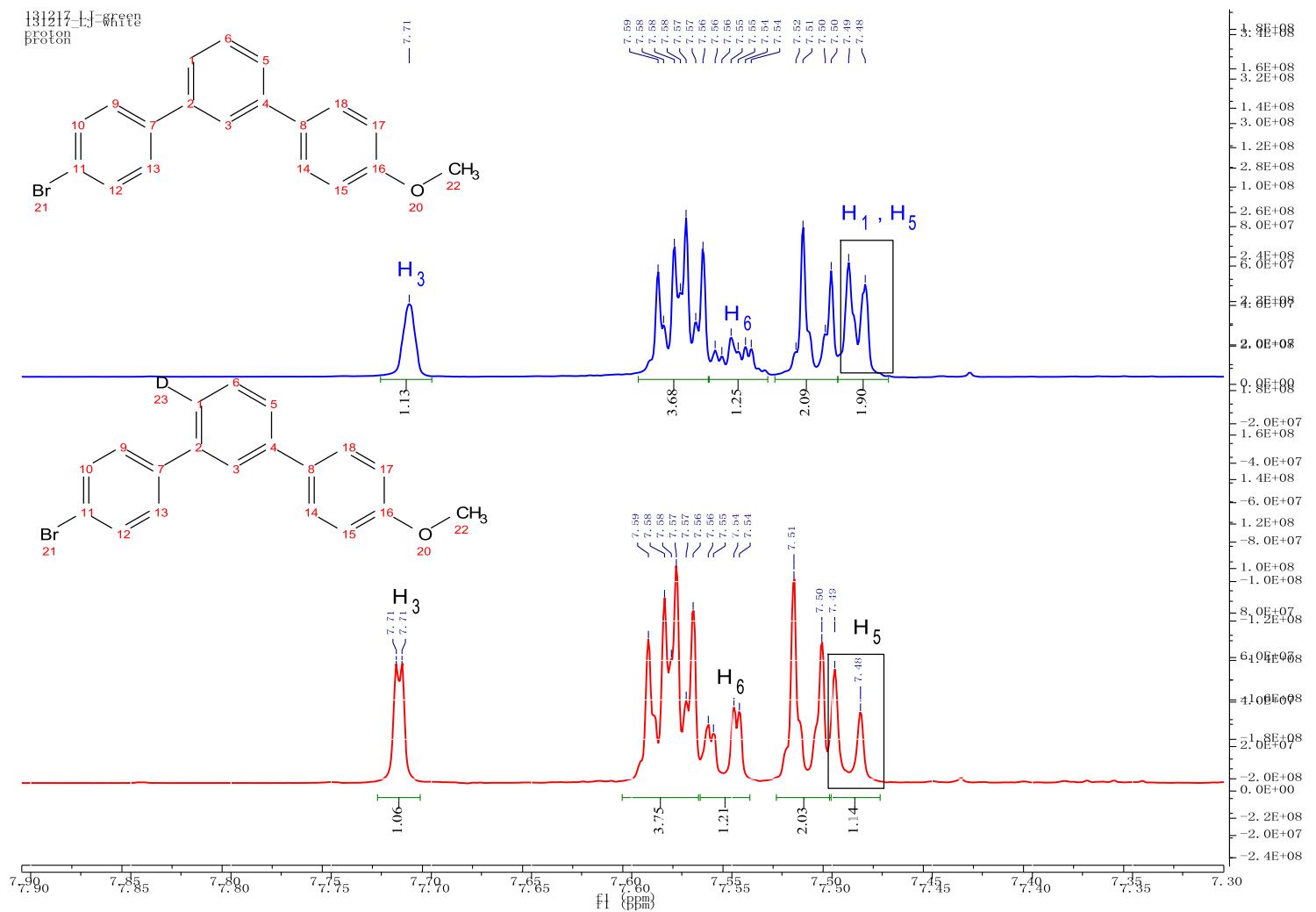


DEPT 90

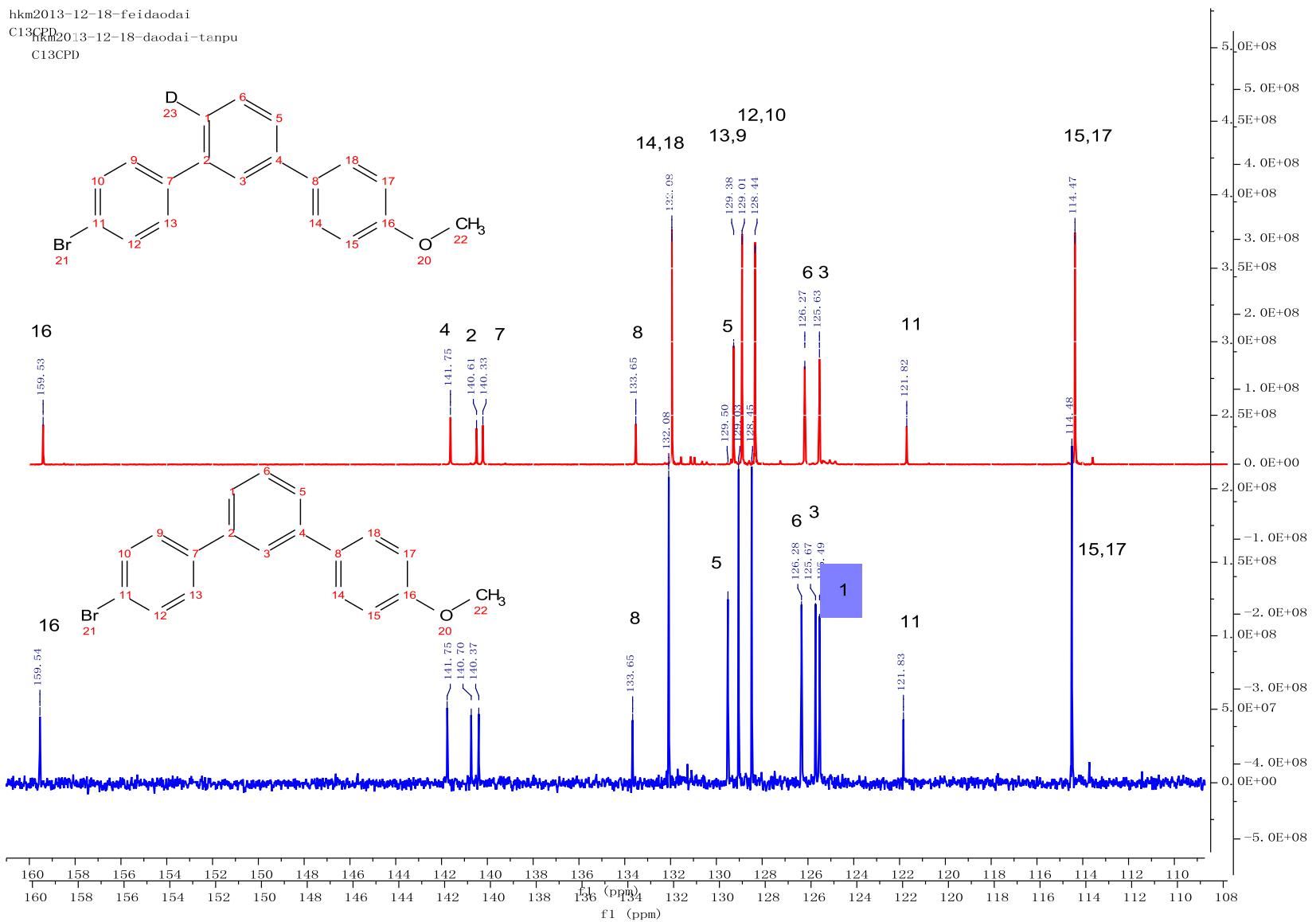
DEPT 90

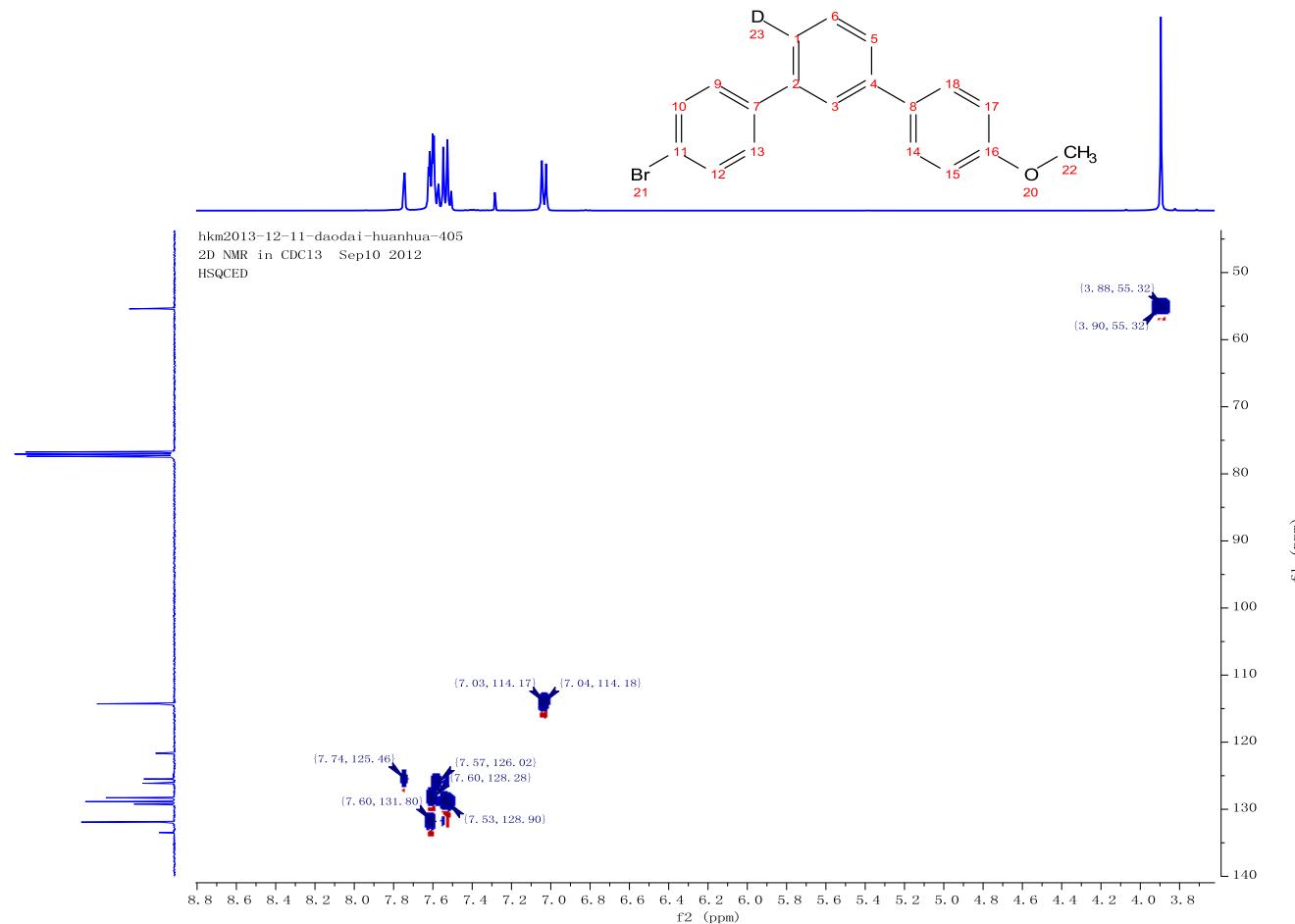
¹³C NMR (101 MHz, CDCl₃) δ 131.92, 129.22, 128.86, 128.29, 126.11, 125.49, 114.31.



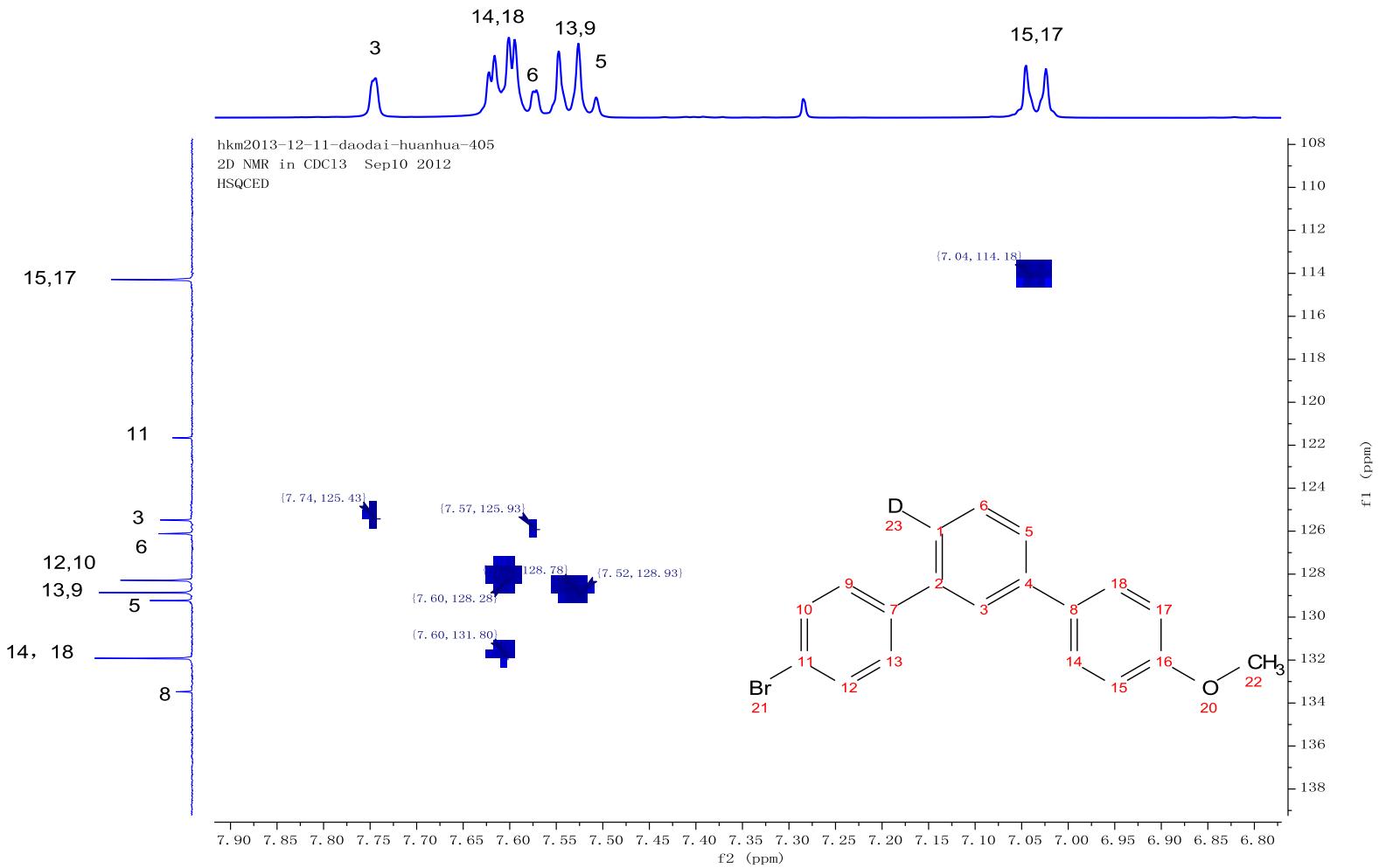


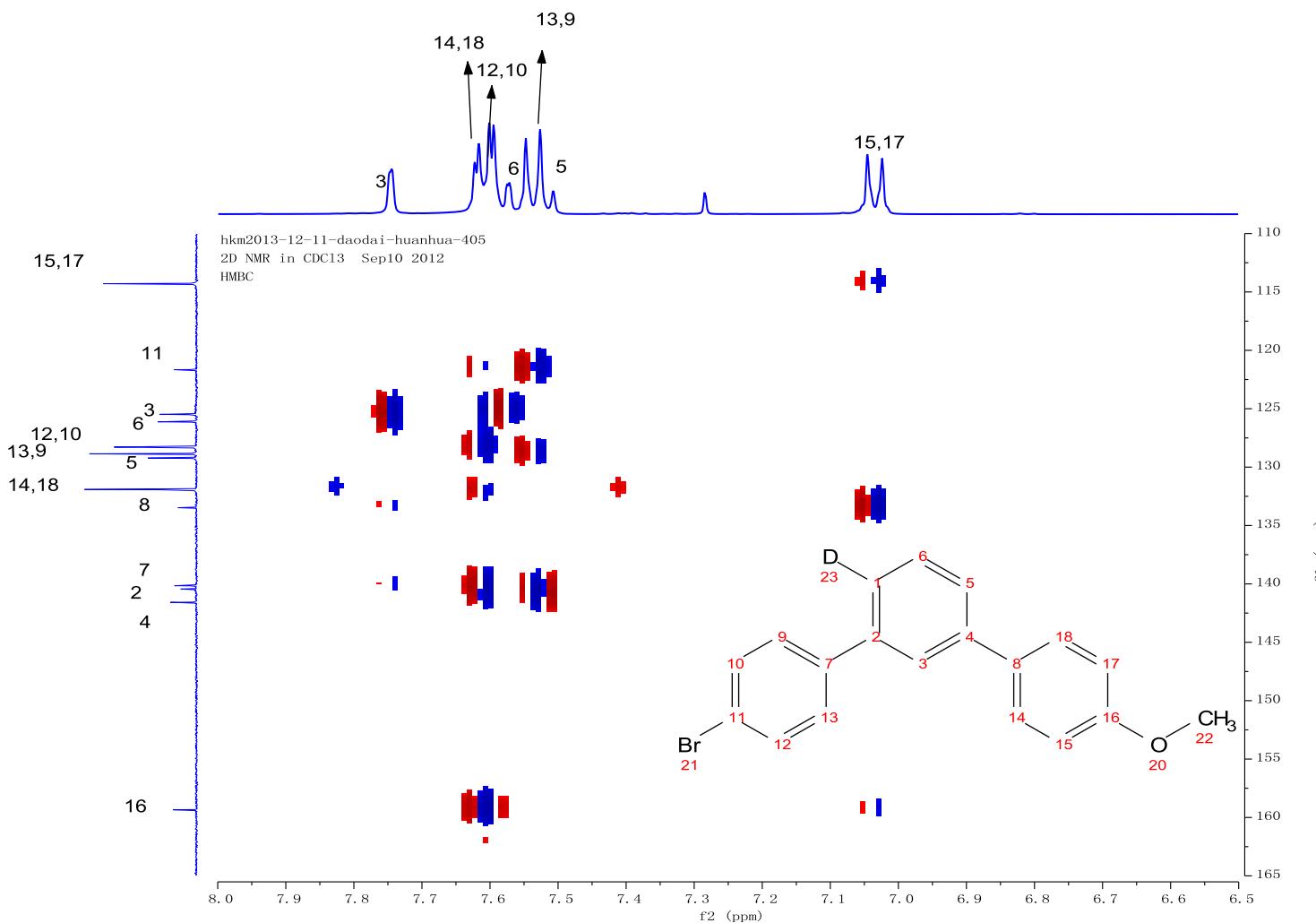
hkm2013-12-18-feidaodai
C13CPD
hkm2013-12-18-daodai-tanpu
C13CPD

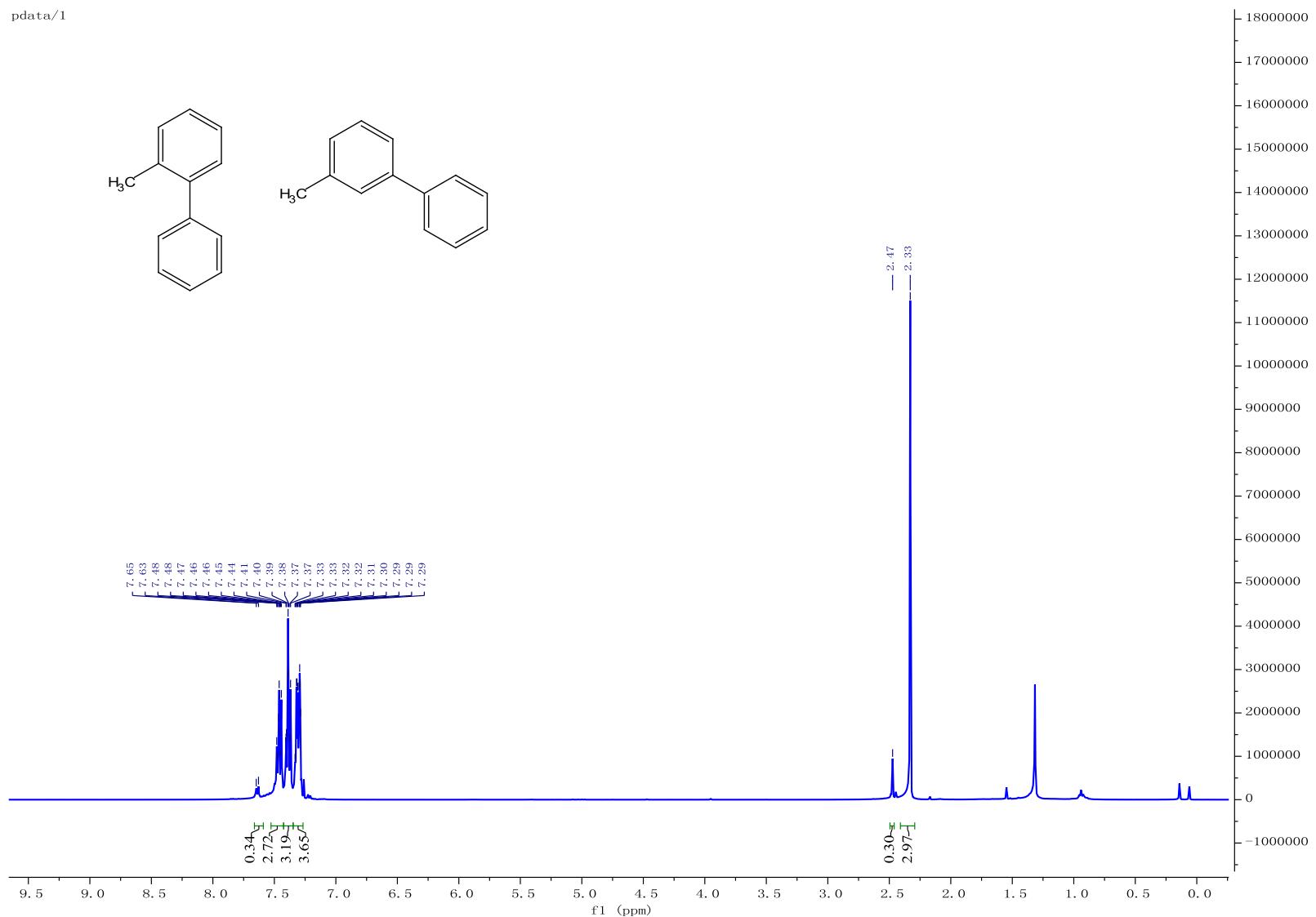




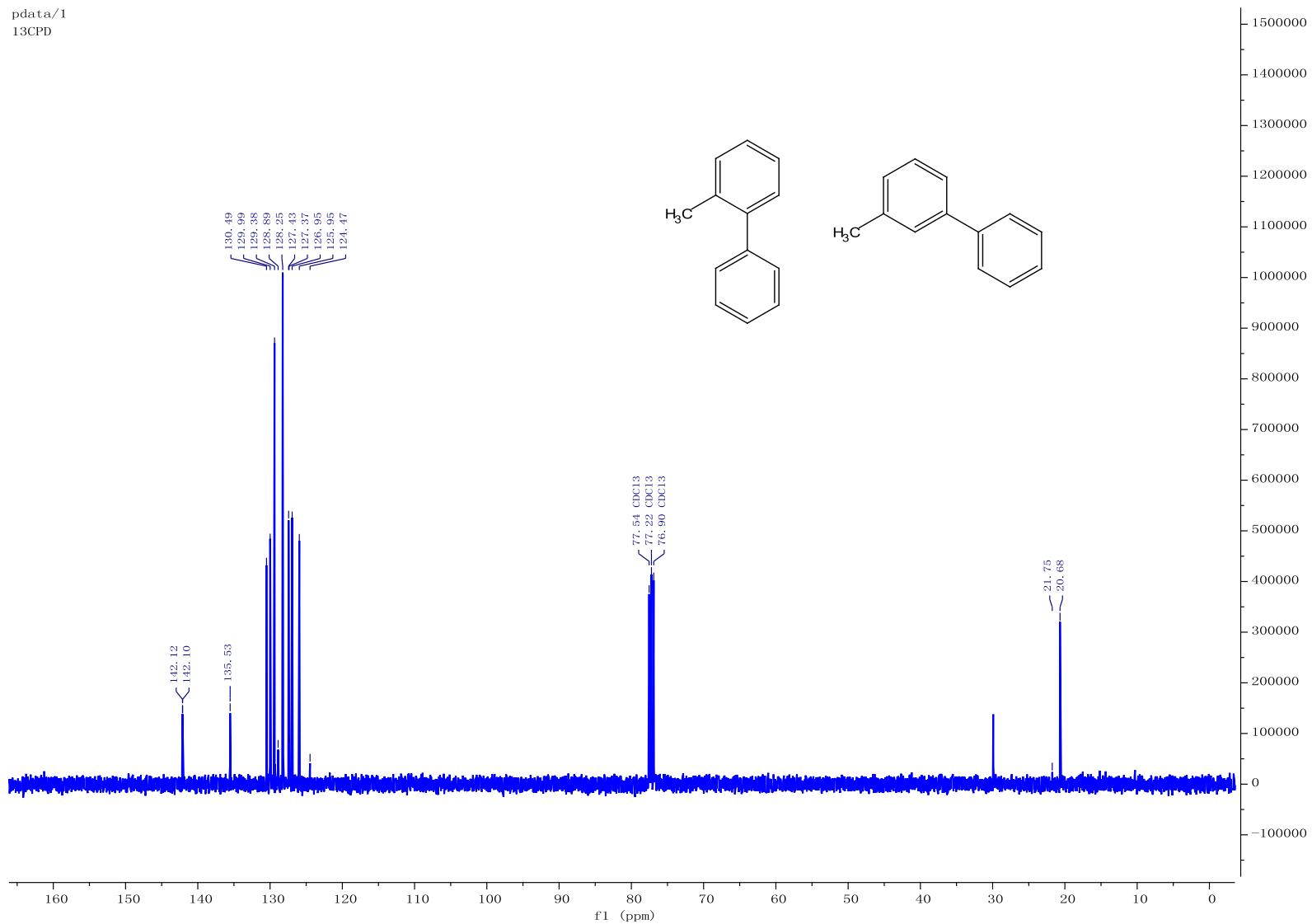
^1H - ^{13}C HSQC NMR ((400, 101) MHz, CDCl_3) δ = (3.88 55.37), (7.04 114.18), (7.52 128.93), (7.53 128.78), (7.57 125.93), (7.60 131.80), (7.60 128.28), (7.74 125.43). ^1H - ^{13}C HMBC NMR ((400, 101) MHz, CDCl_3) δ = (3.89 159.07), (3.90 159.07), (7.03 133.18), (7.05 133.19), (7.50 140.67), (7.53 140.55), (7.58 124.93), (7.60 140.37), (7.60 159.07), (7.62 140.14), (7.74 125.27), (7.76 125.27).





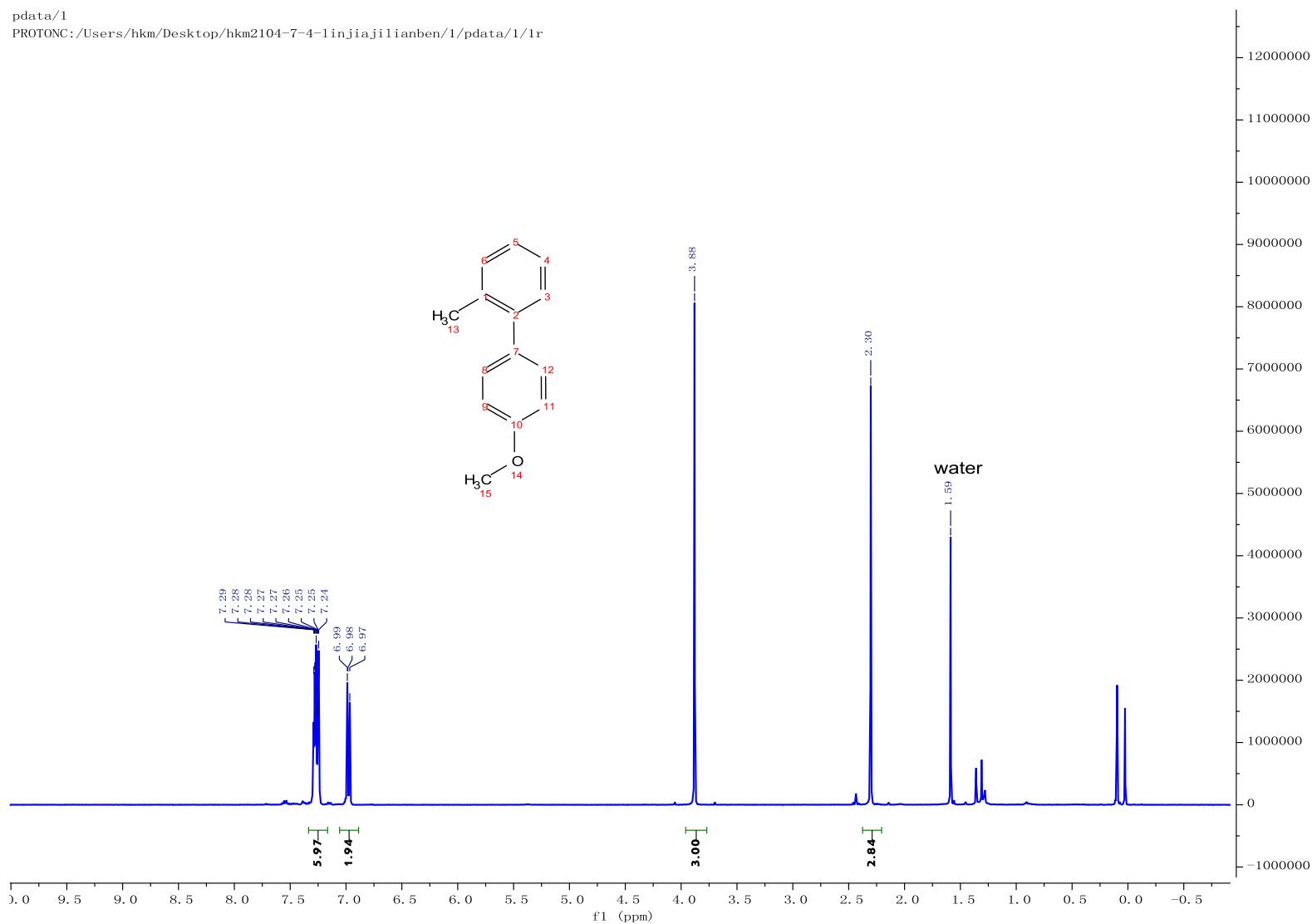


pdata/1
13CPD



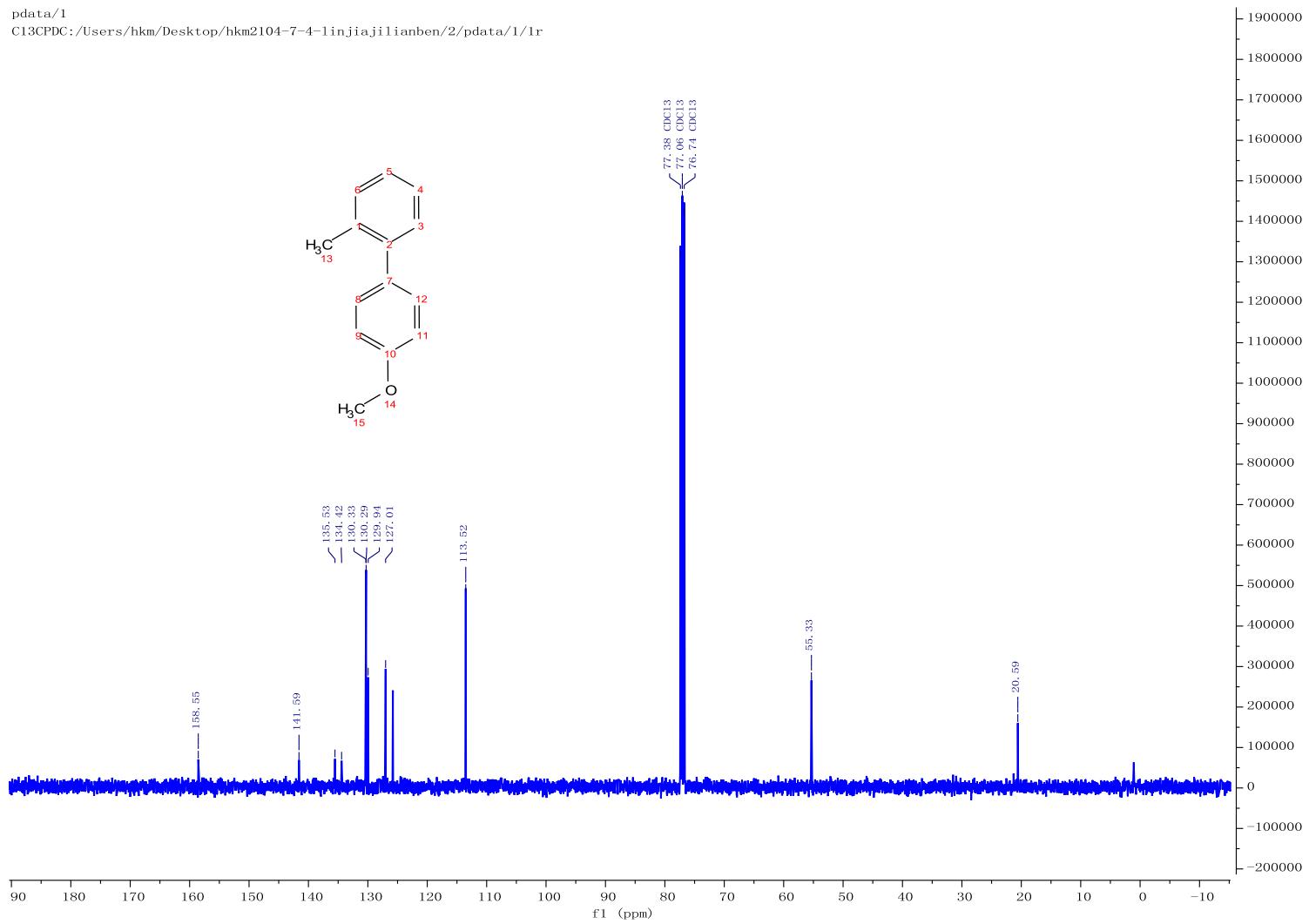
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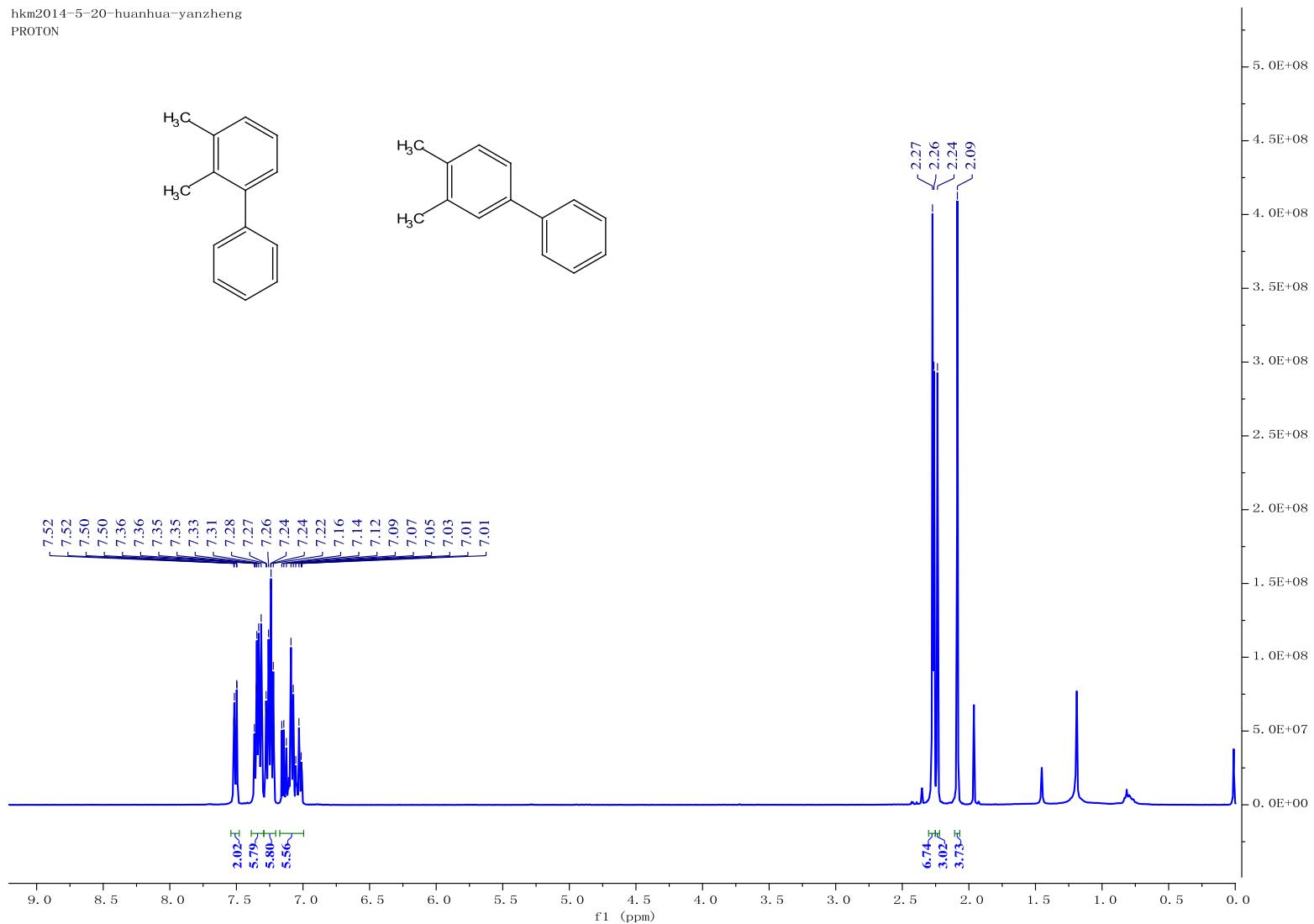


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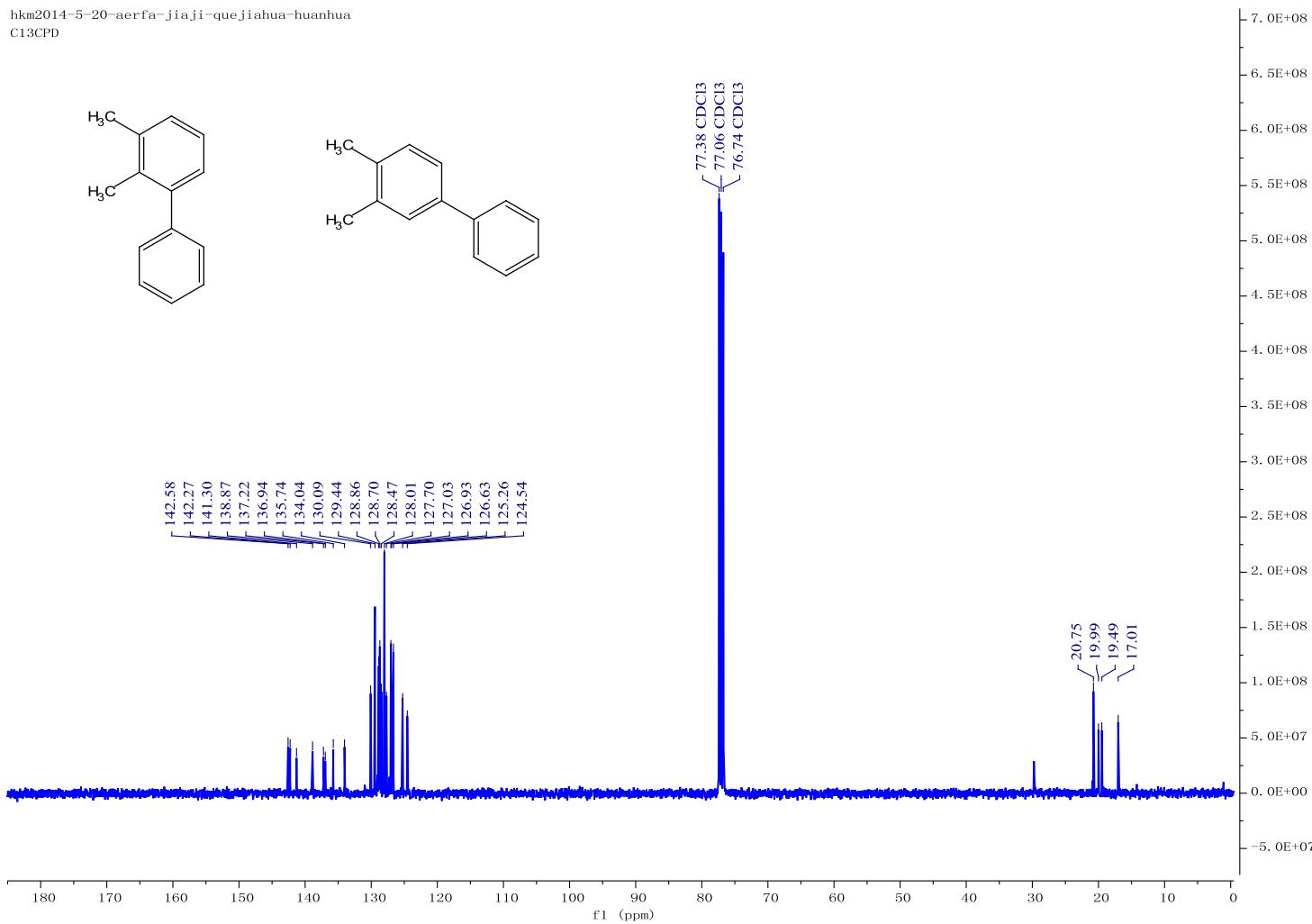
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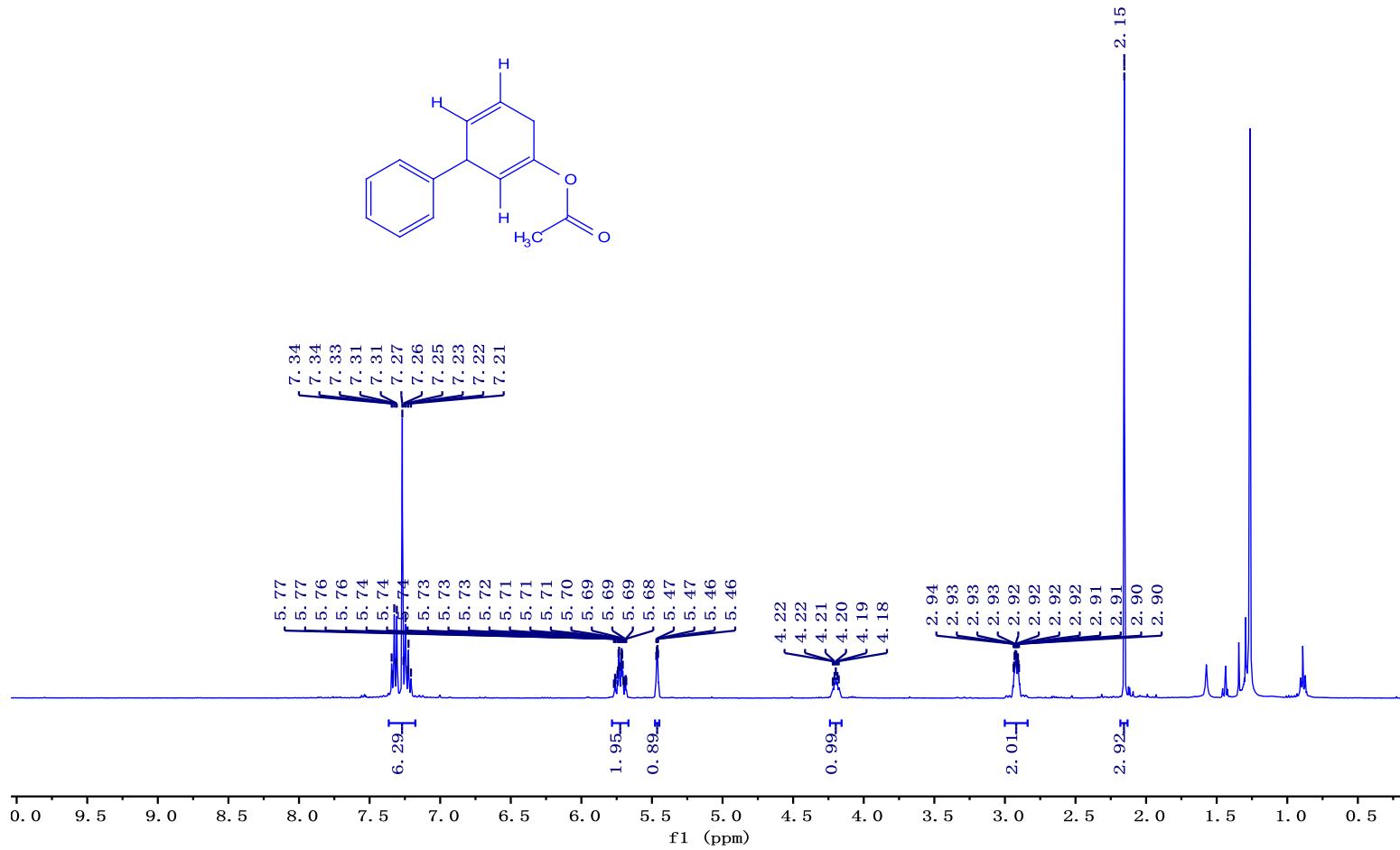
hkm2014-5-20-huanhua-yanzheng
PROTON



hkm2014-5-20-aerfa-jiaji-quejiahua-huanhua
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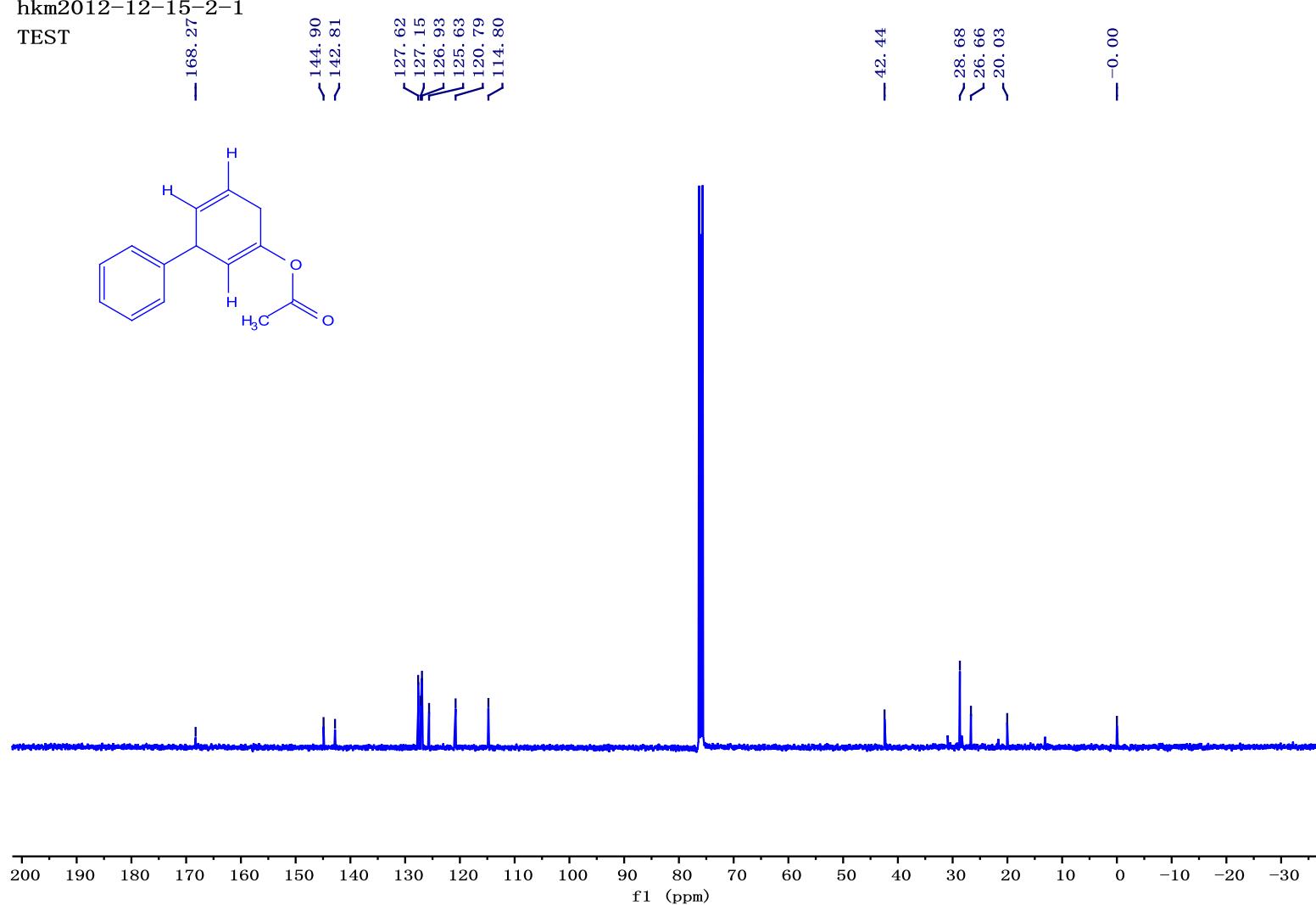


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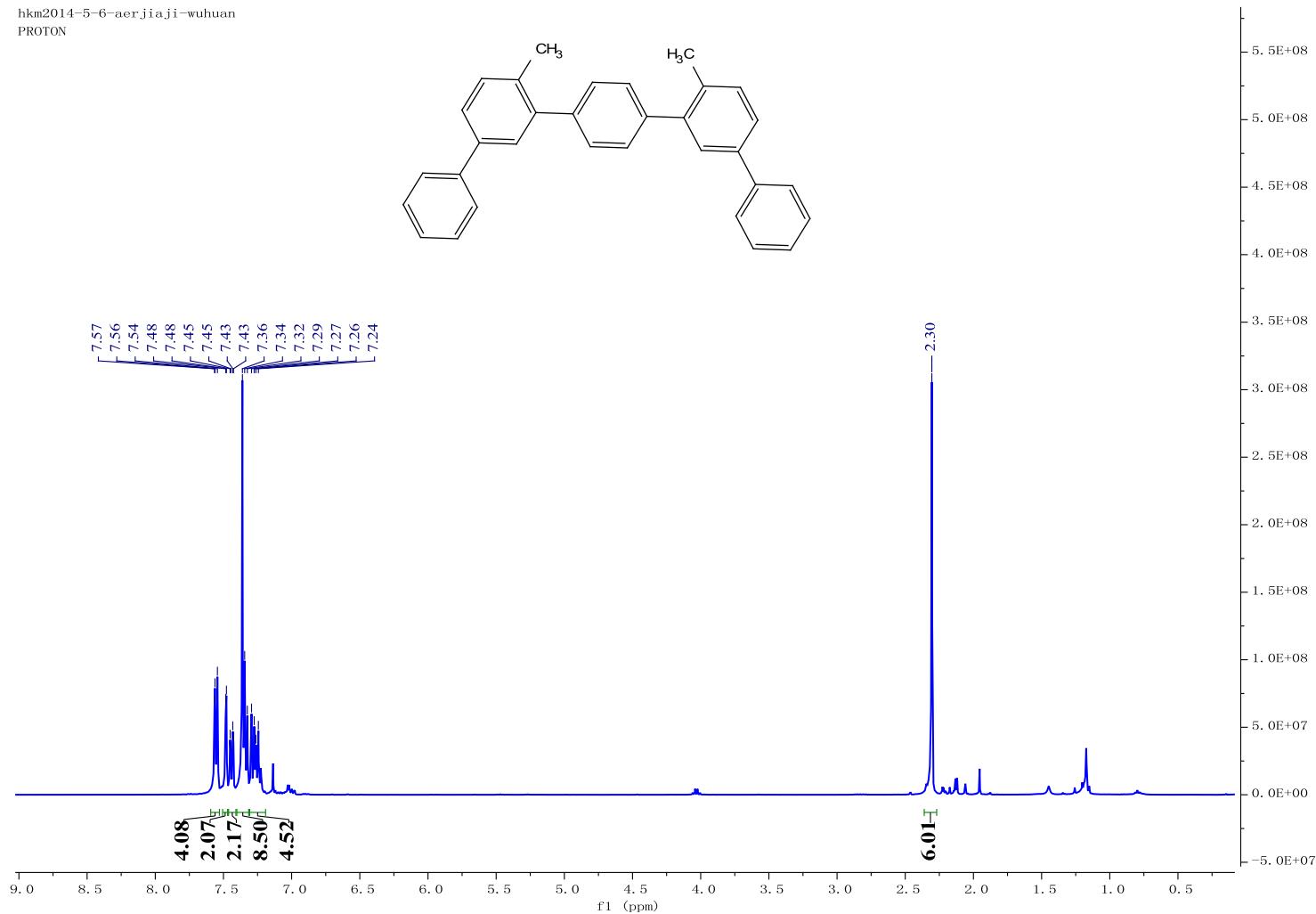
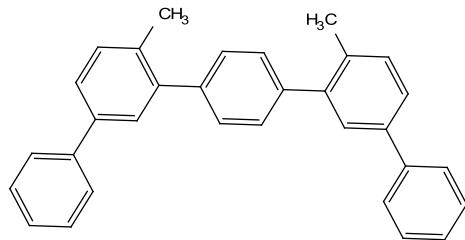


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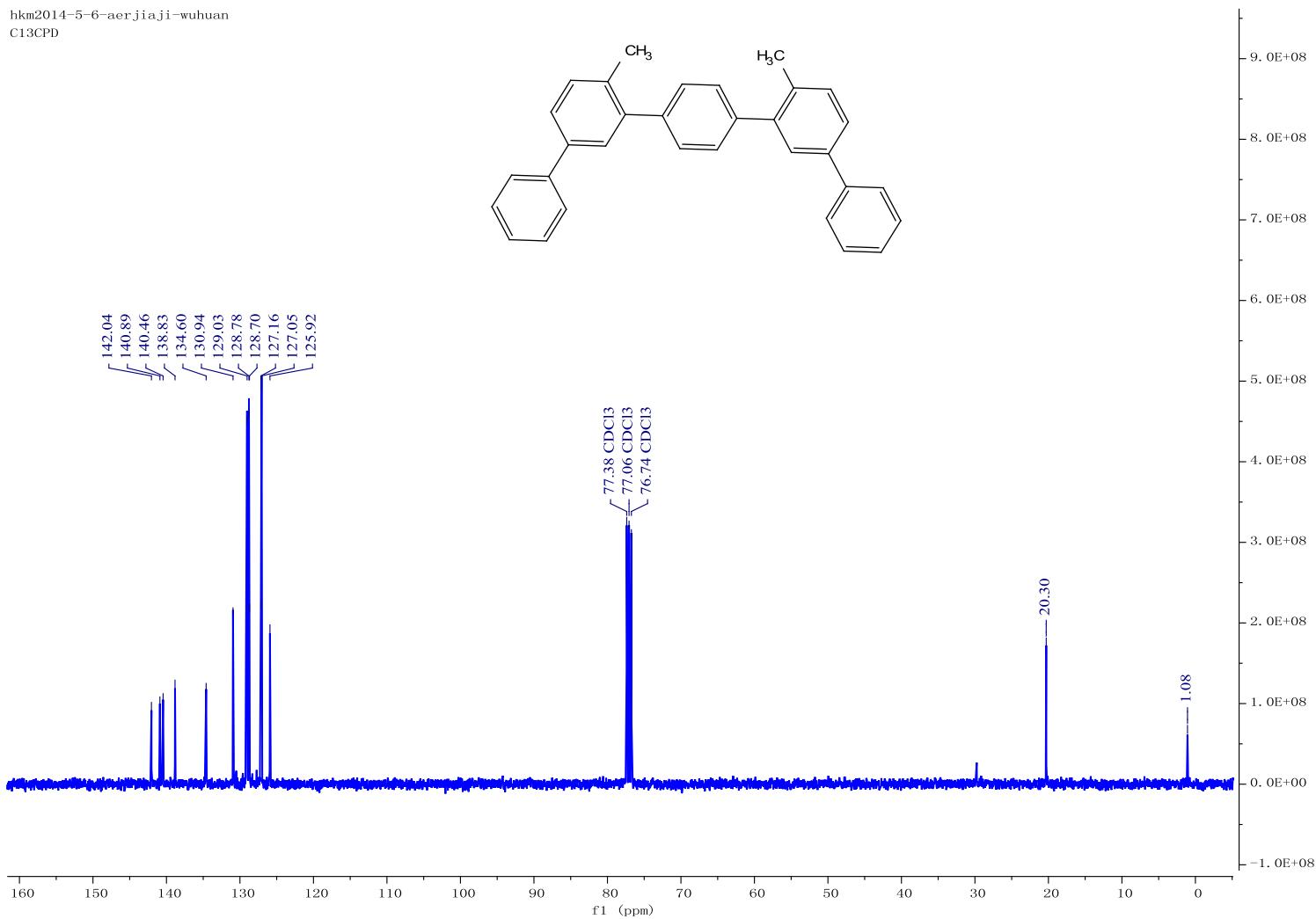
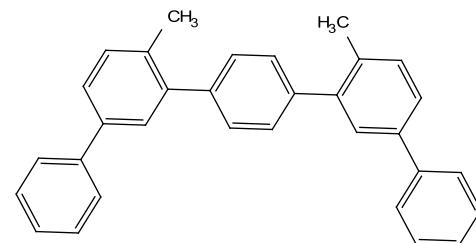
TEST



hkm2014-5-6-aerjiaji-wuhuan
PROTON

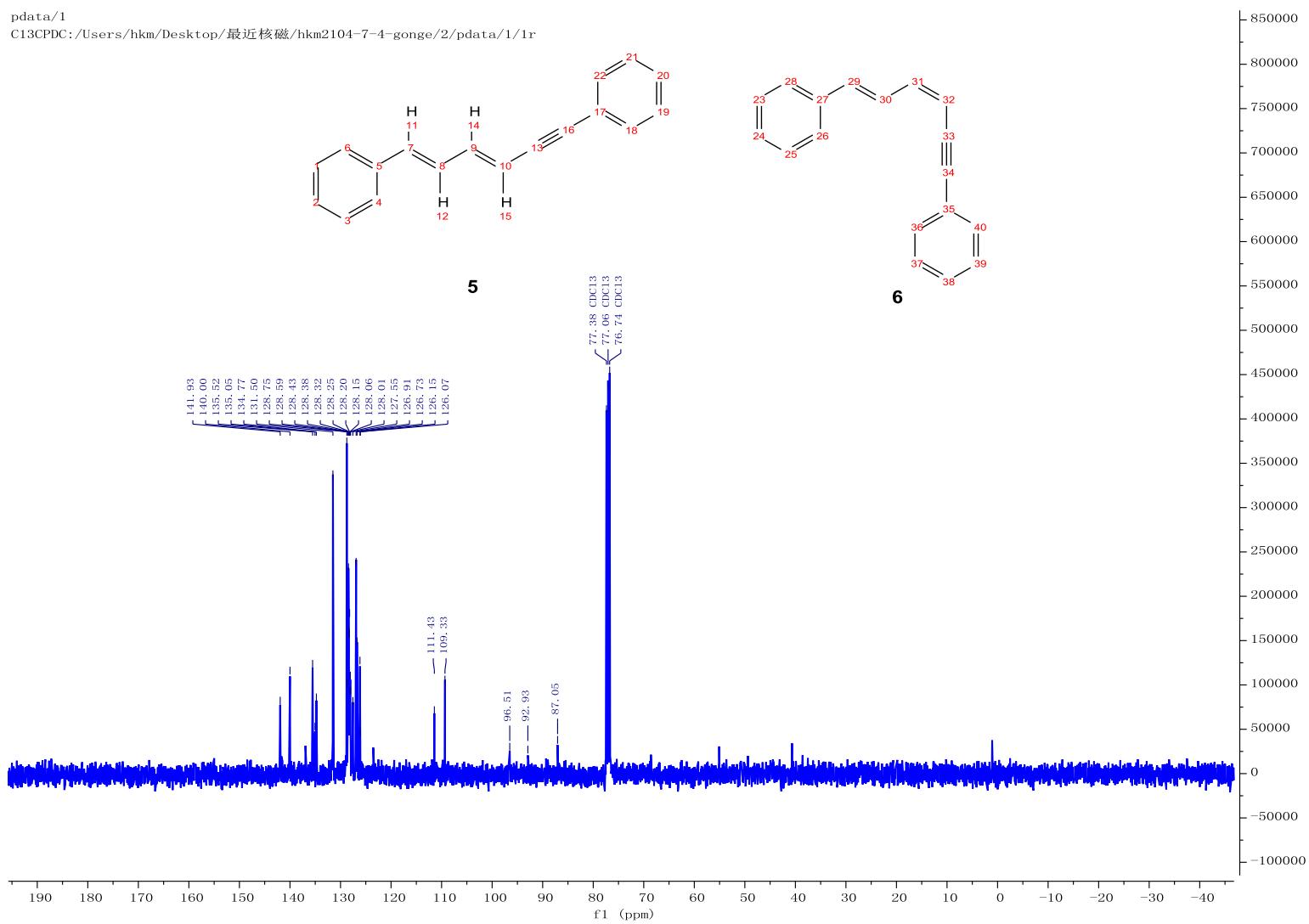


hkm2014-5-6-aerjiaji-wuhuan
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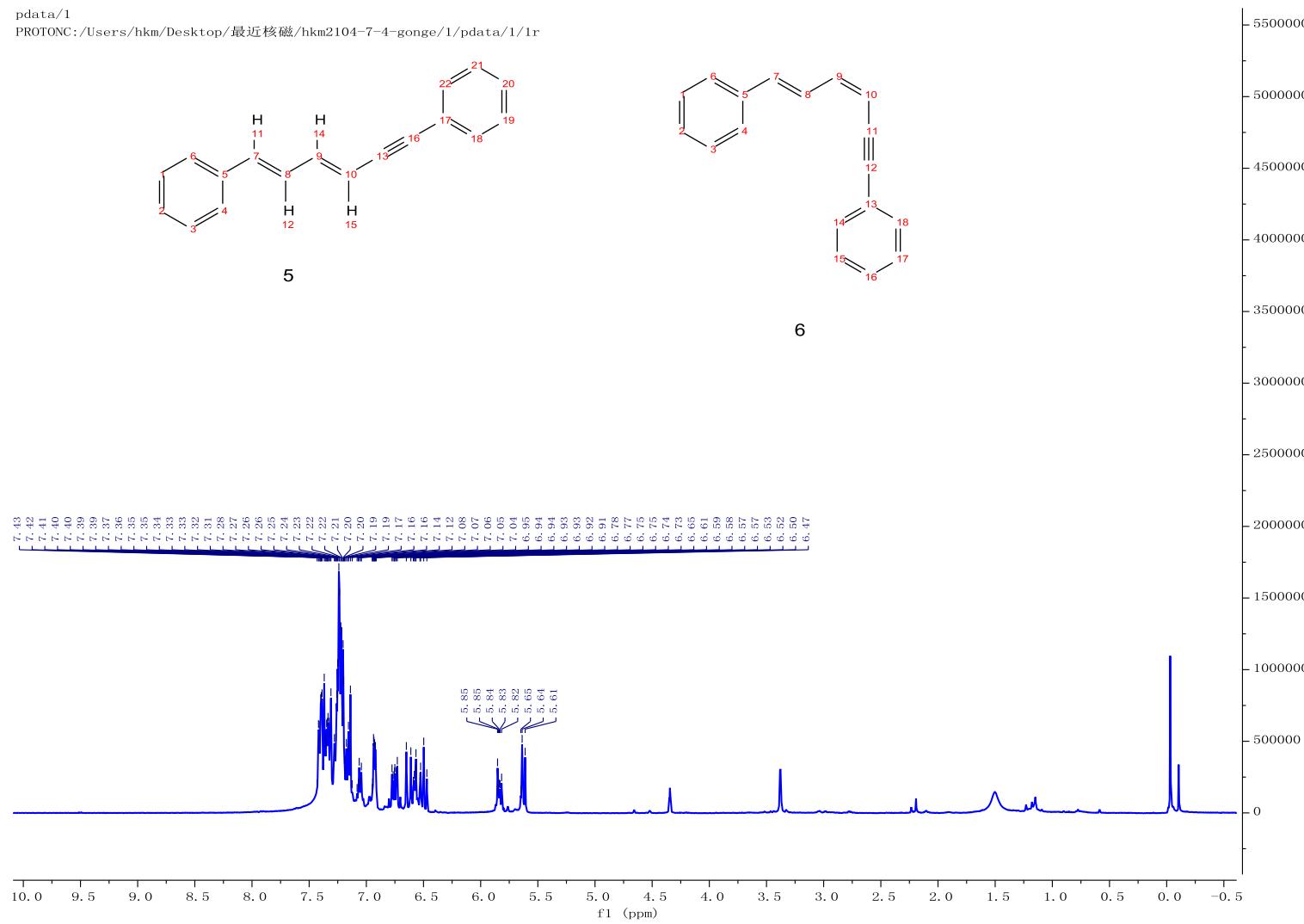


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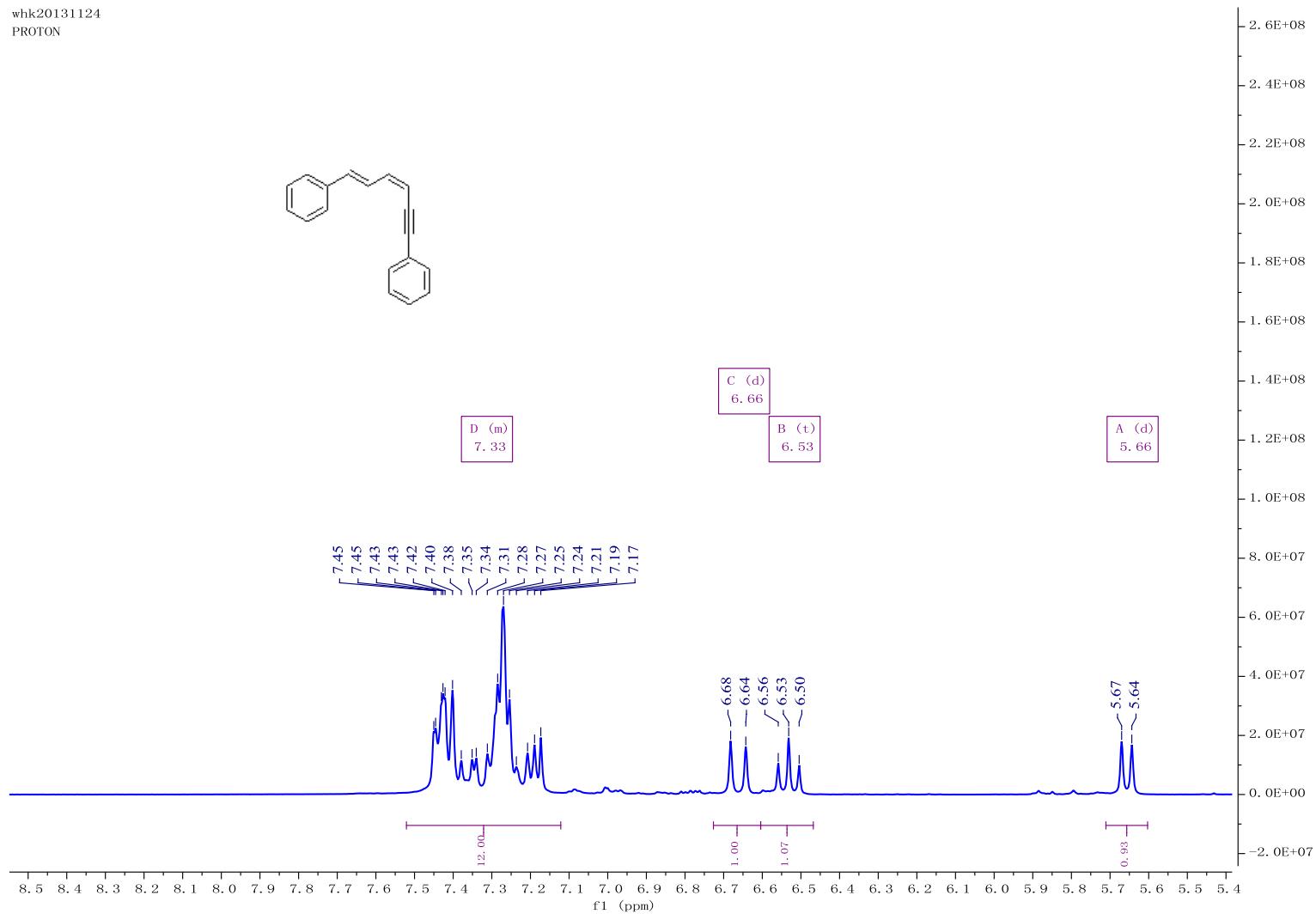
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pdata/1
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whk20131124
PROTON



whk20131124
C13CPD

