

Supporting Information
for DOI: 10.1055/s-0037-1611211
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Supporting information

for

Flexible entry into 3-arylpent-2-enedioic acids via Heck-Matsuda arylation of dimethyl glutaconate with arenediazonium tosylates

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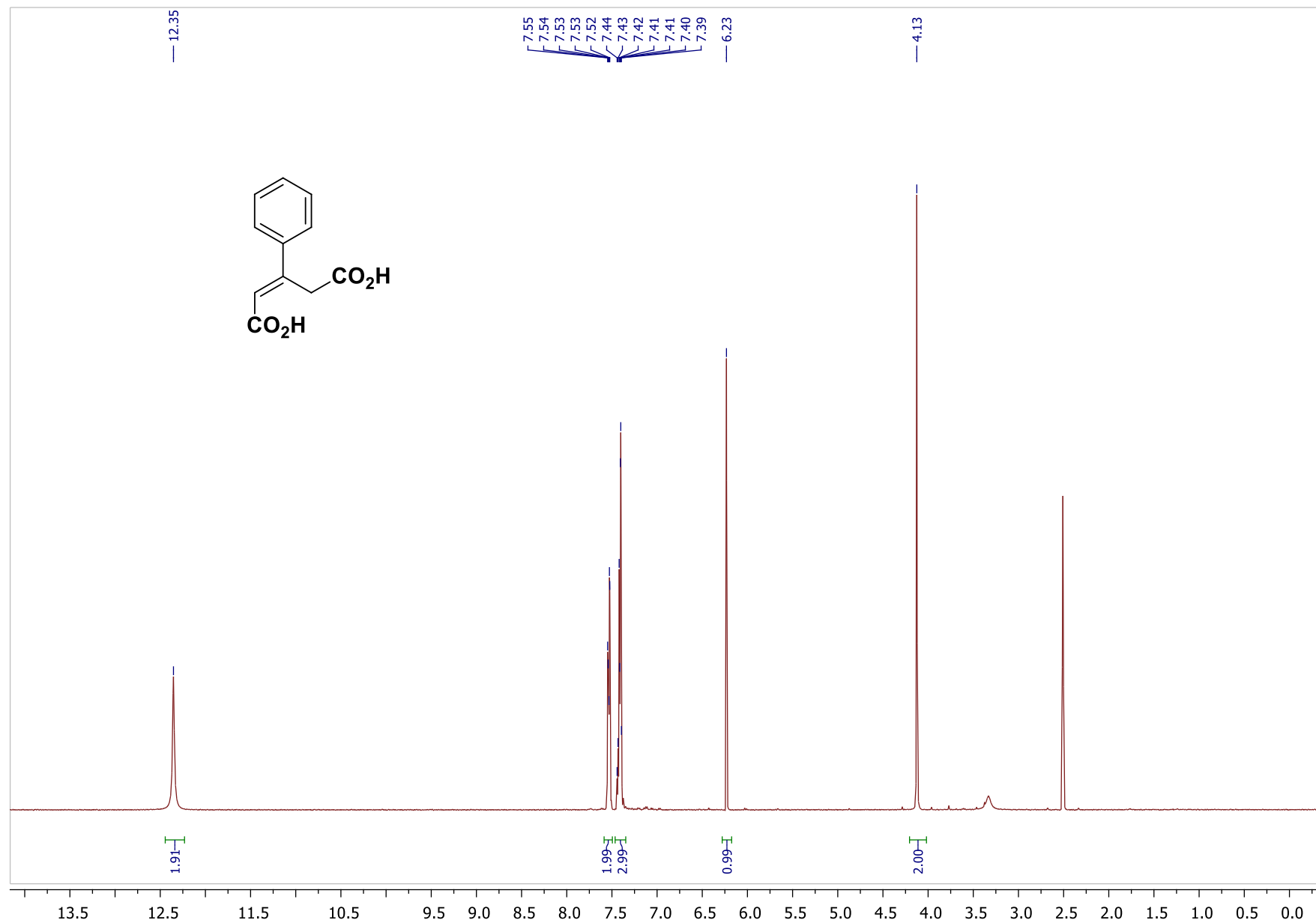
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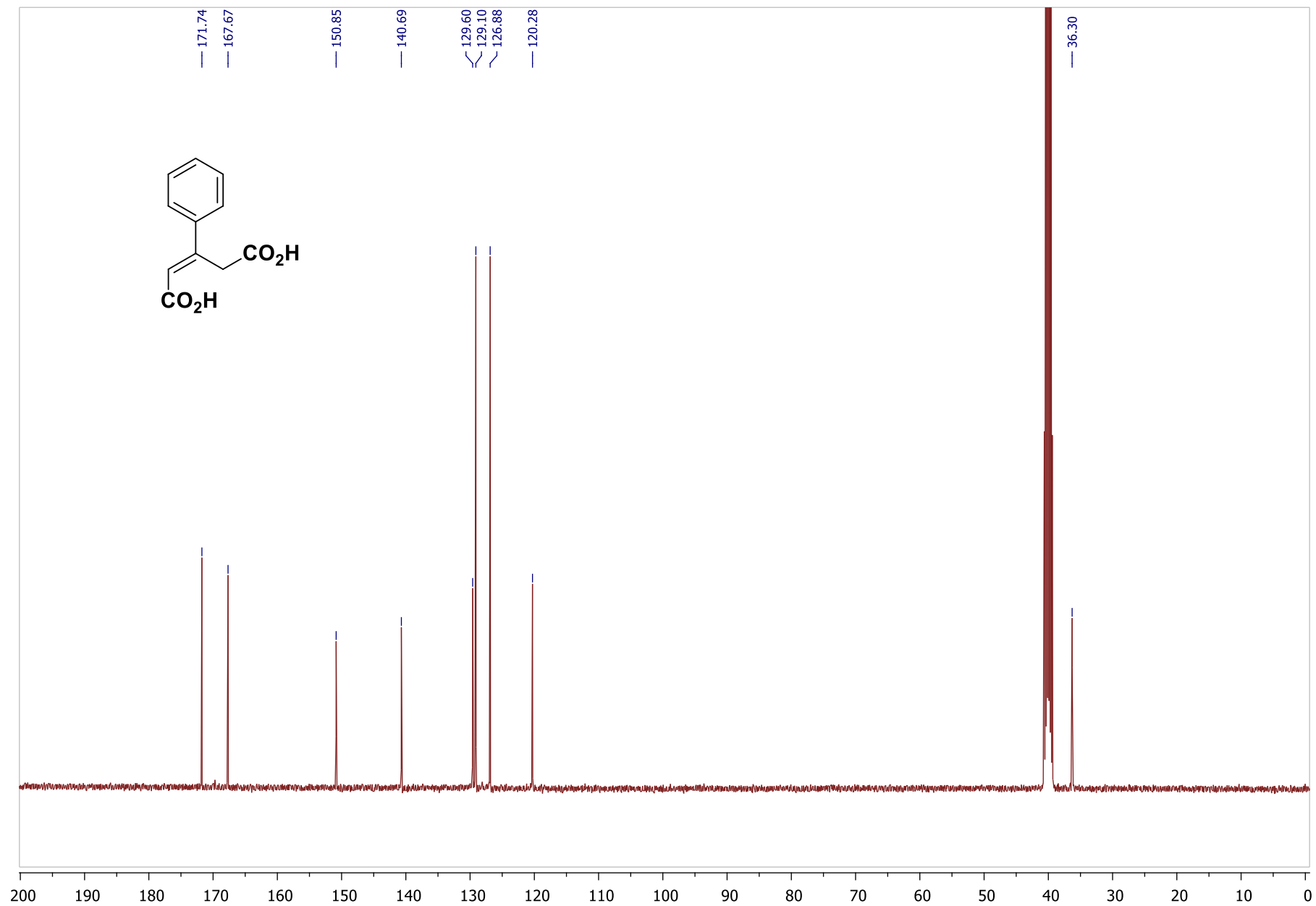
¹H NMR, ¹³C NMR and NOESY spectra for compounds **1a-p**.....S2-S49

¹H and ¹³C NMR and NOESY spectra for compounds **6a-c, 7b,c**.....S50-S62

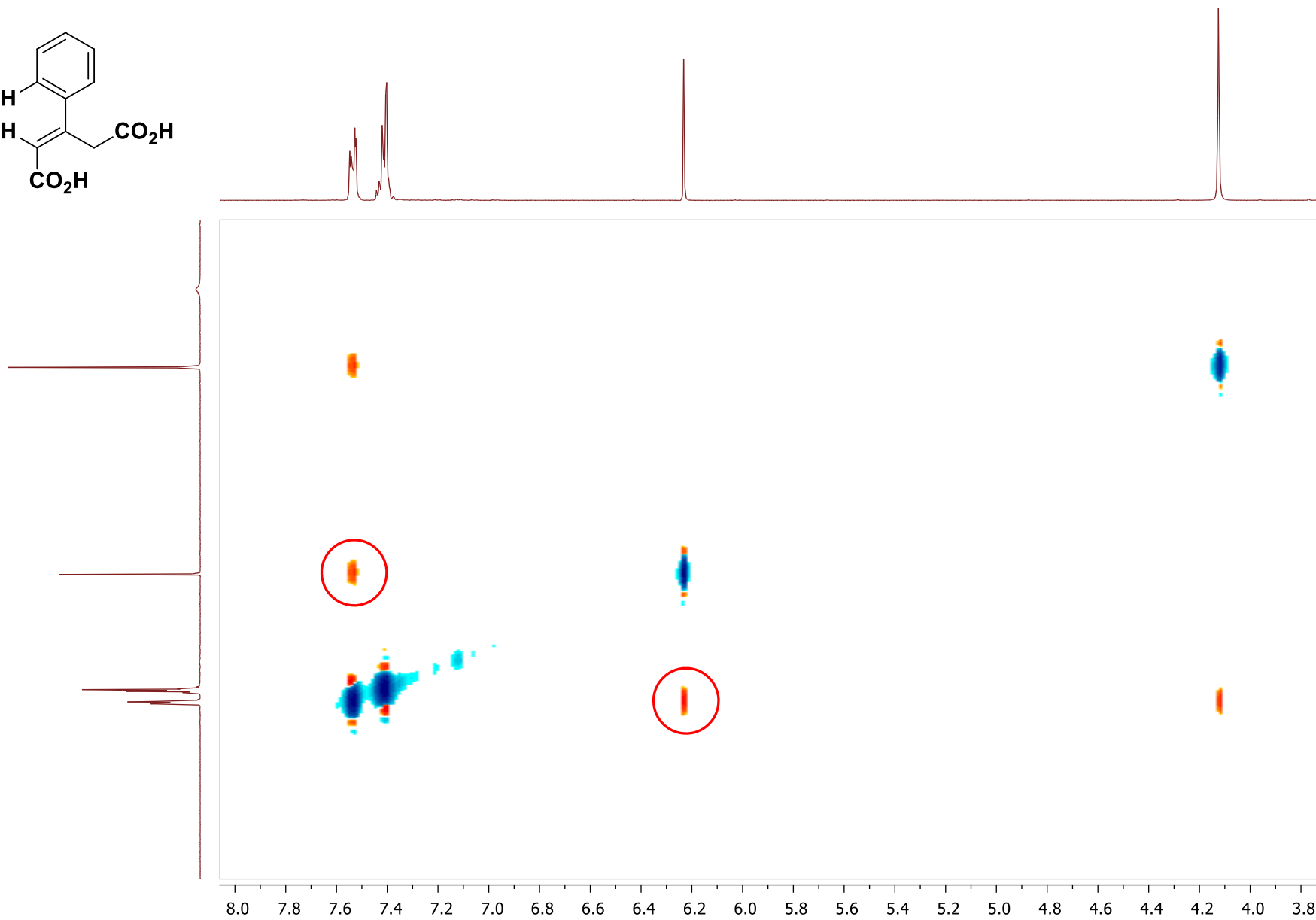
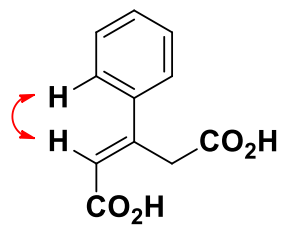
^1H NMR spectrum of compound **1a**



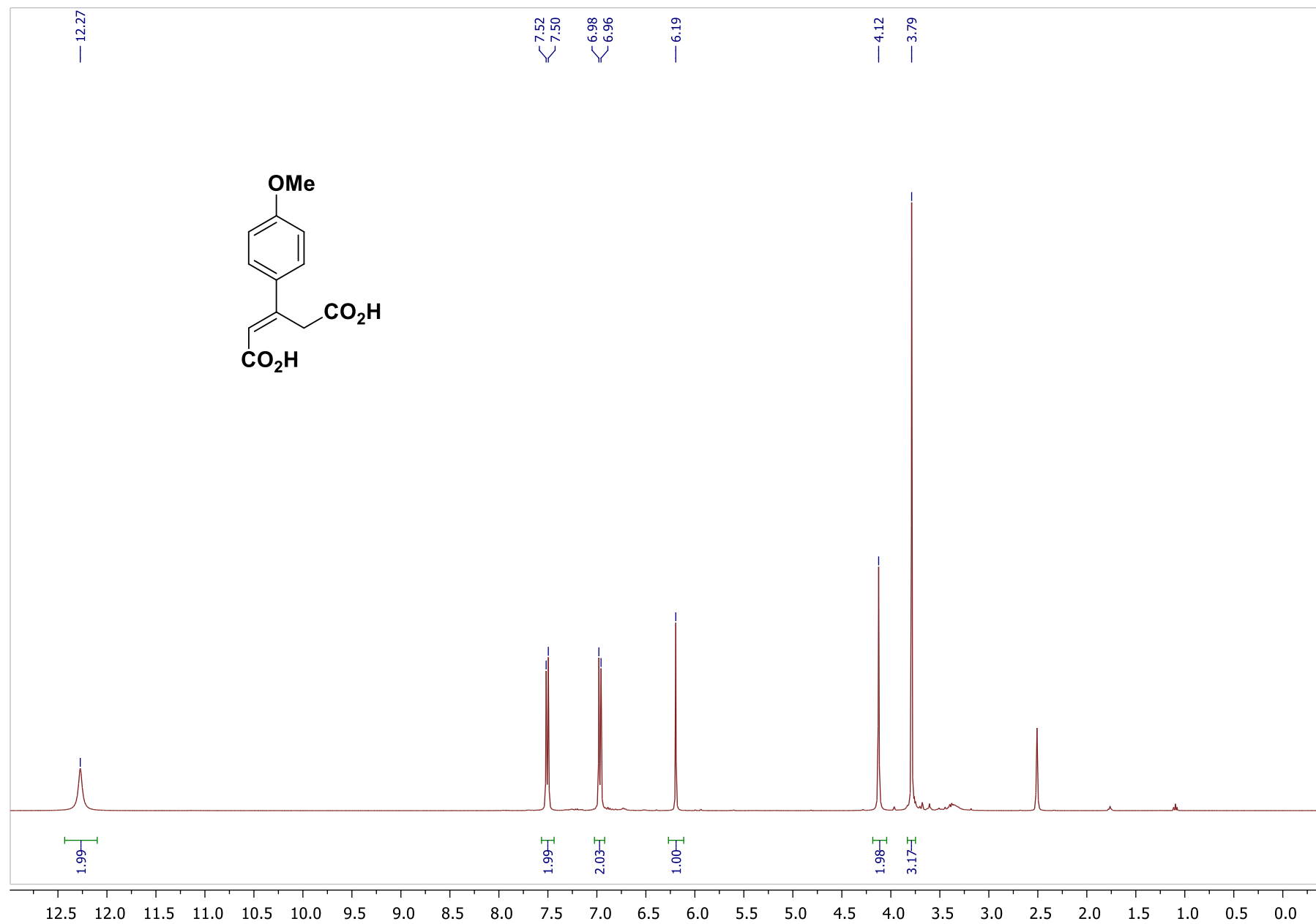
^{13}C NMR spectrum of compound **1a**



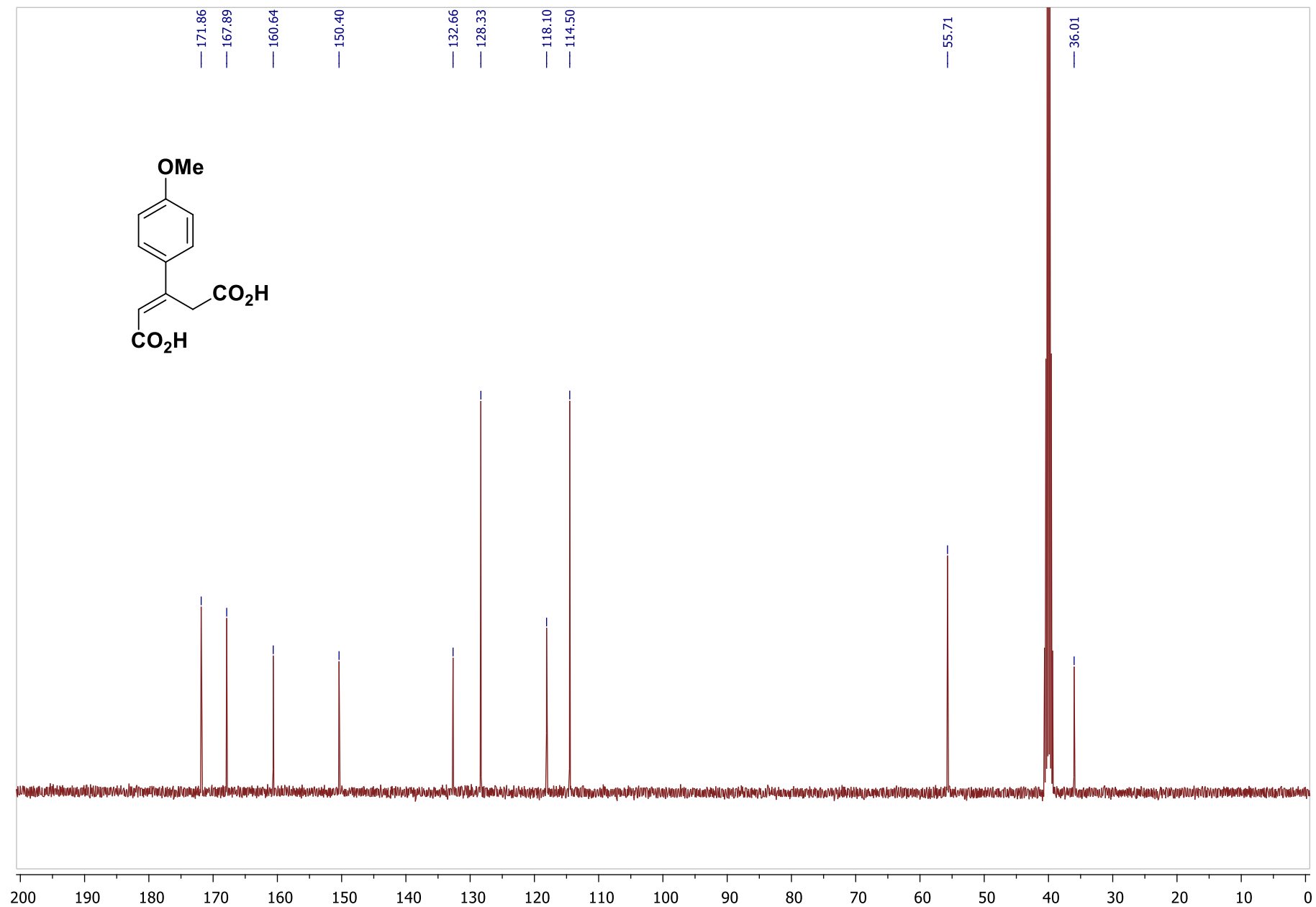
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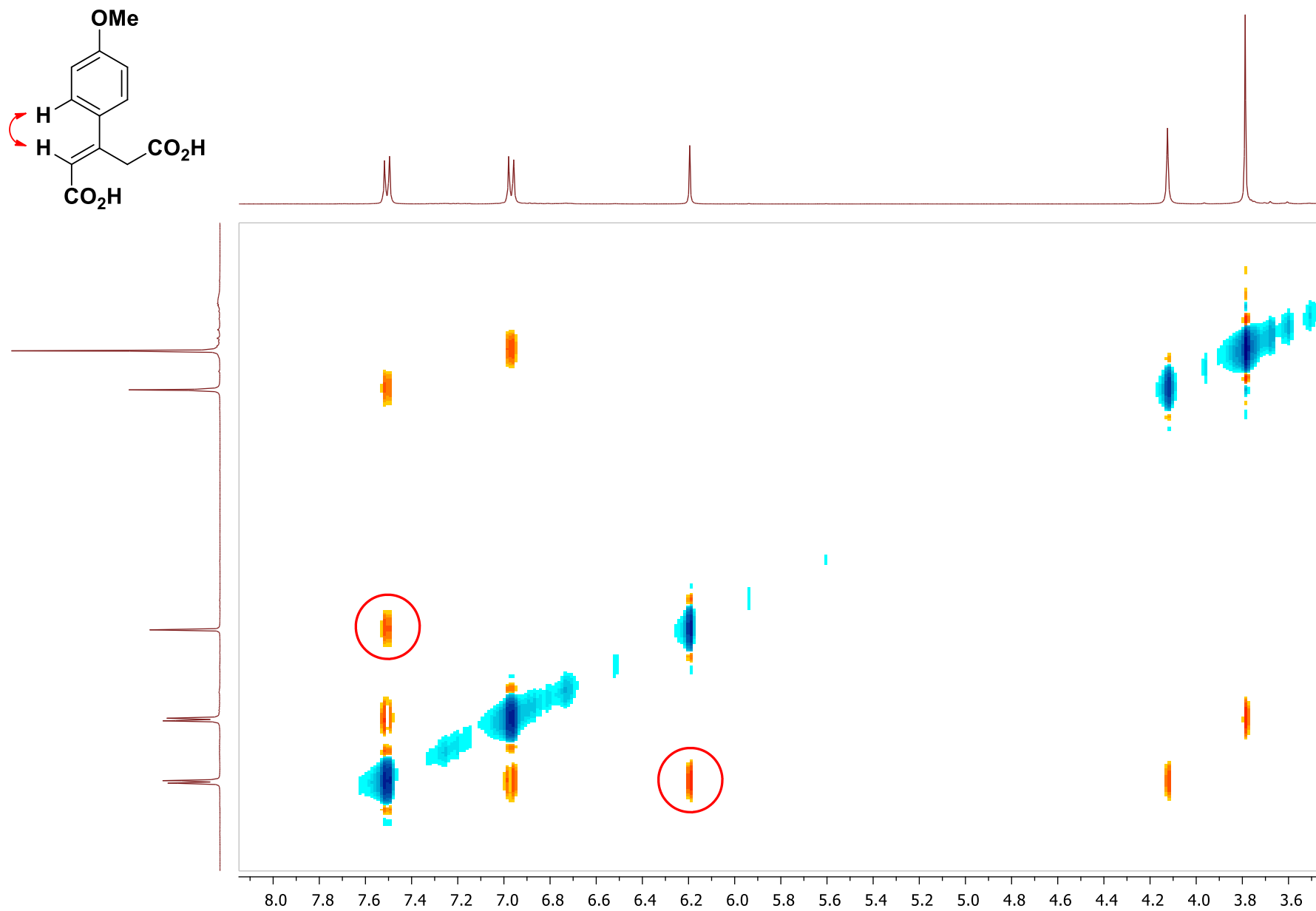
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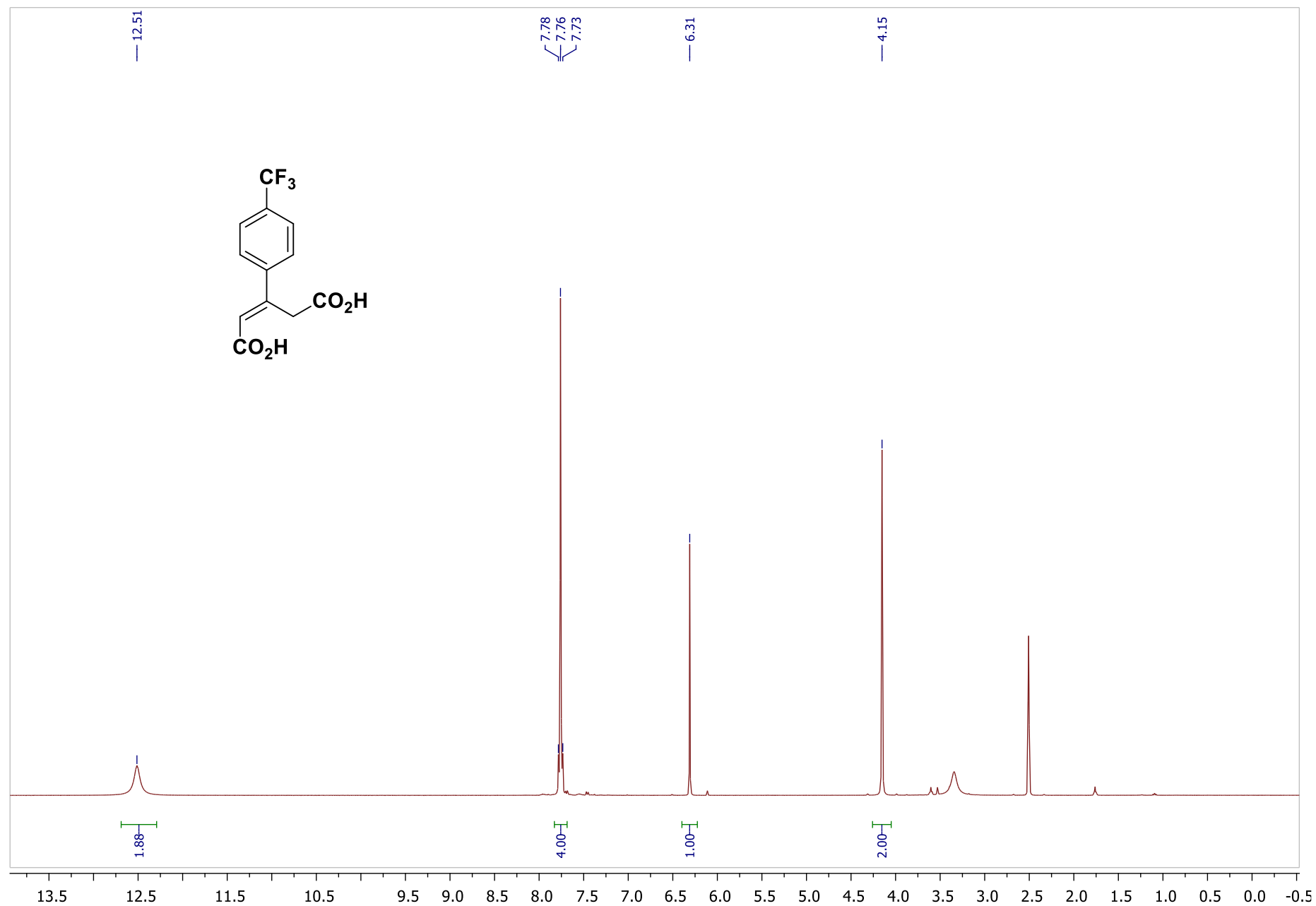
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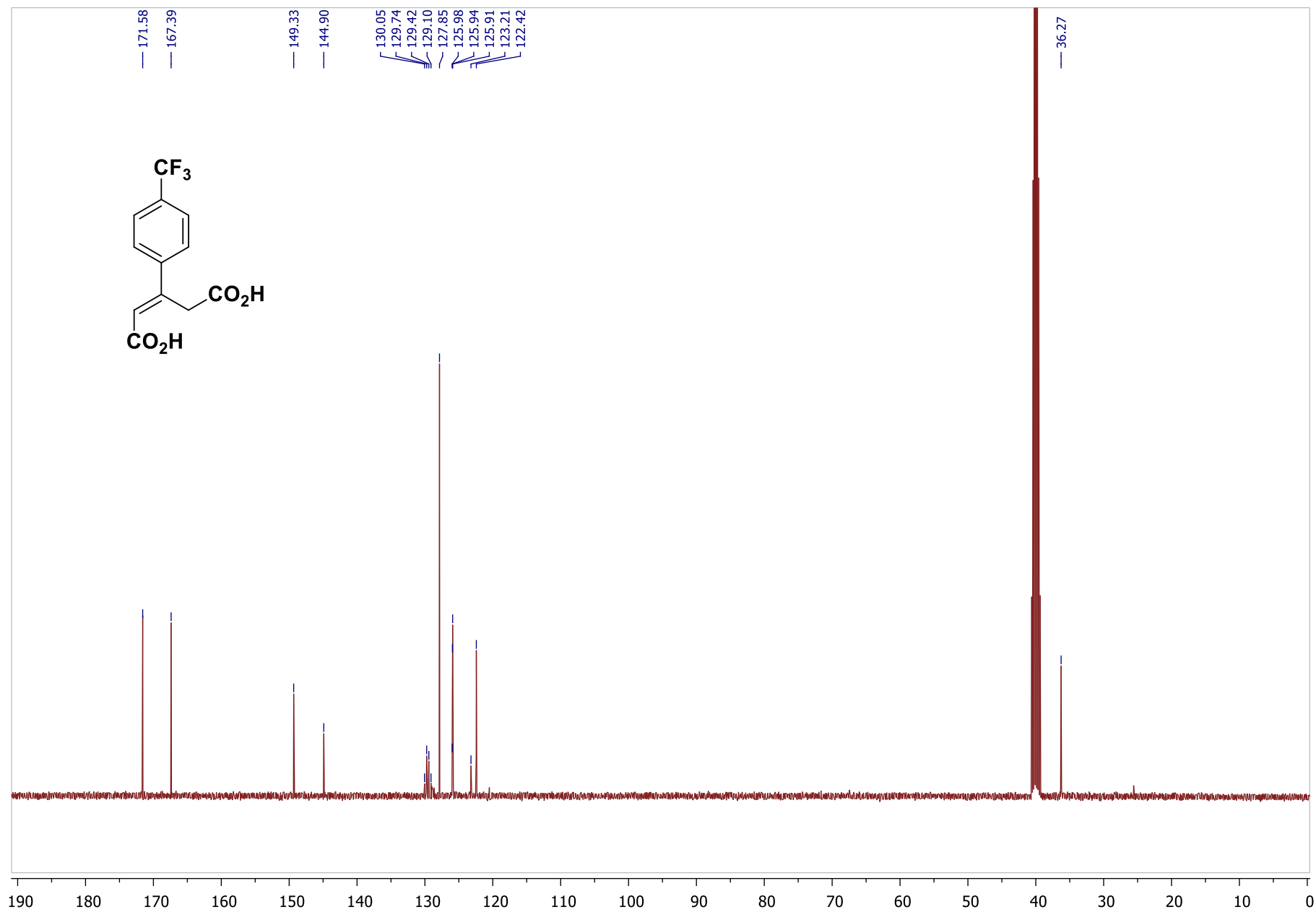
NOESY spectrum of compound **1b**



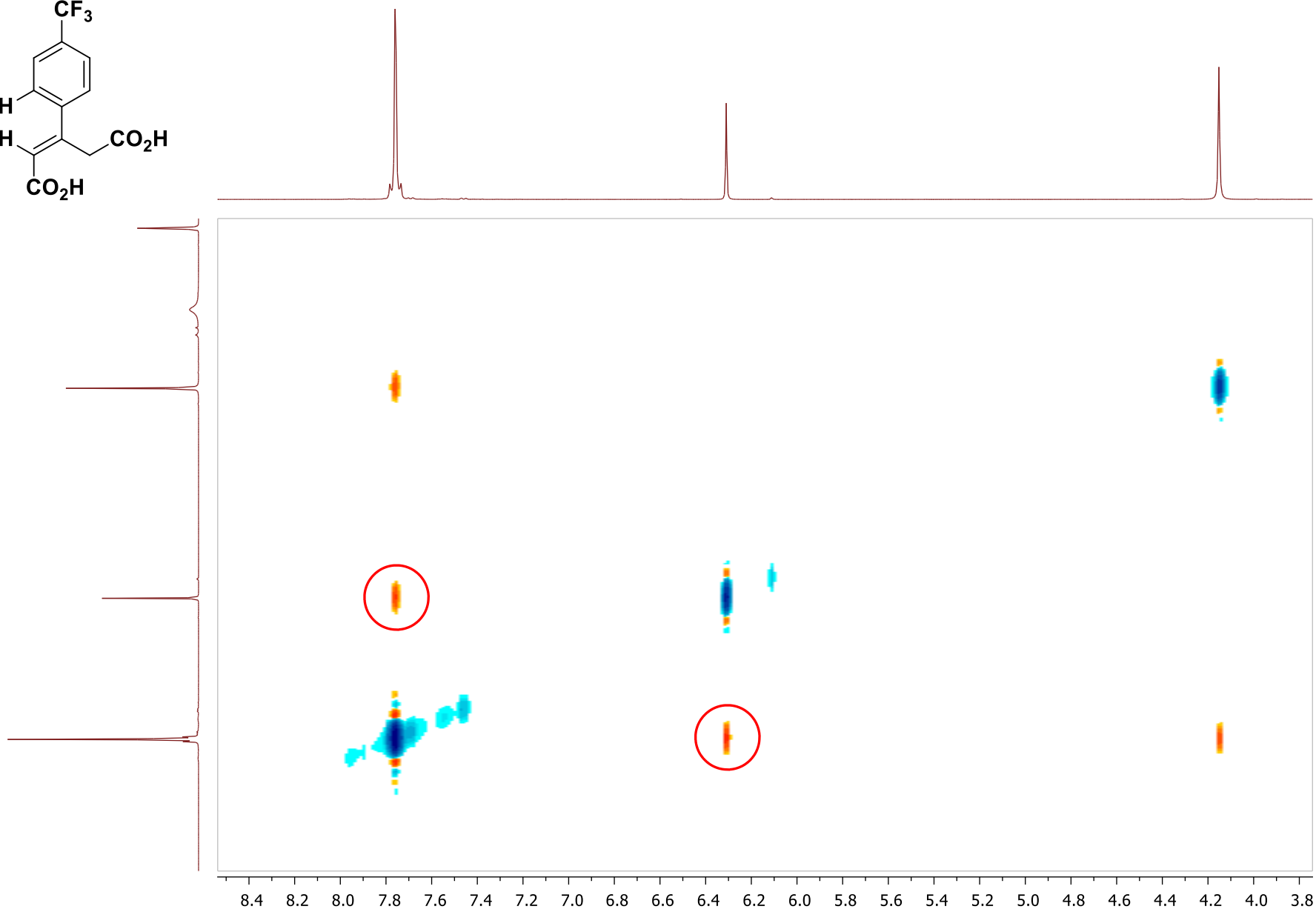
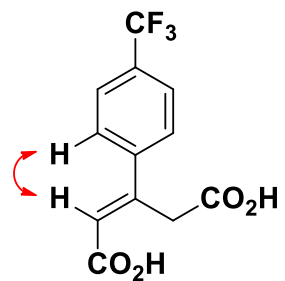
^1H NMR spectrum of compound **1c**



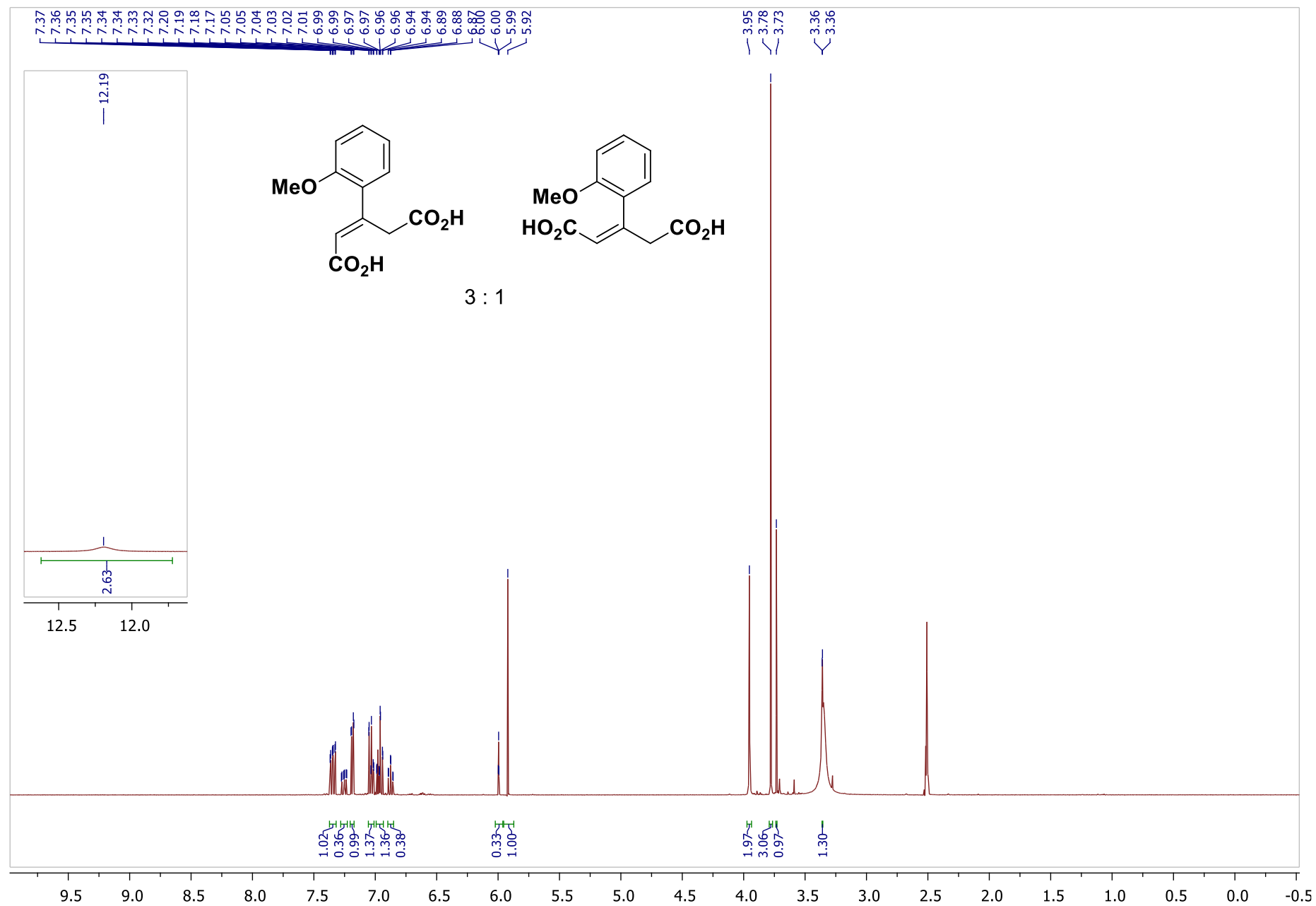
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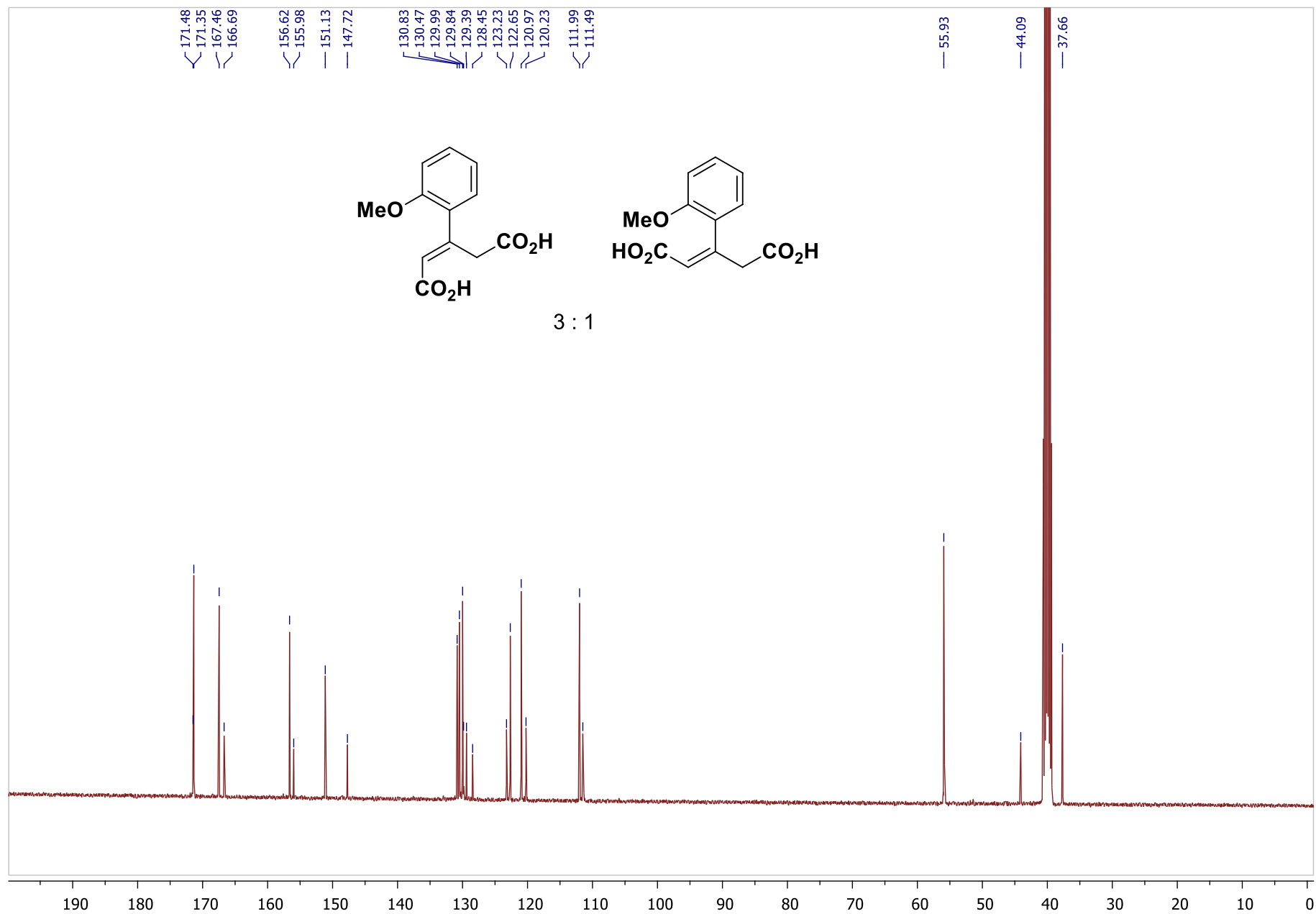
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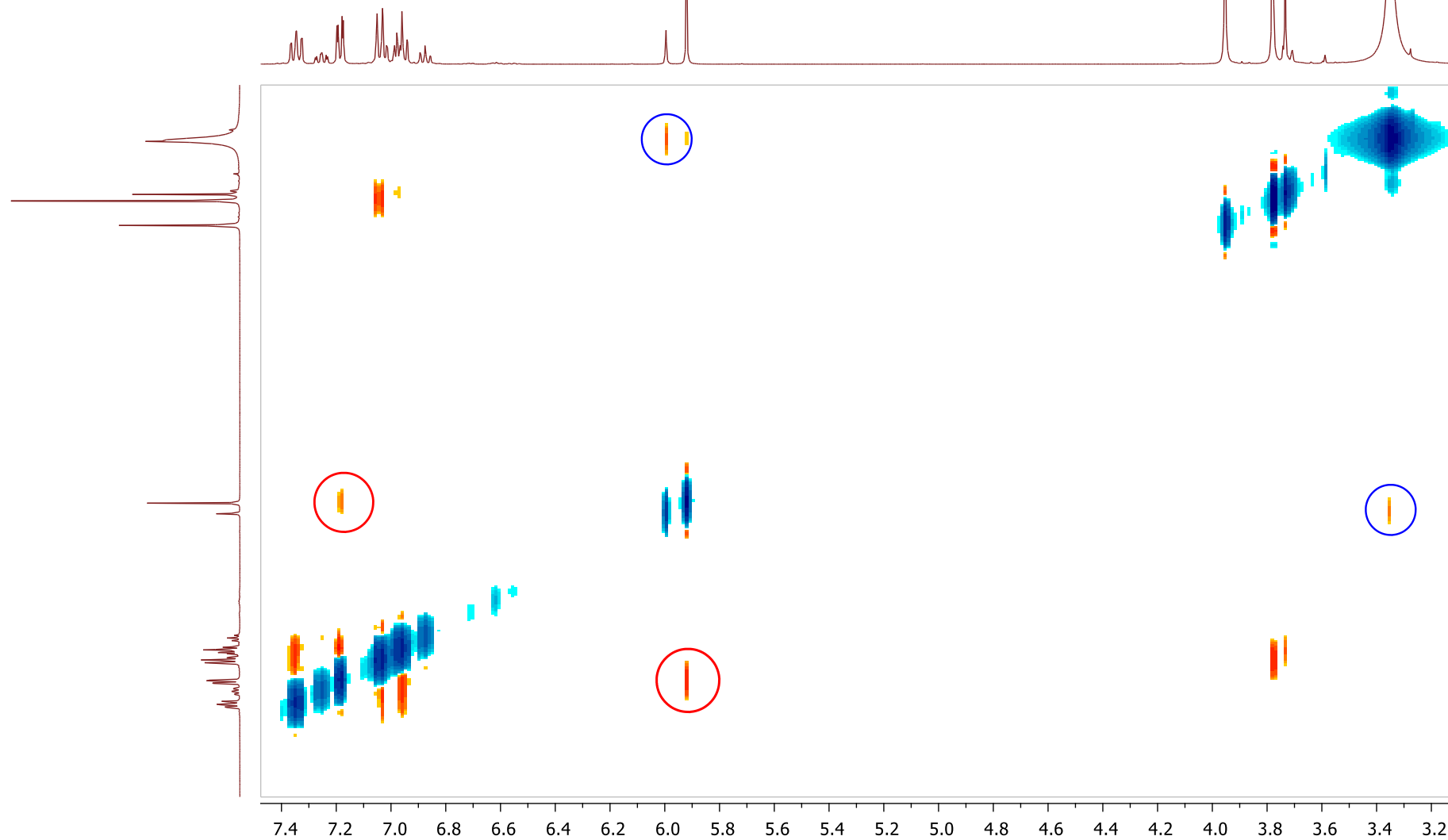
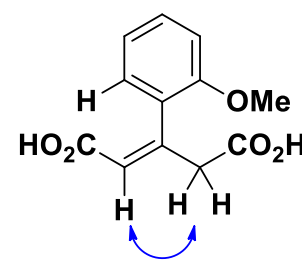
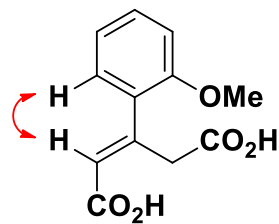
^1H NMR spectrum of compound **1d** (*E/Z* mixture 3:1)



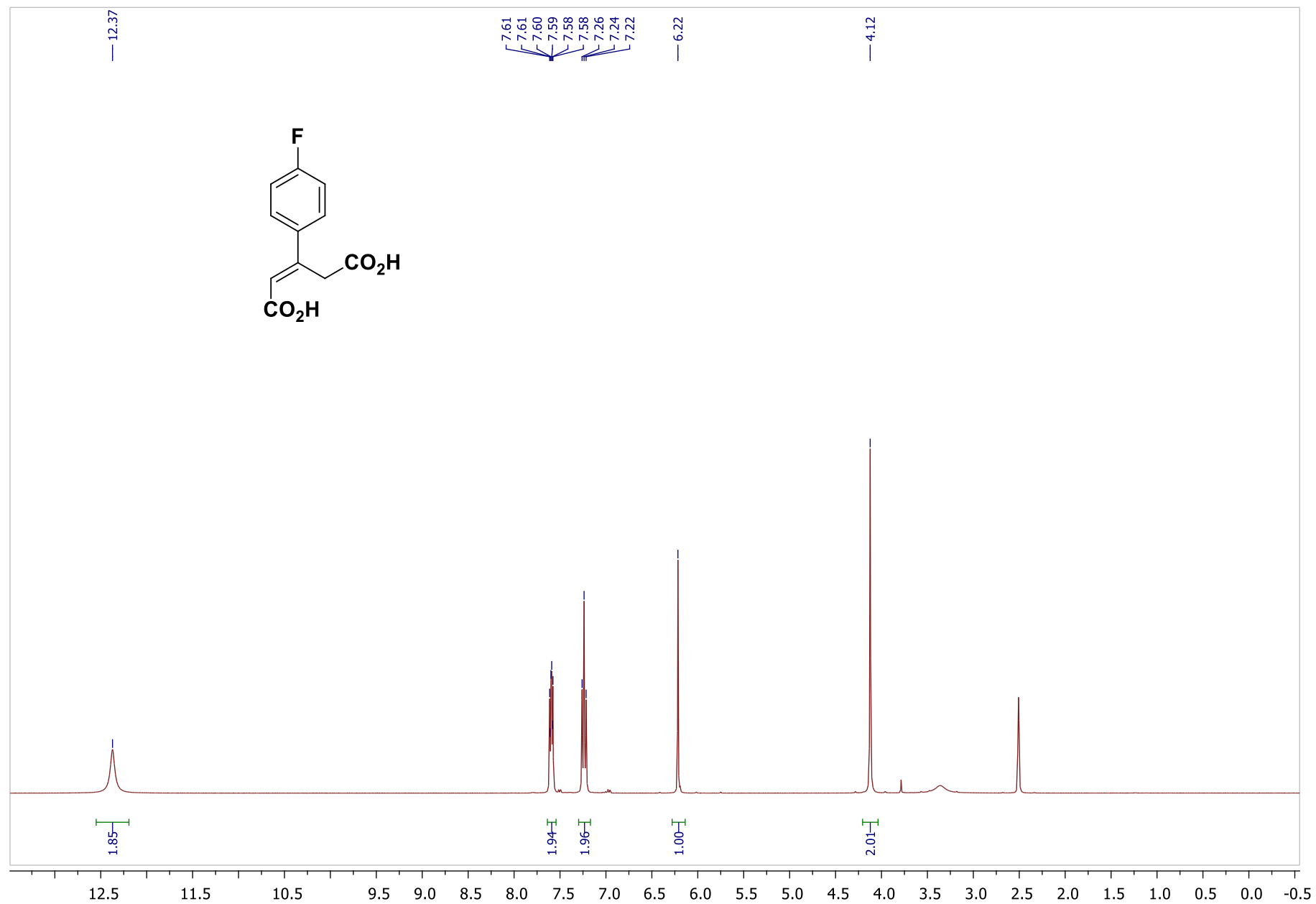
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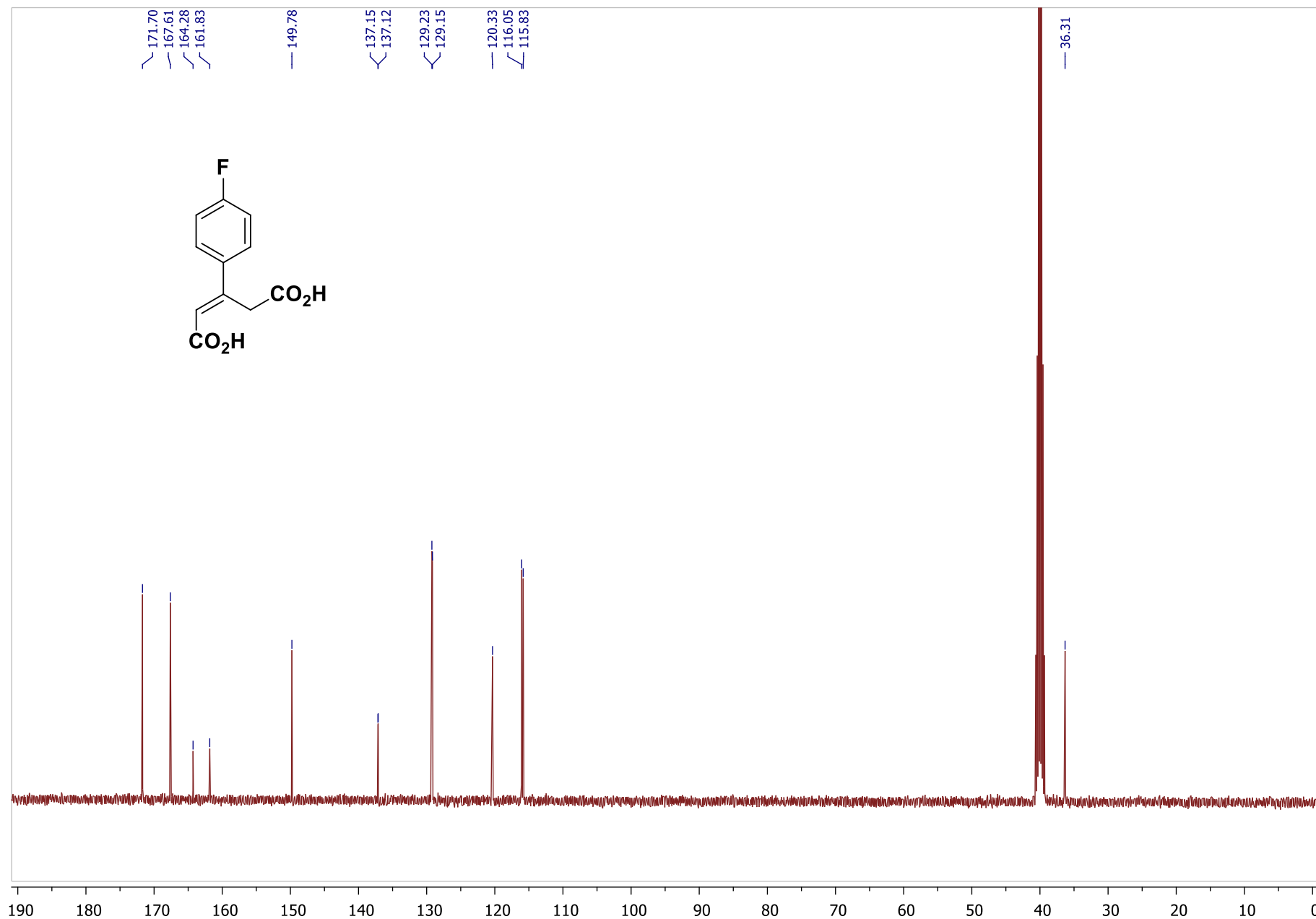
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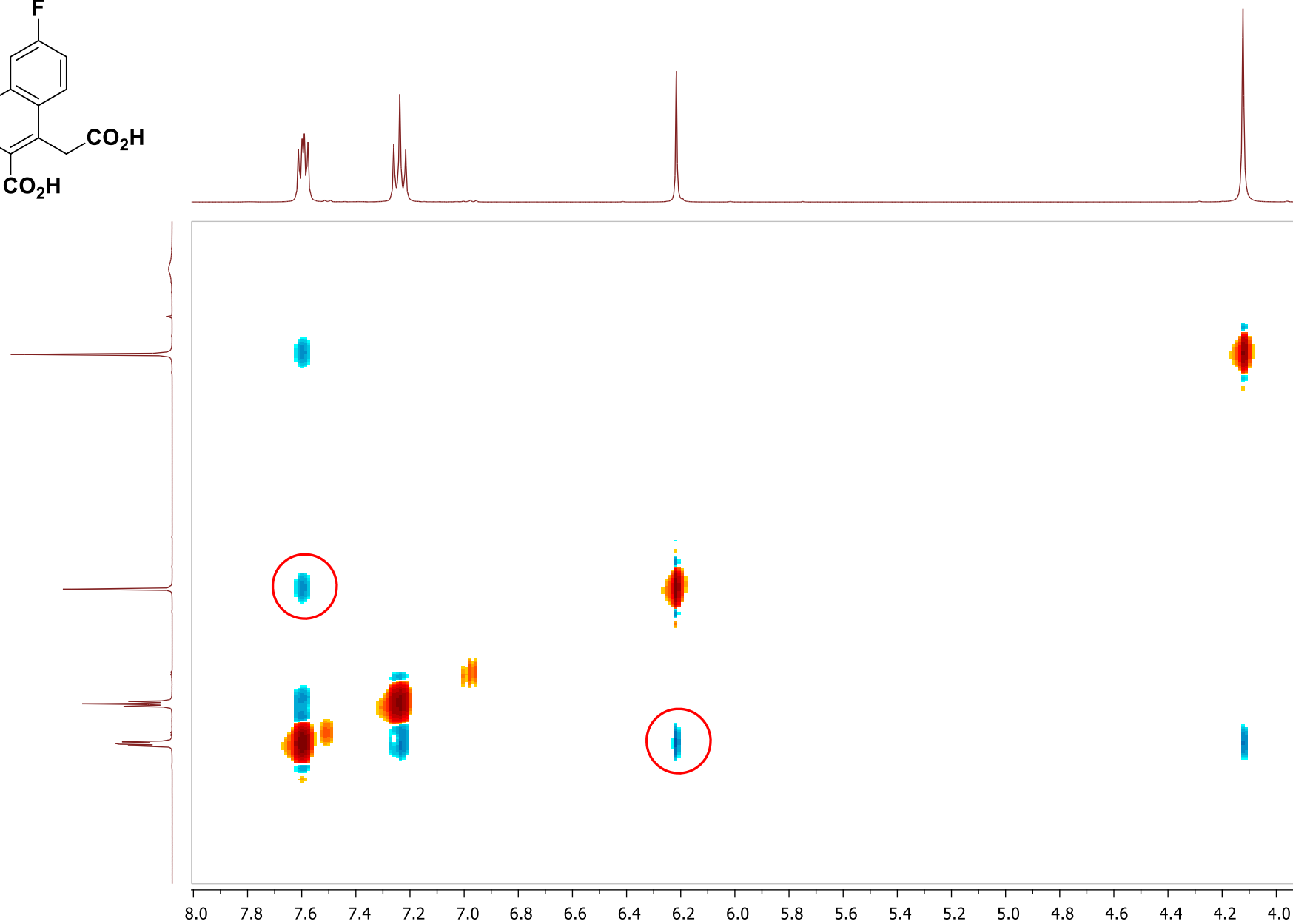
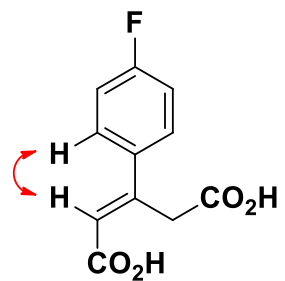
^1H NMR spectrum of compound **1e**



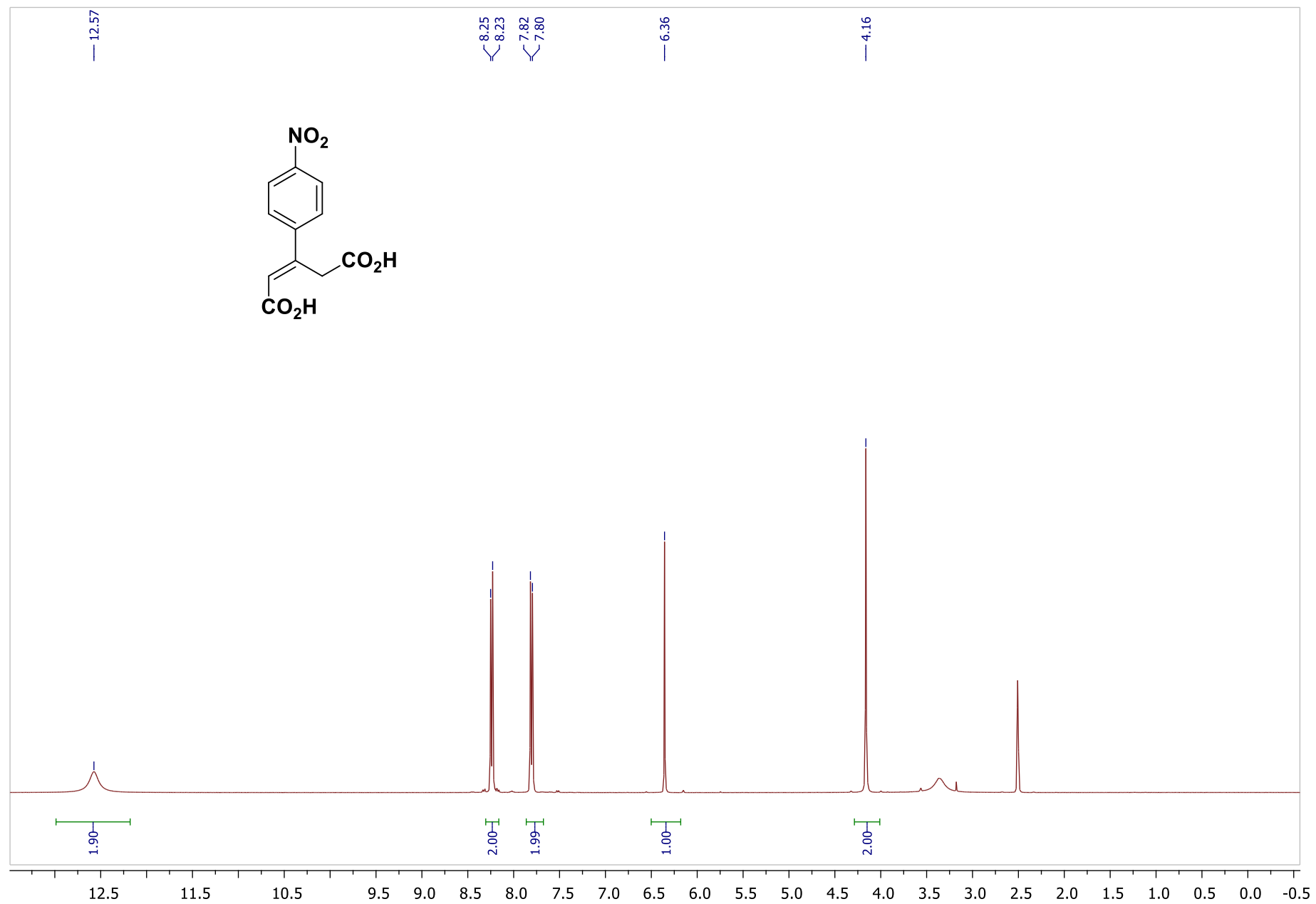
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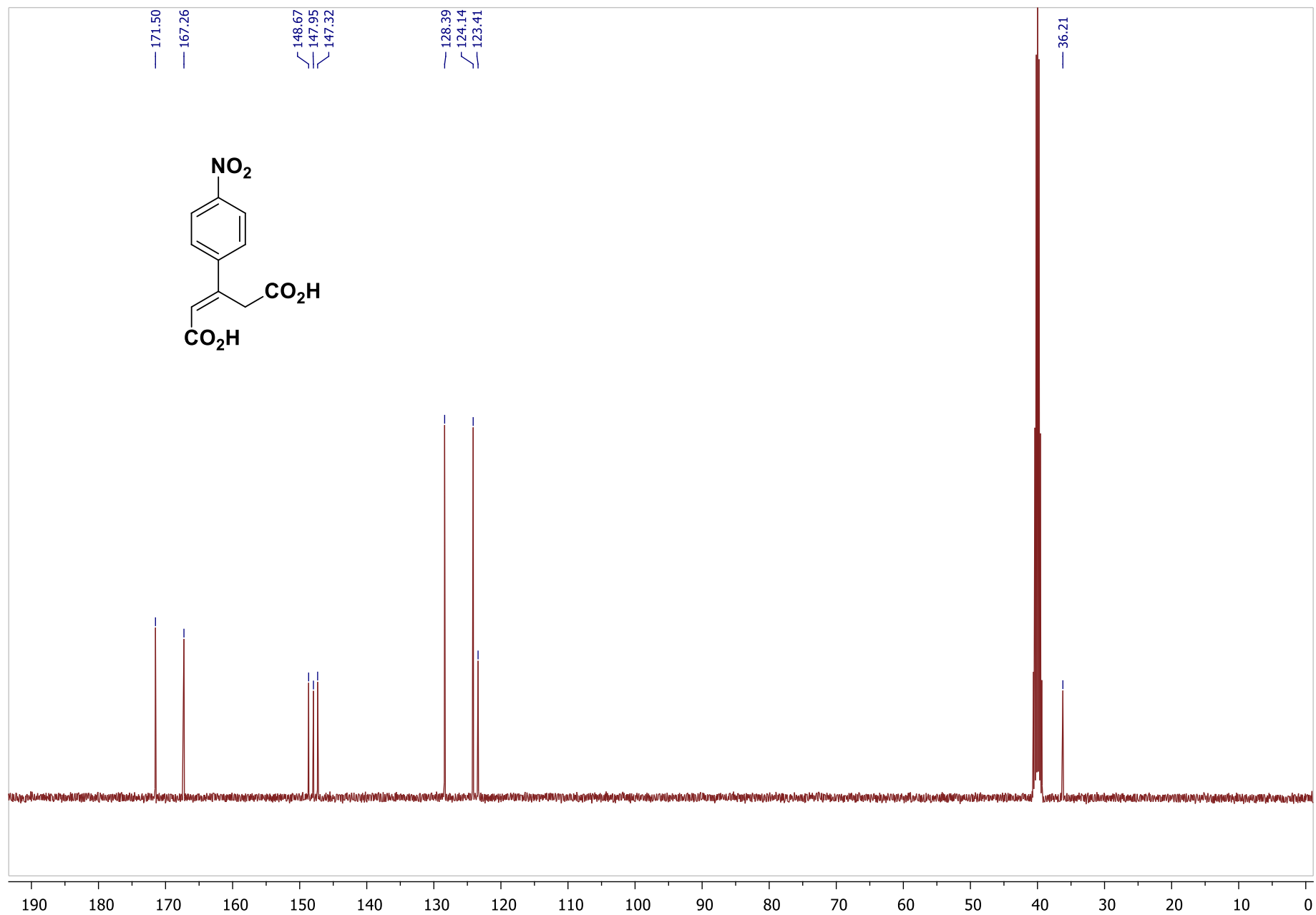
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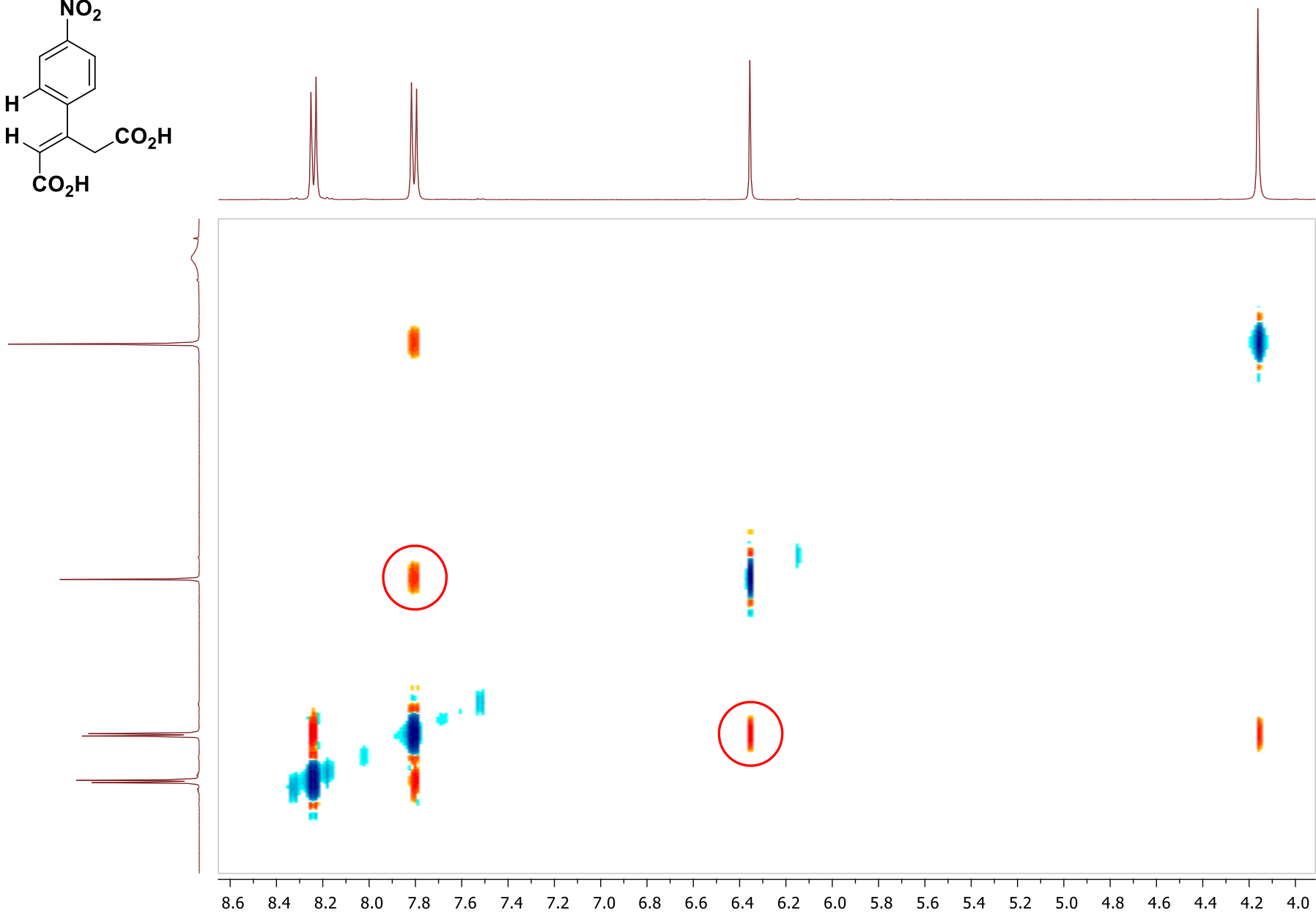
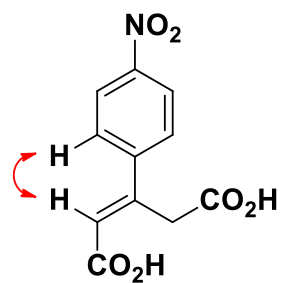
^1H NMR spectrum of compound **1f**



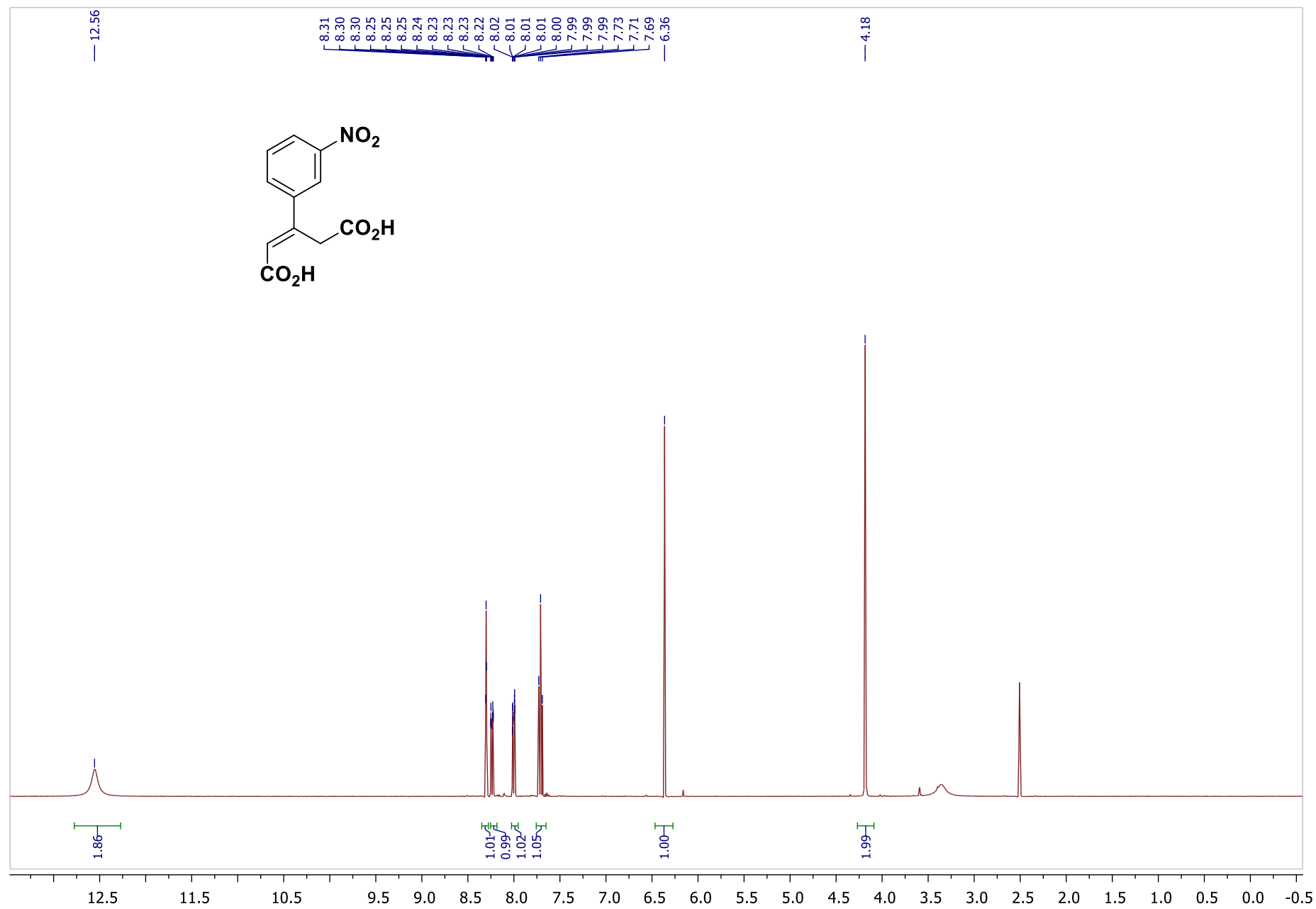
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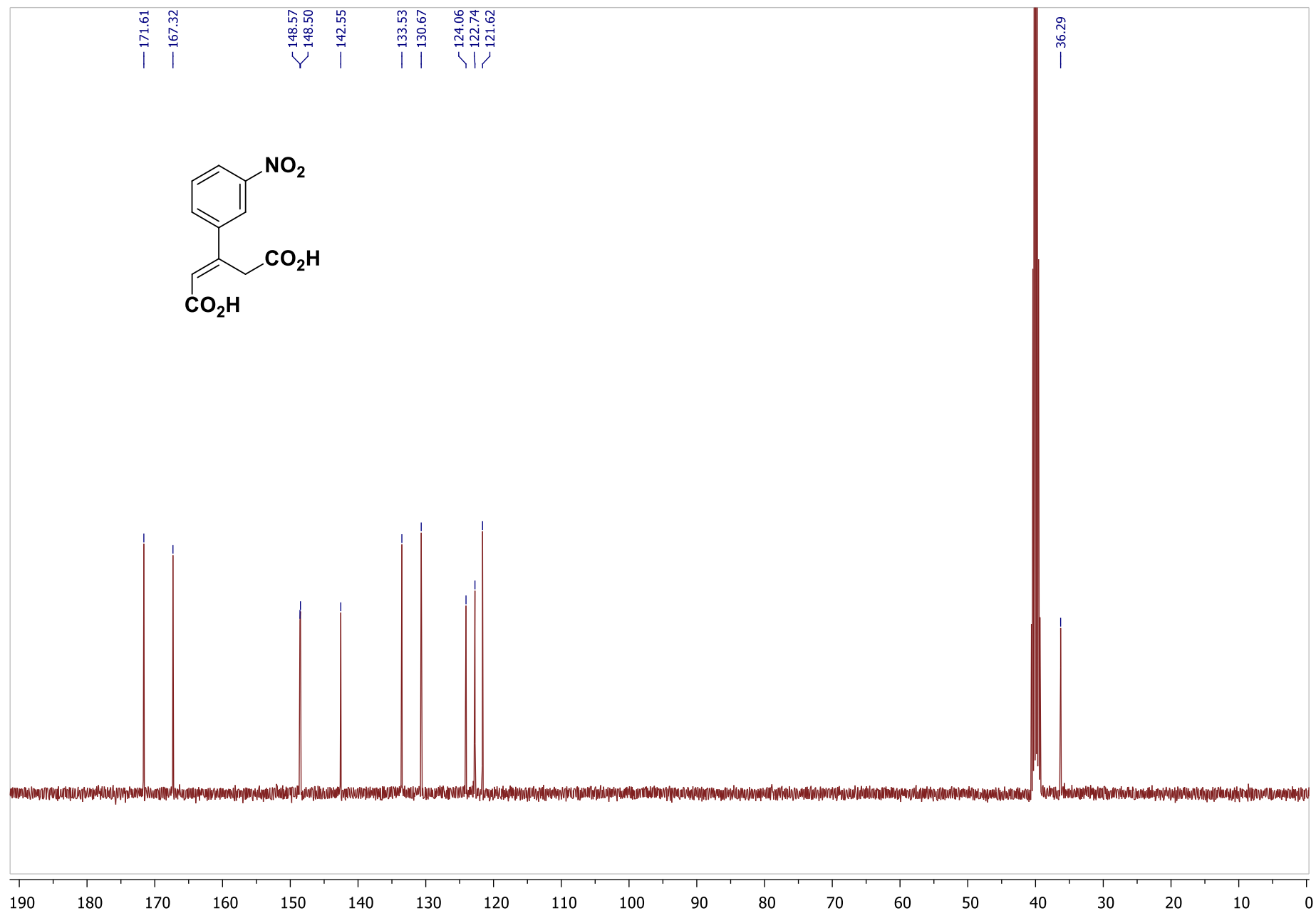
NOESY spectrum of compound **1f**



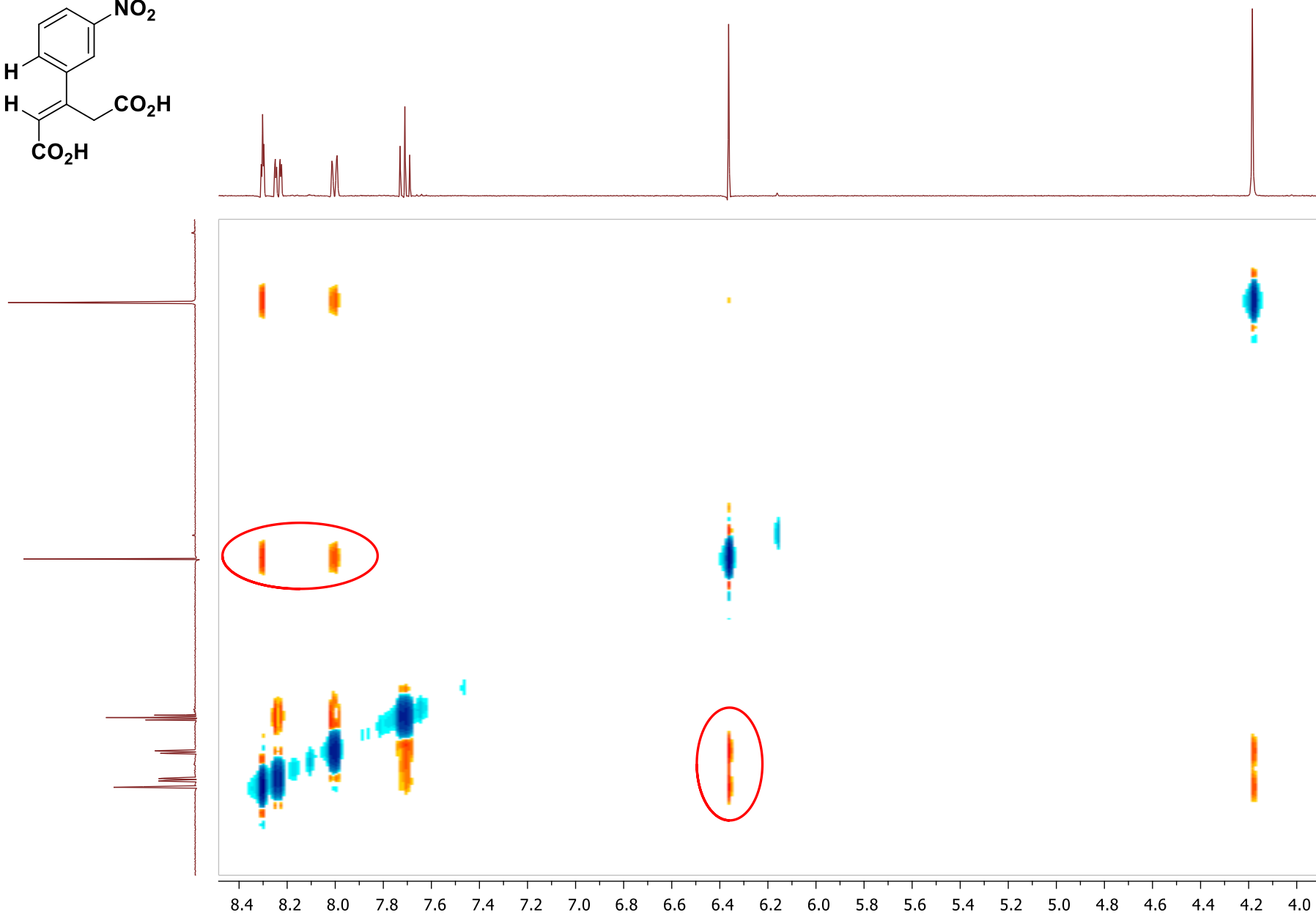
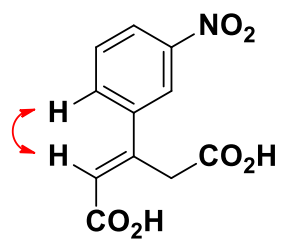
^1H NMR spectrum of compound **1g**



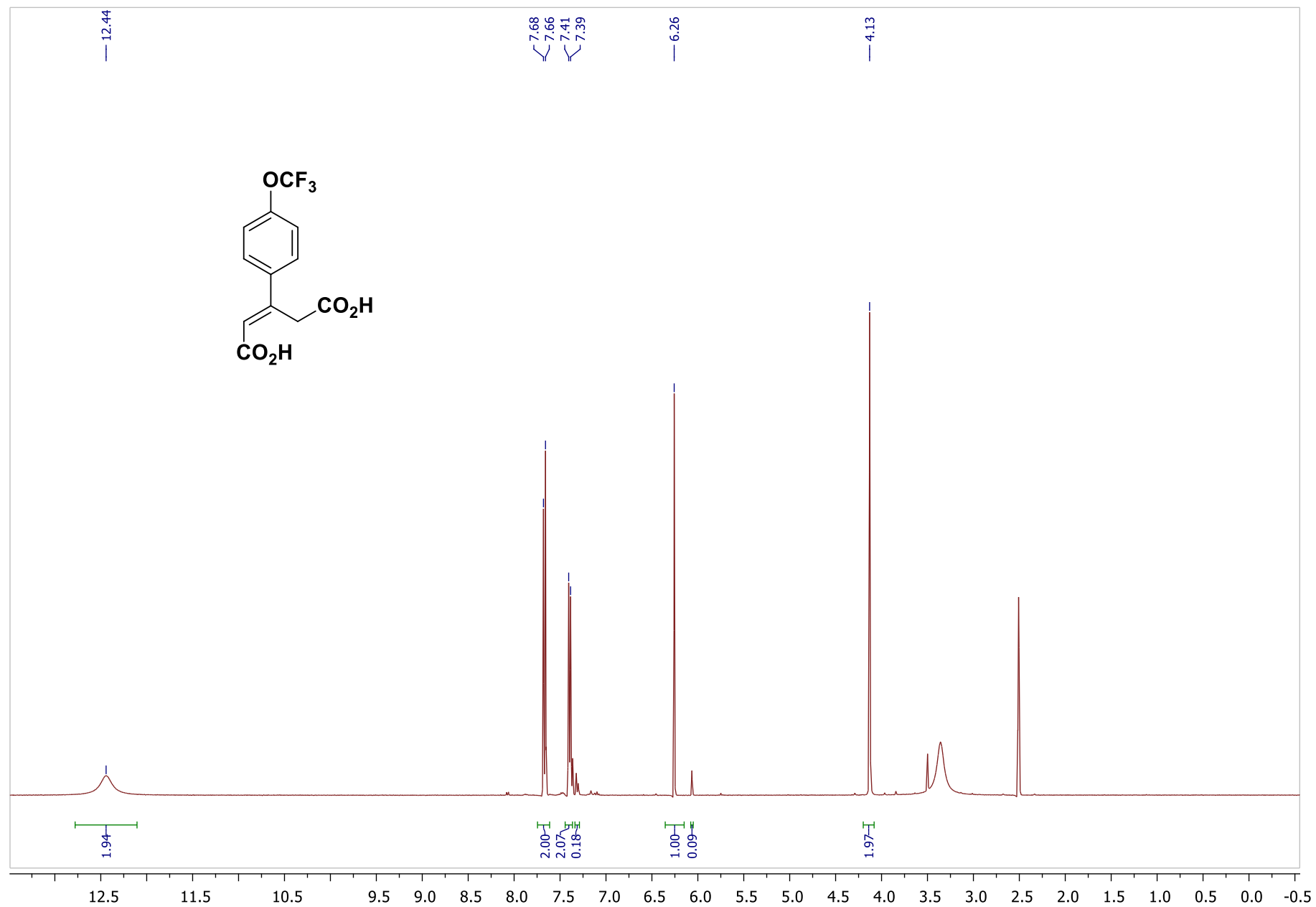
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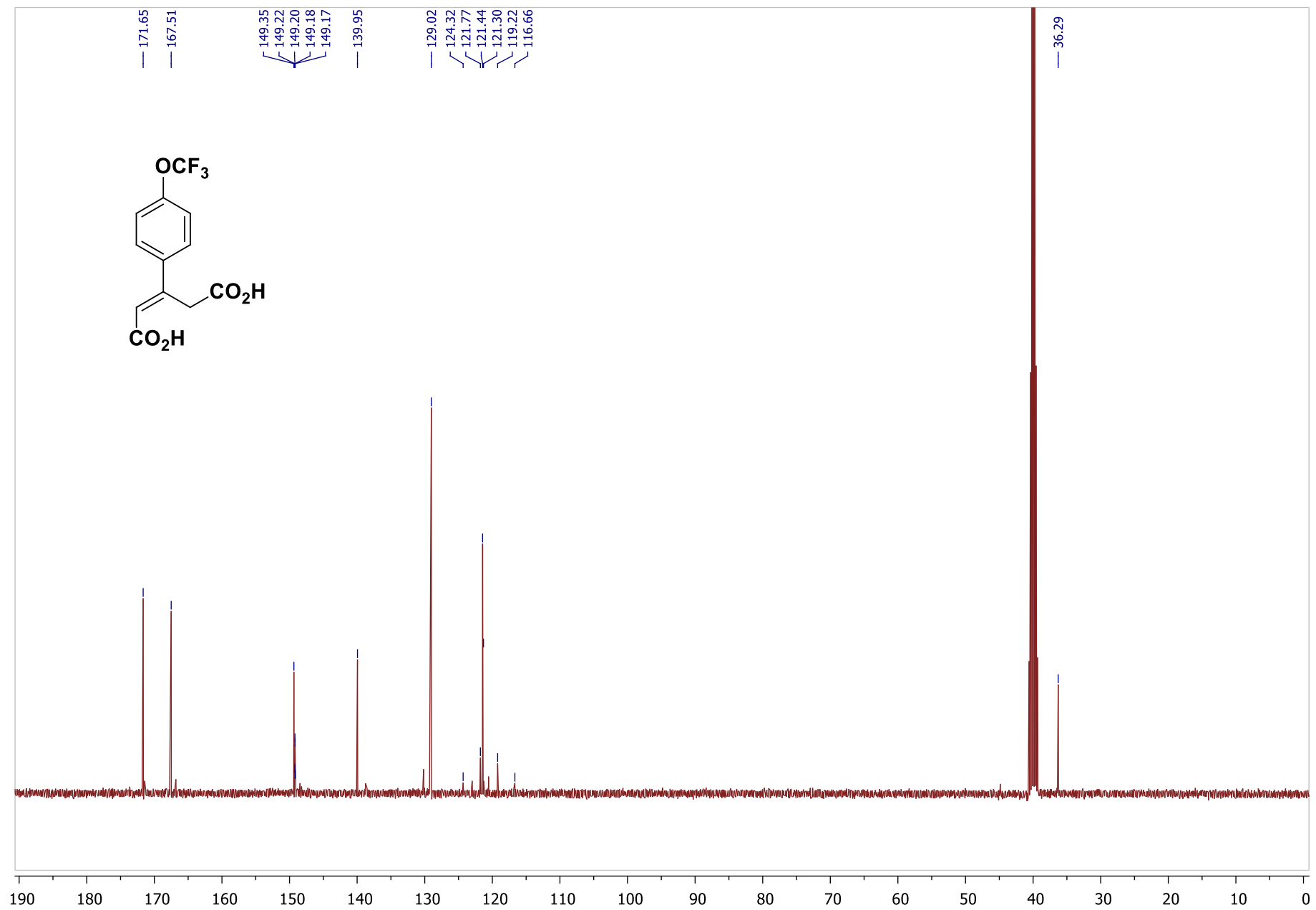
NOESY spectrum of compound **1g**



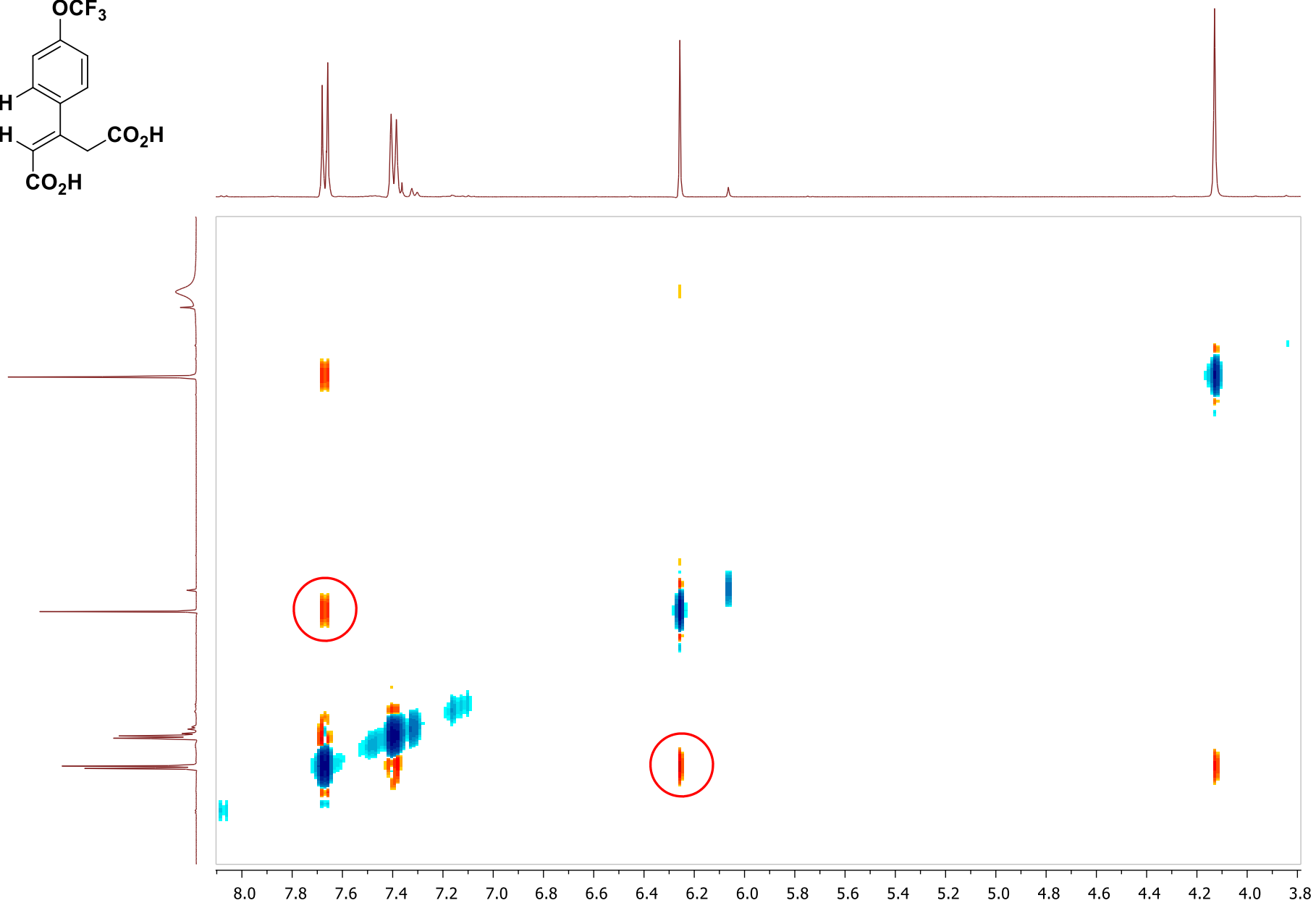
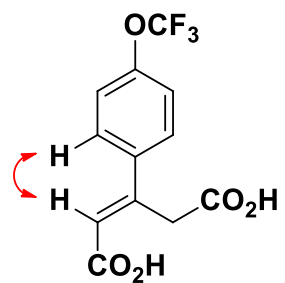
^1H NMR spectrum of compound **1h** (*E/Z* mixture 12:1)



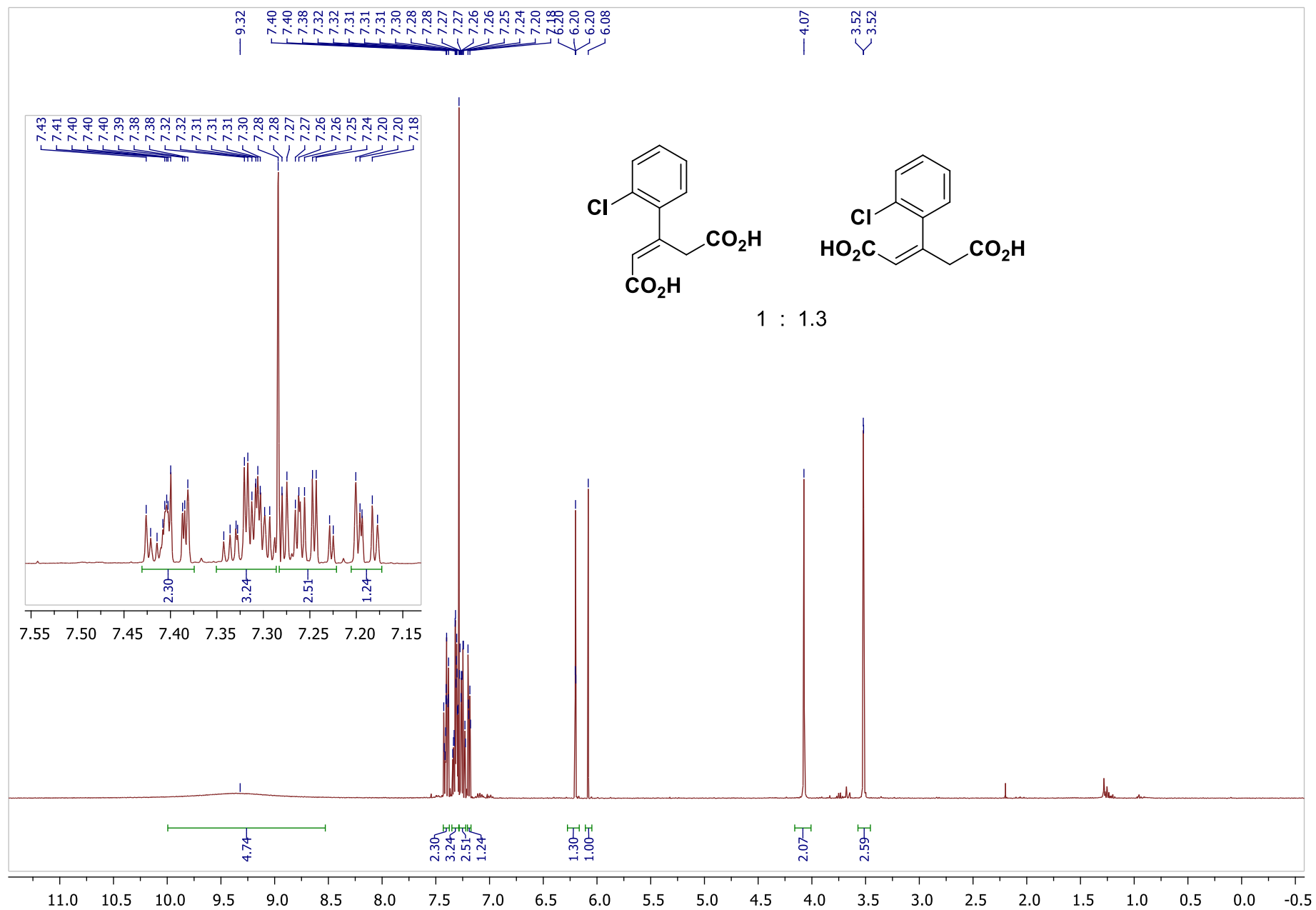
^{13}C NMR spectrum of compound **1h** (*E/Z* mixture 12:1)



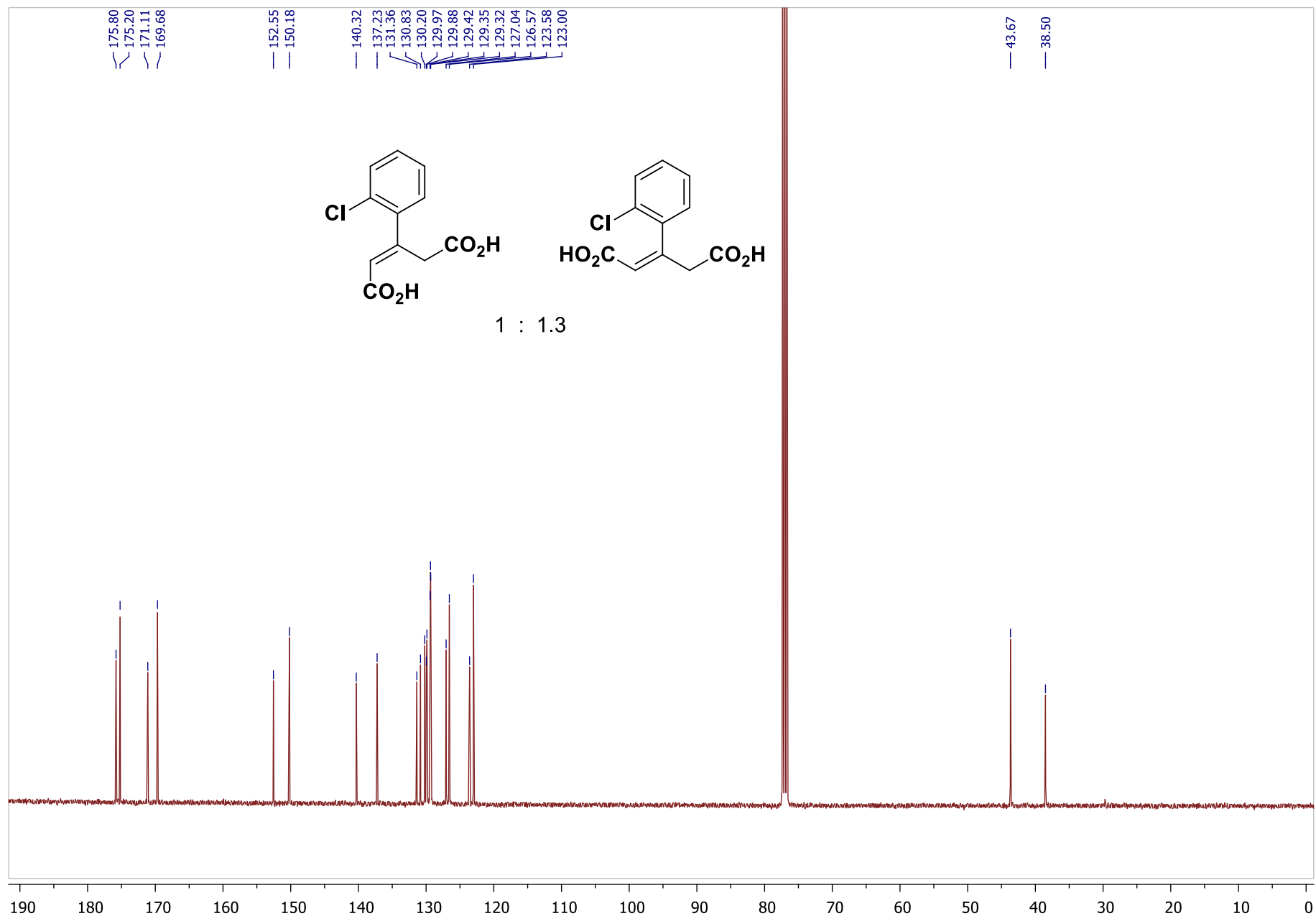
NOESY spectrum of compound **1h** (*E/Z* mixture 12:1)



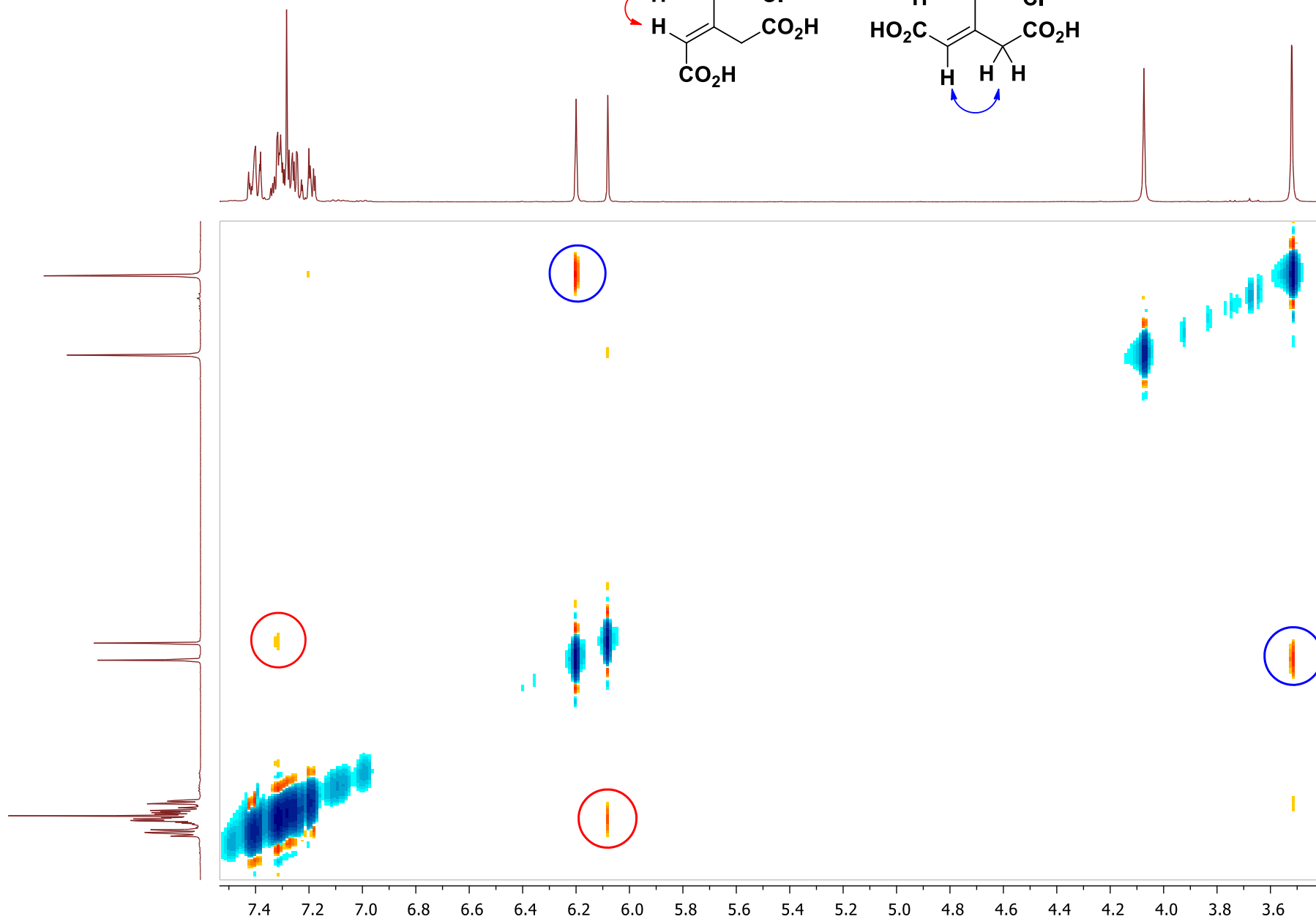
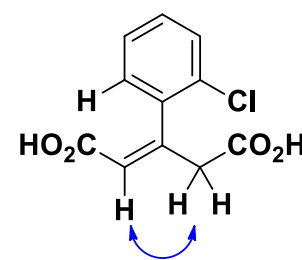
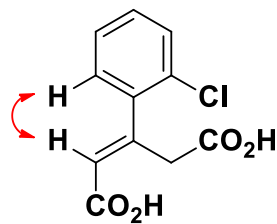
^1H NMR spectrum of compound **1i** (*E/Z* mixture 1:1.3)



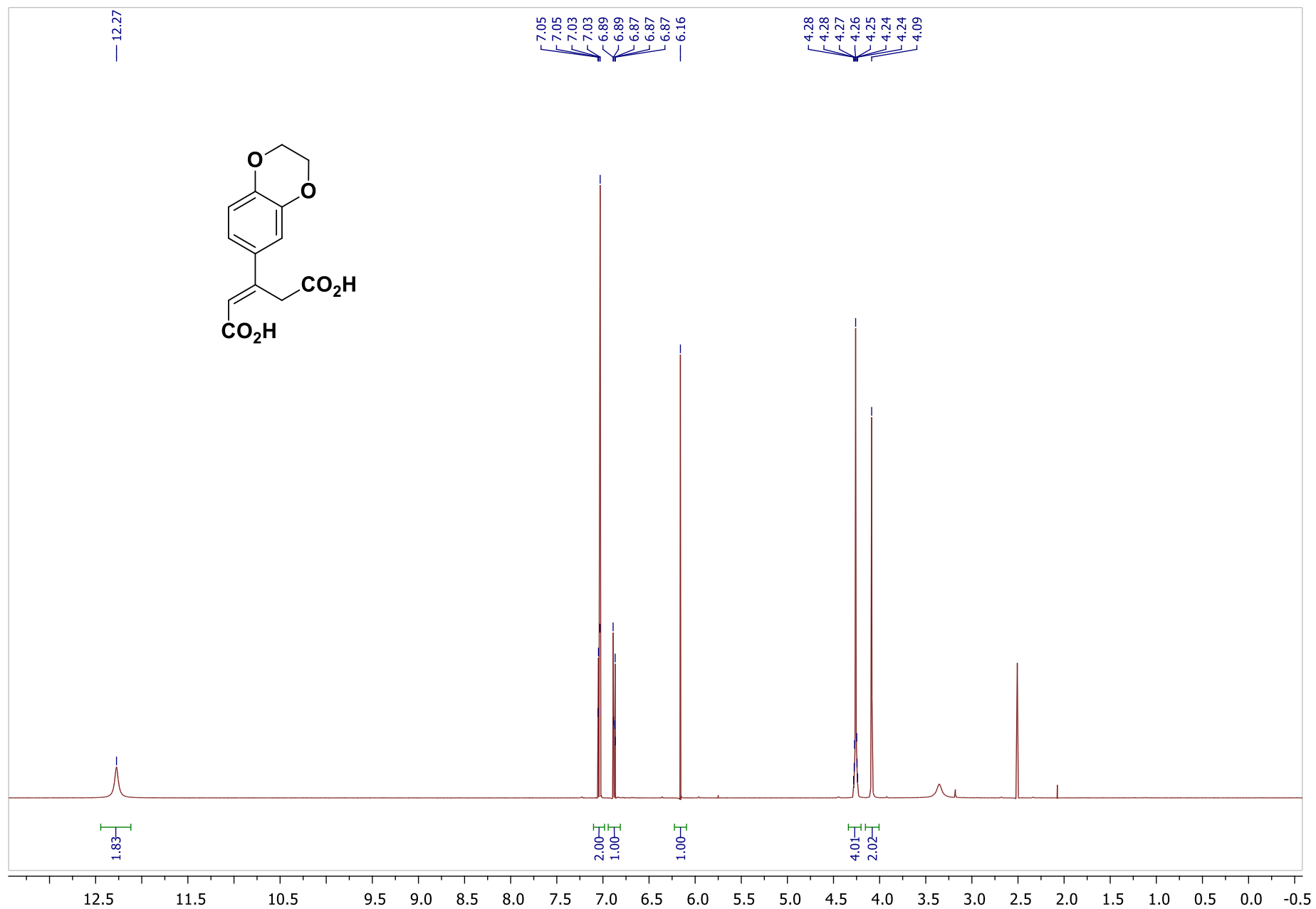
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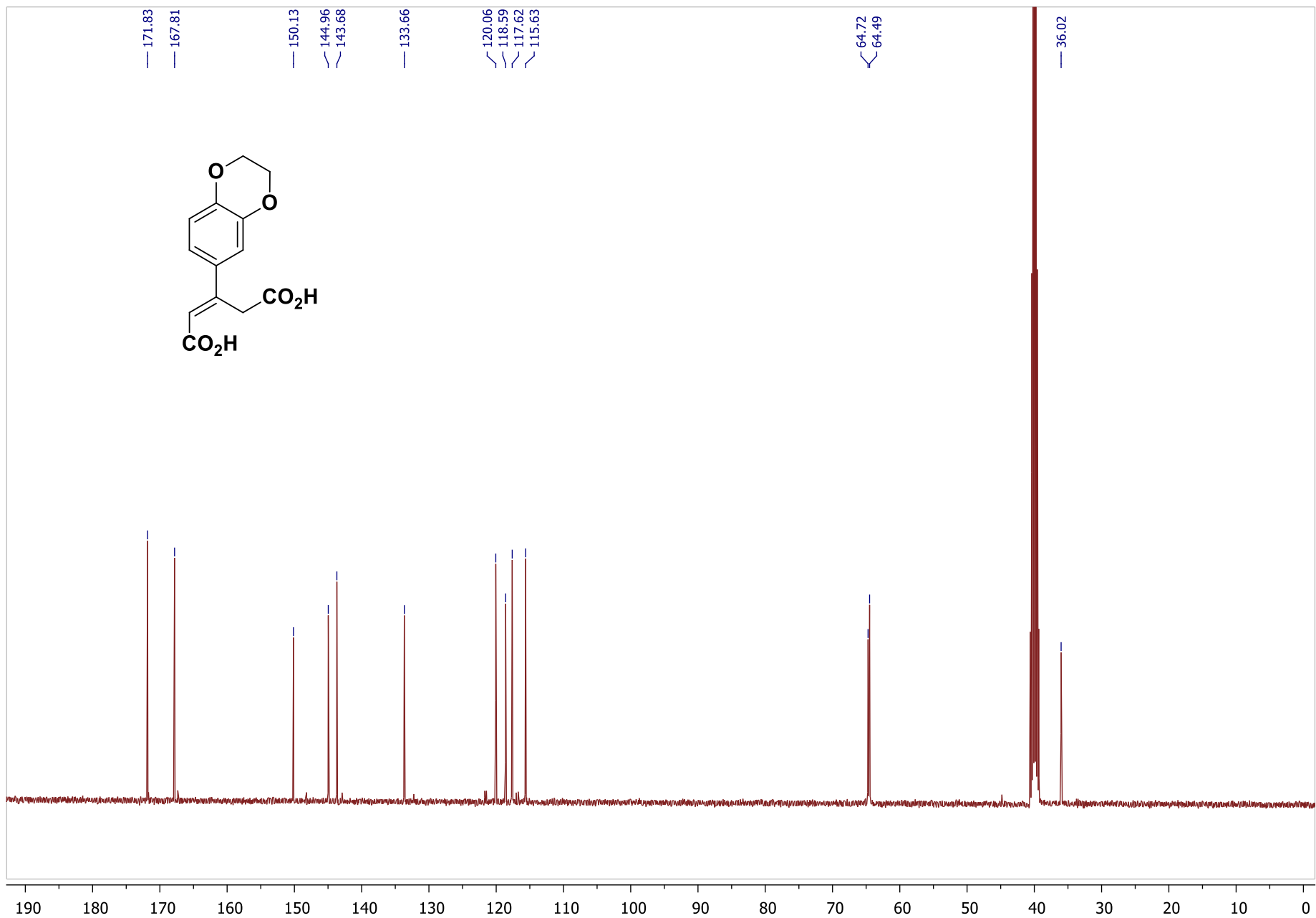
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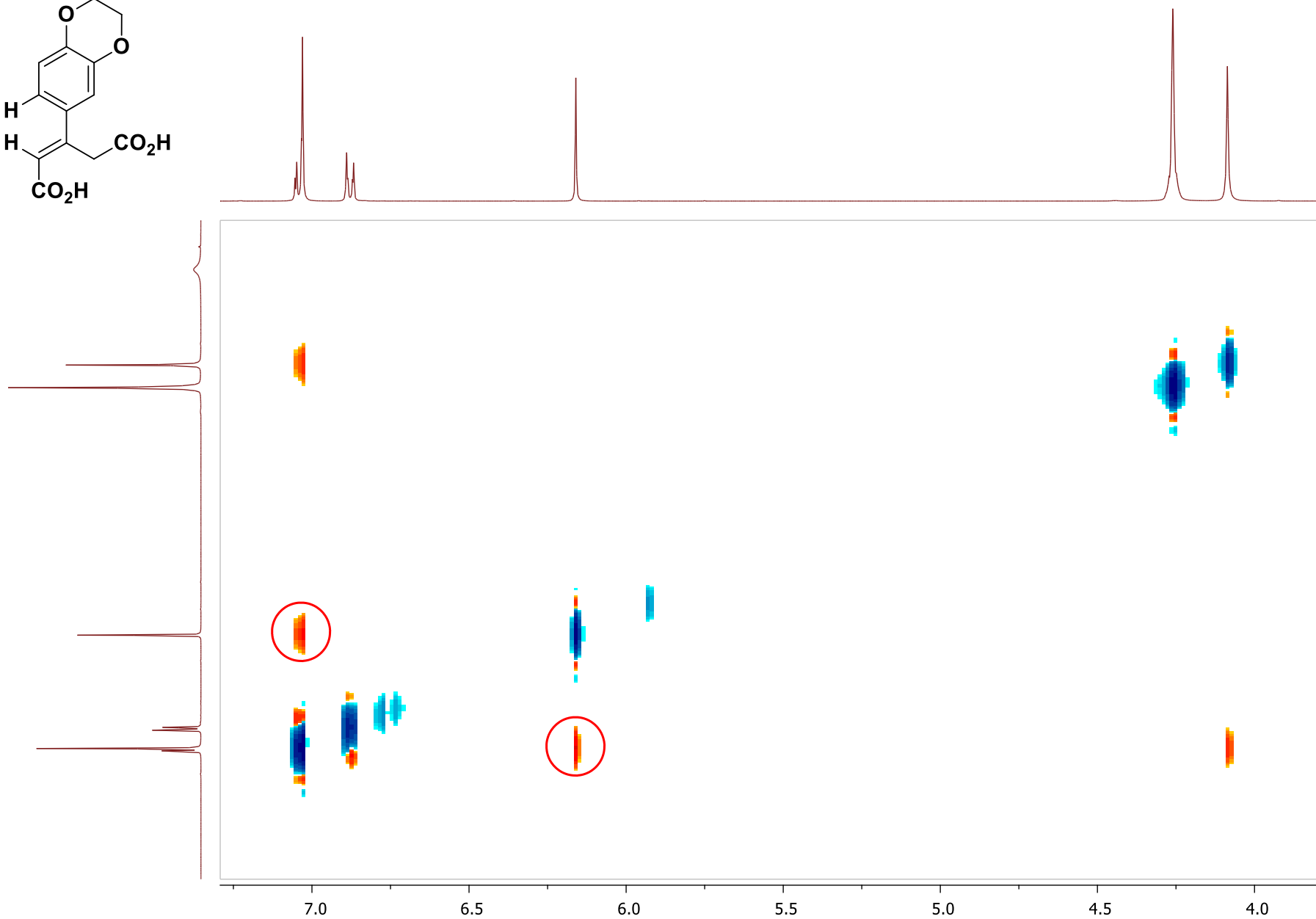
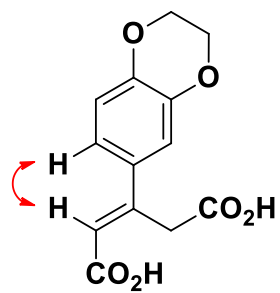
¹H NMR spectrum of compound **1j**



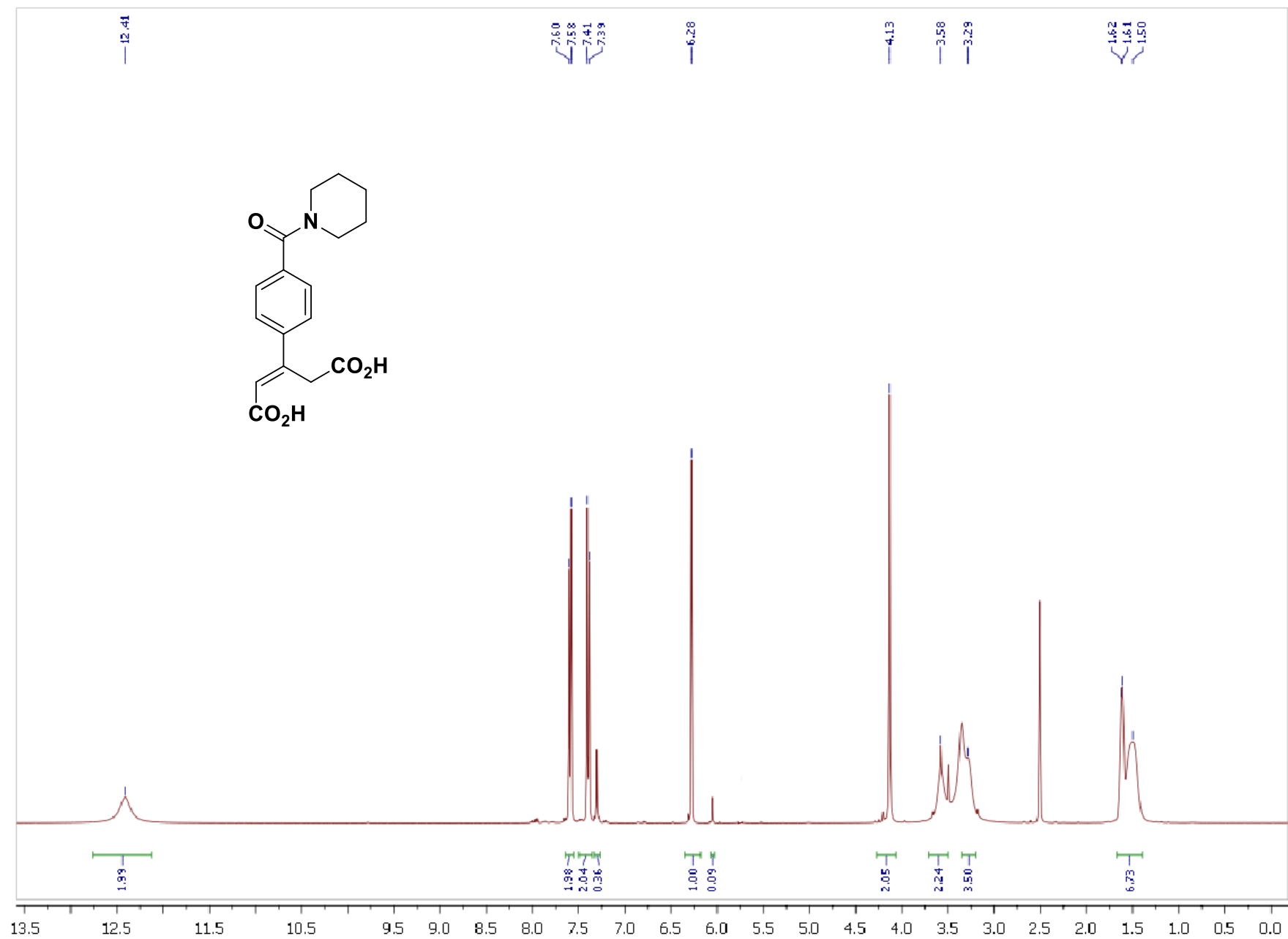
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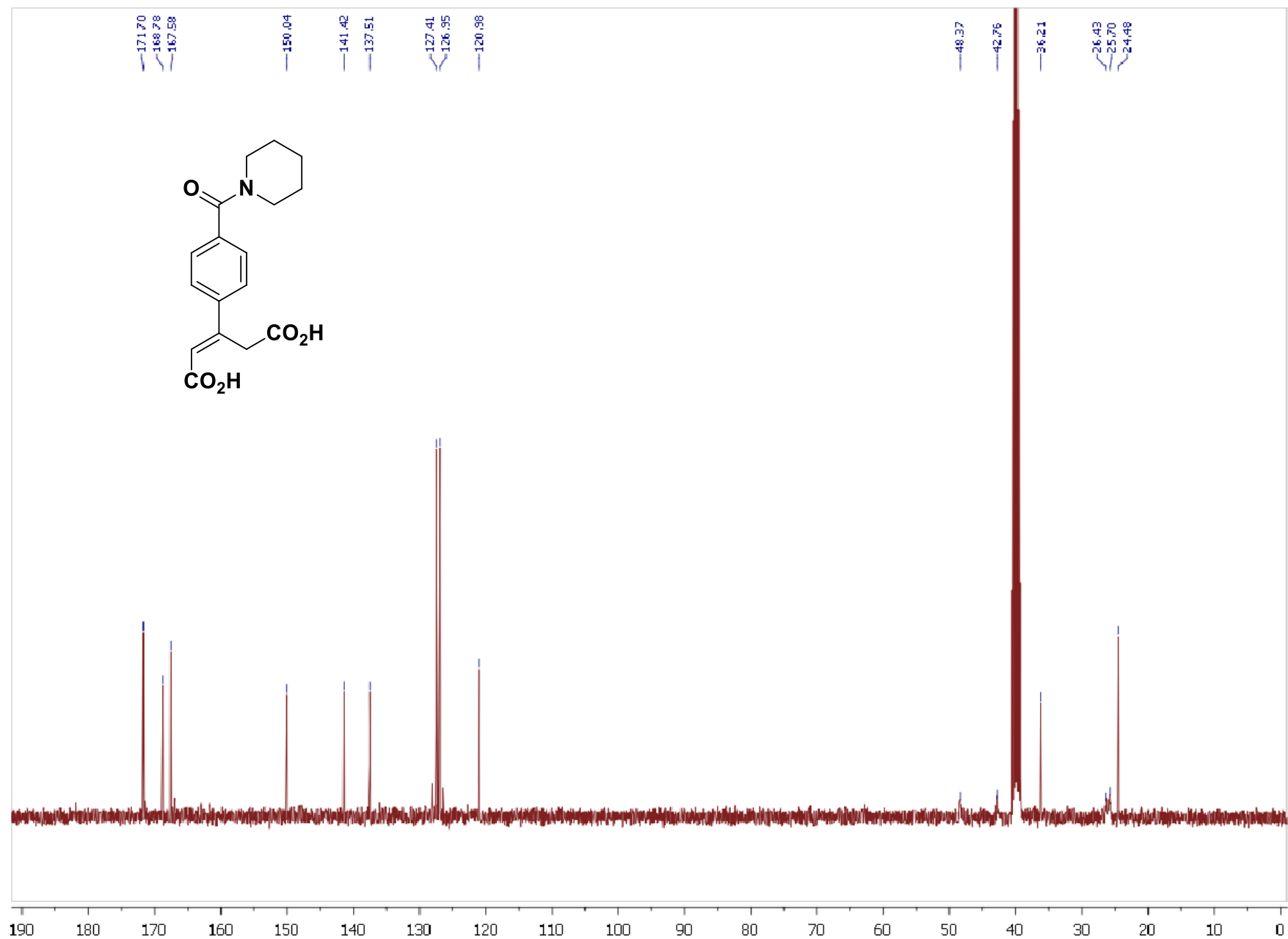
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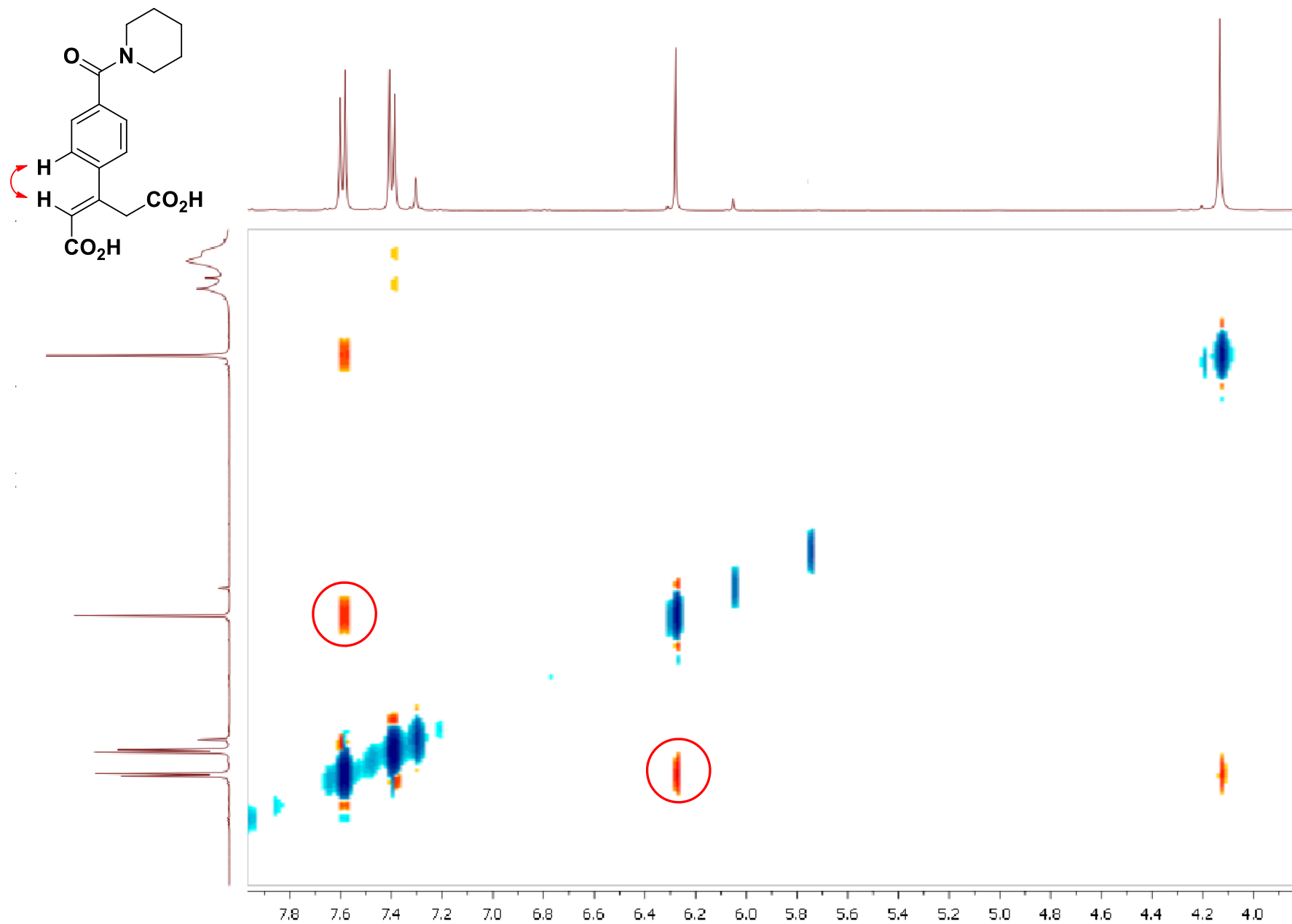
^1H NMR spectrum of compound **1k** (*E/Z* mixture 10:1)



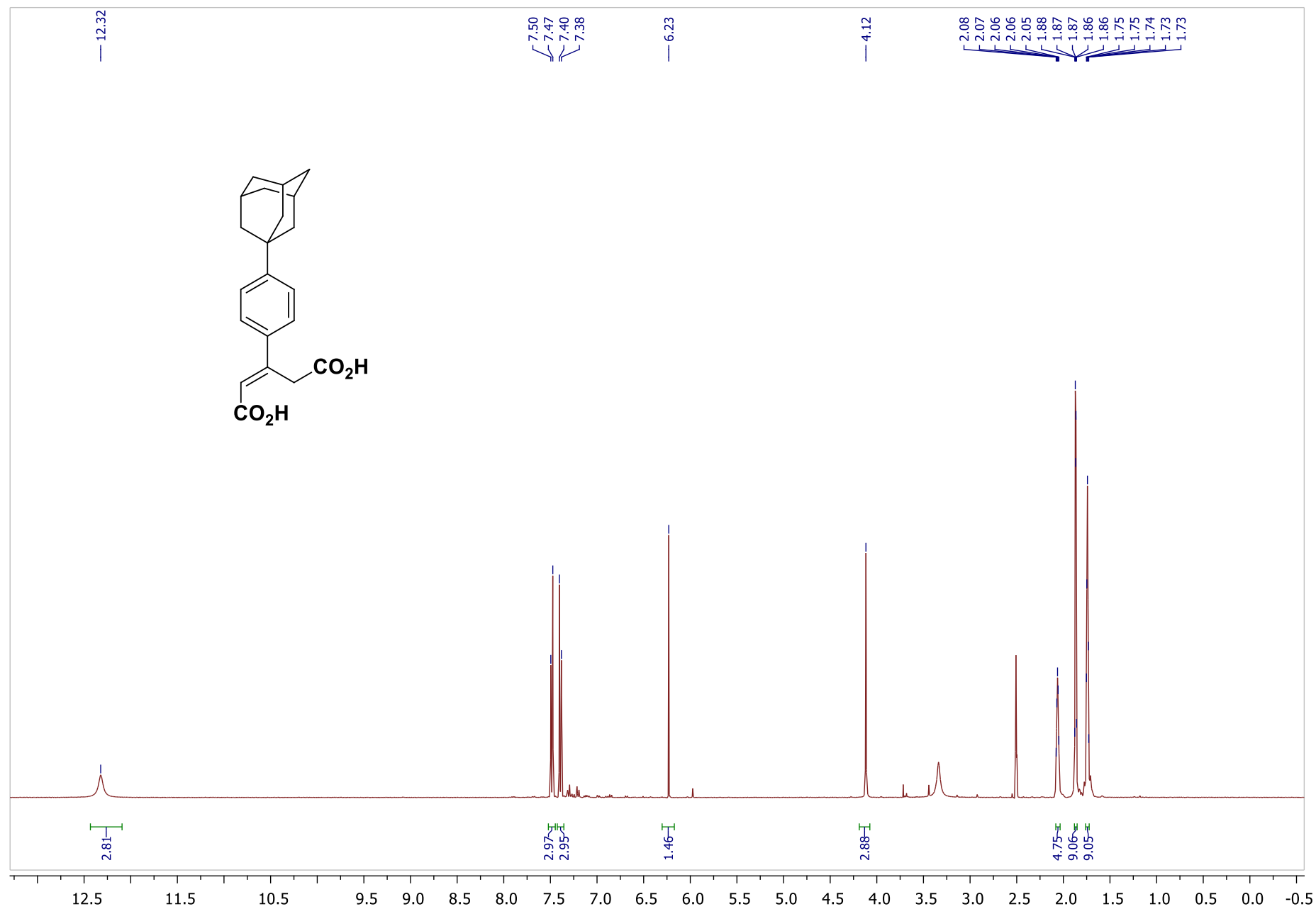
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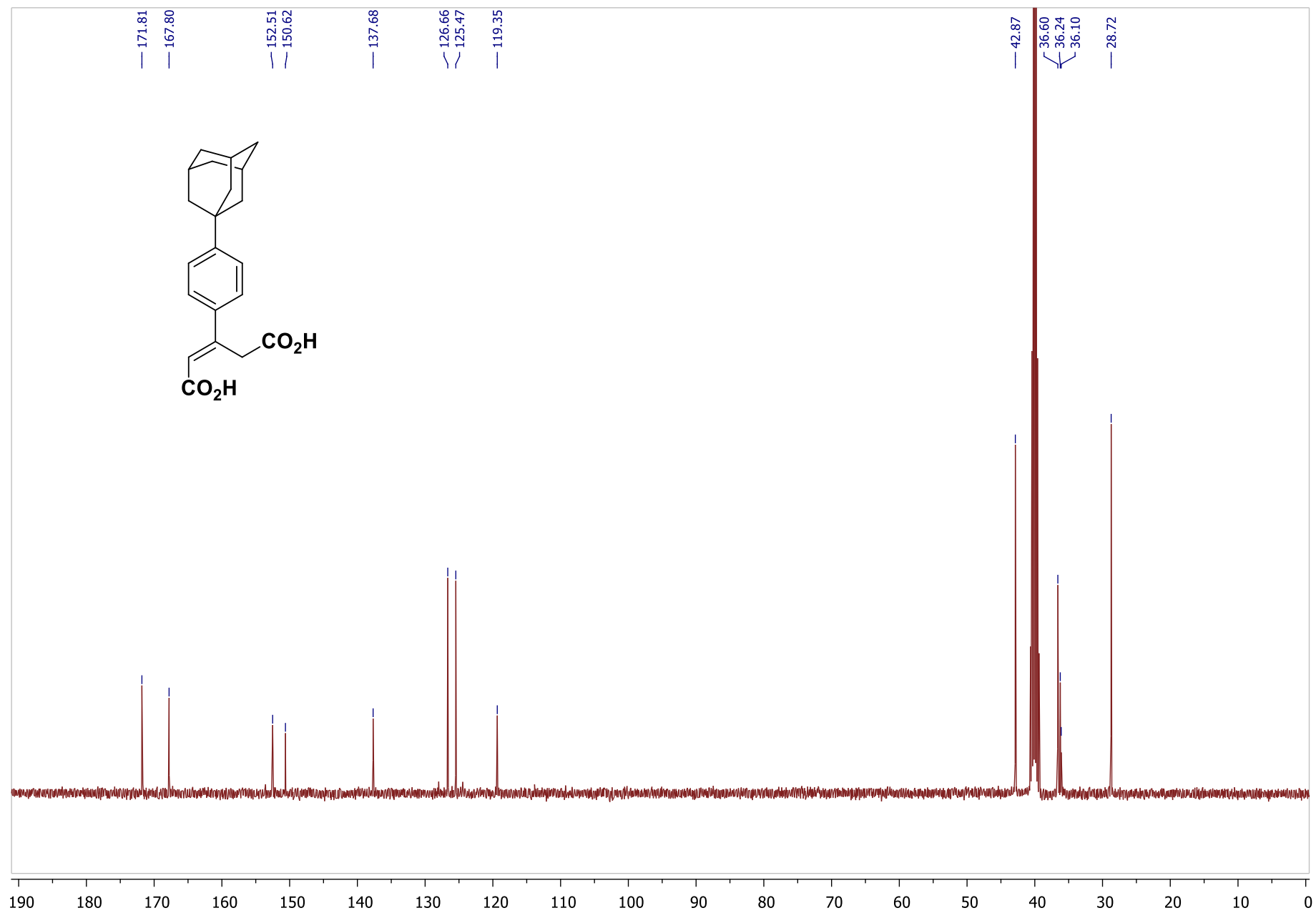
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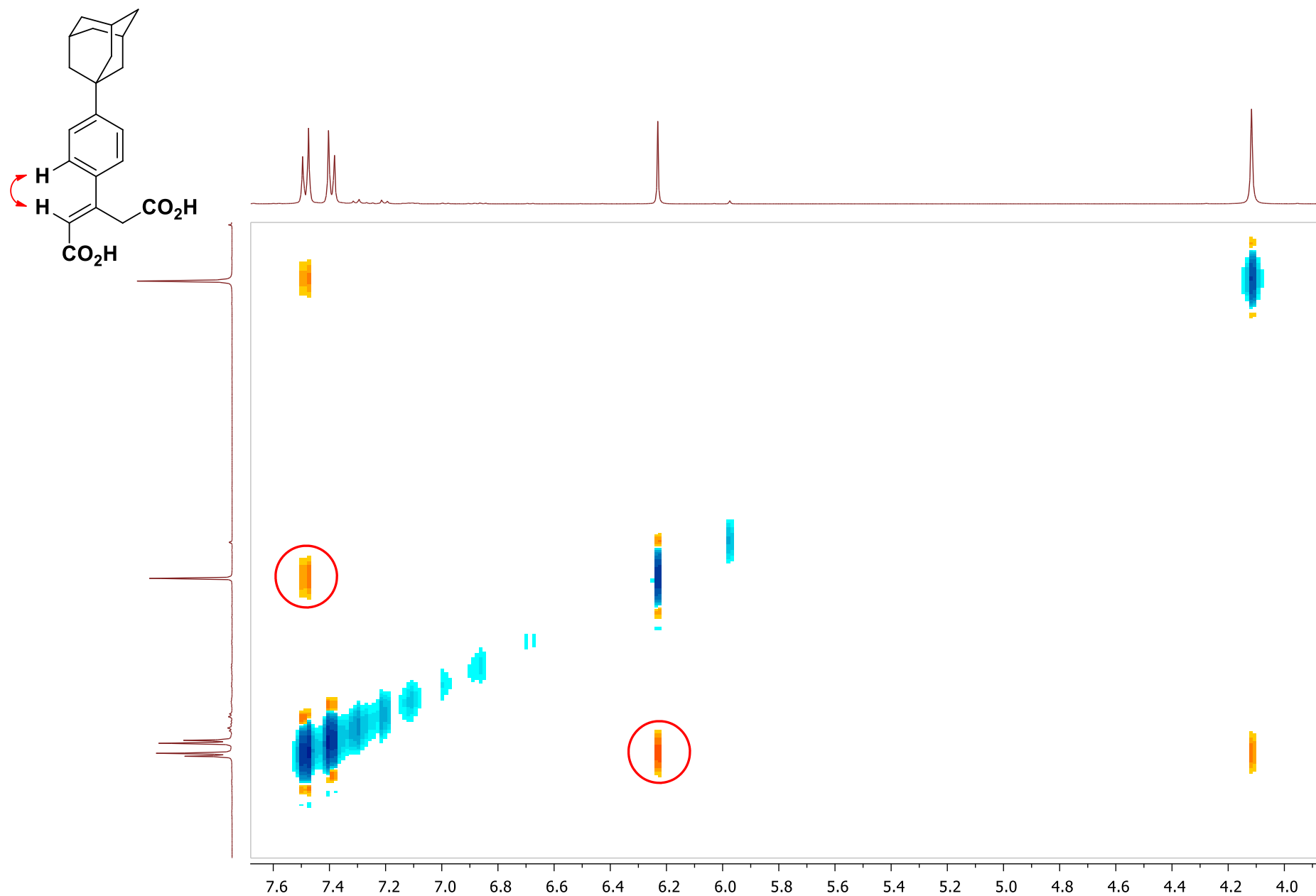
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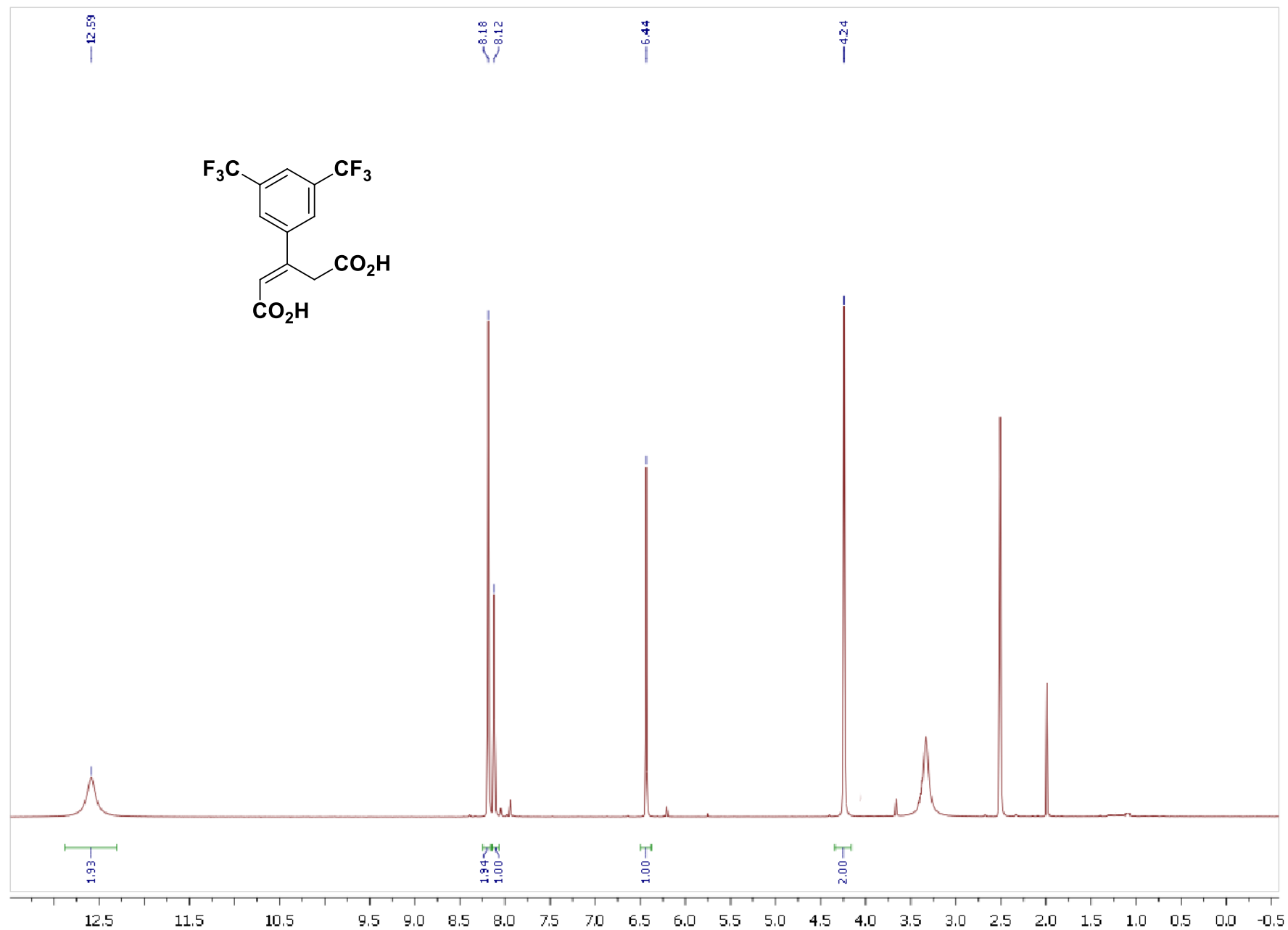
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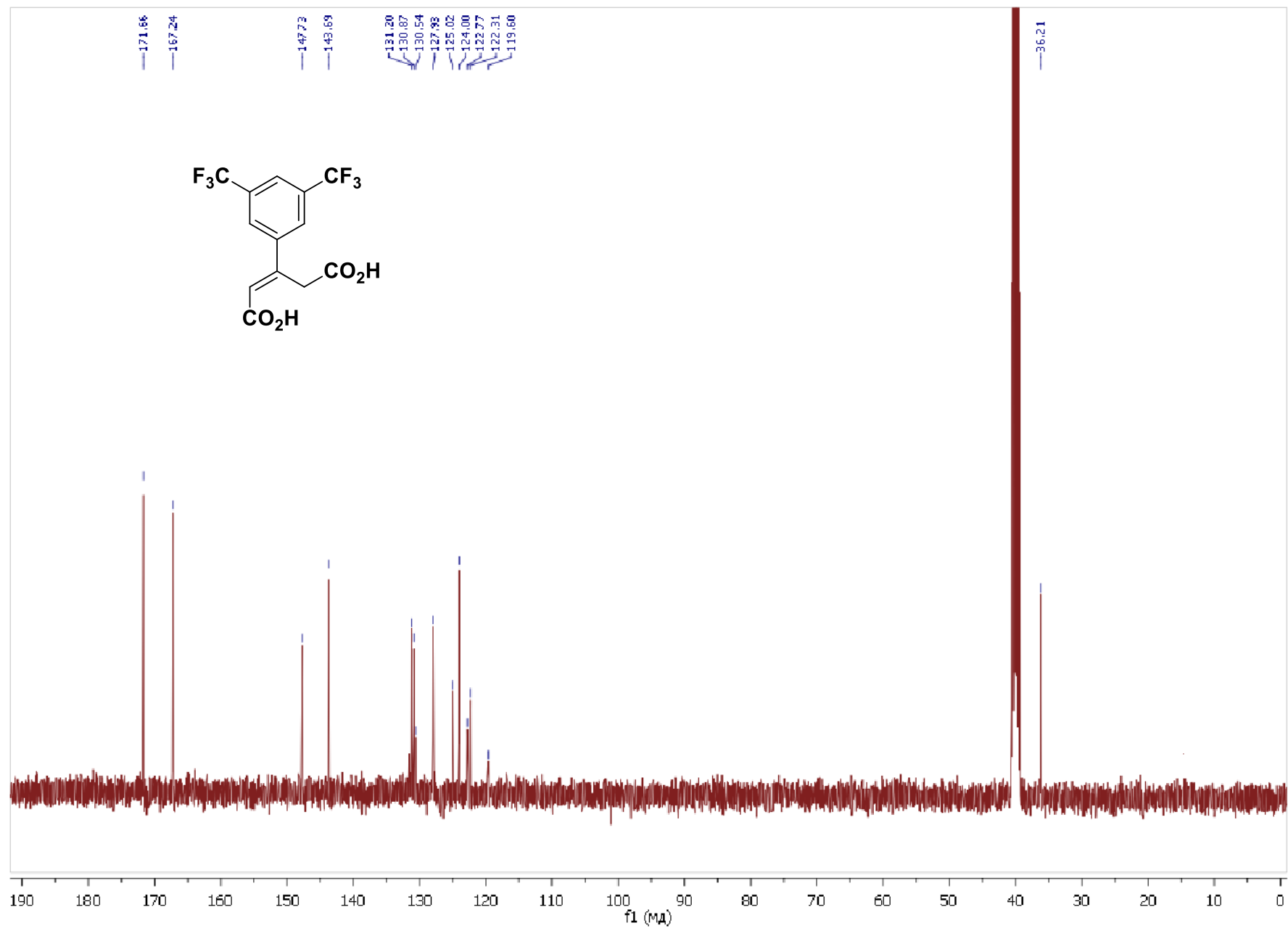
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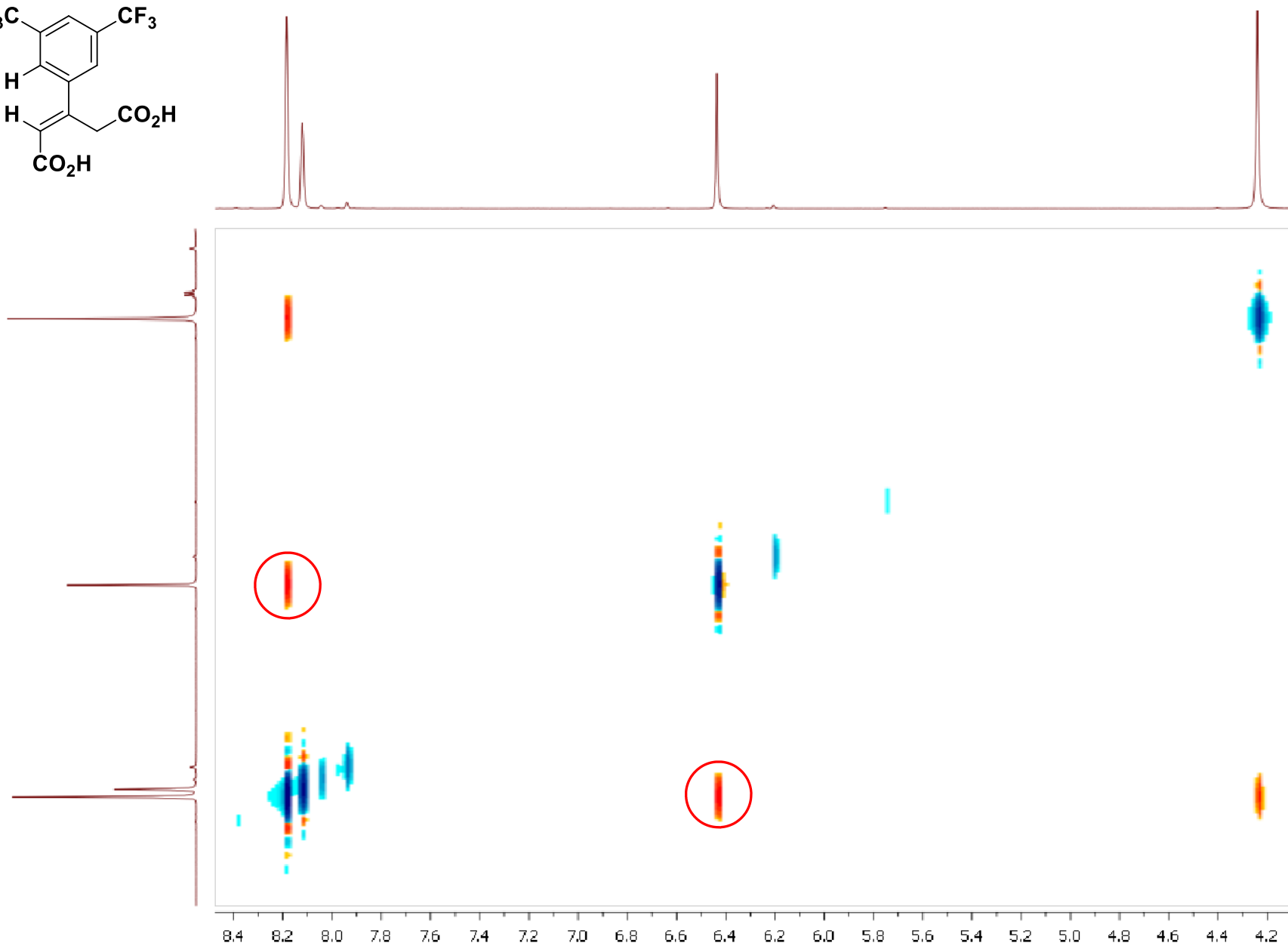
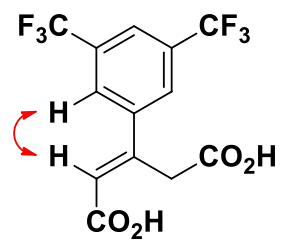
^1H NMR spectrum of compound **1m** (*E/Z* mixture 20:1)



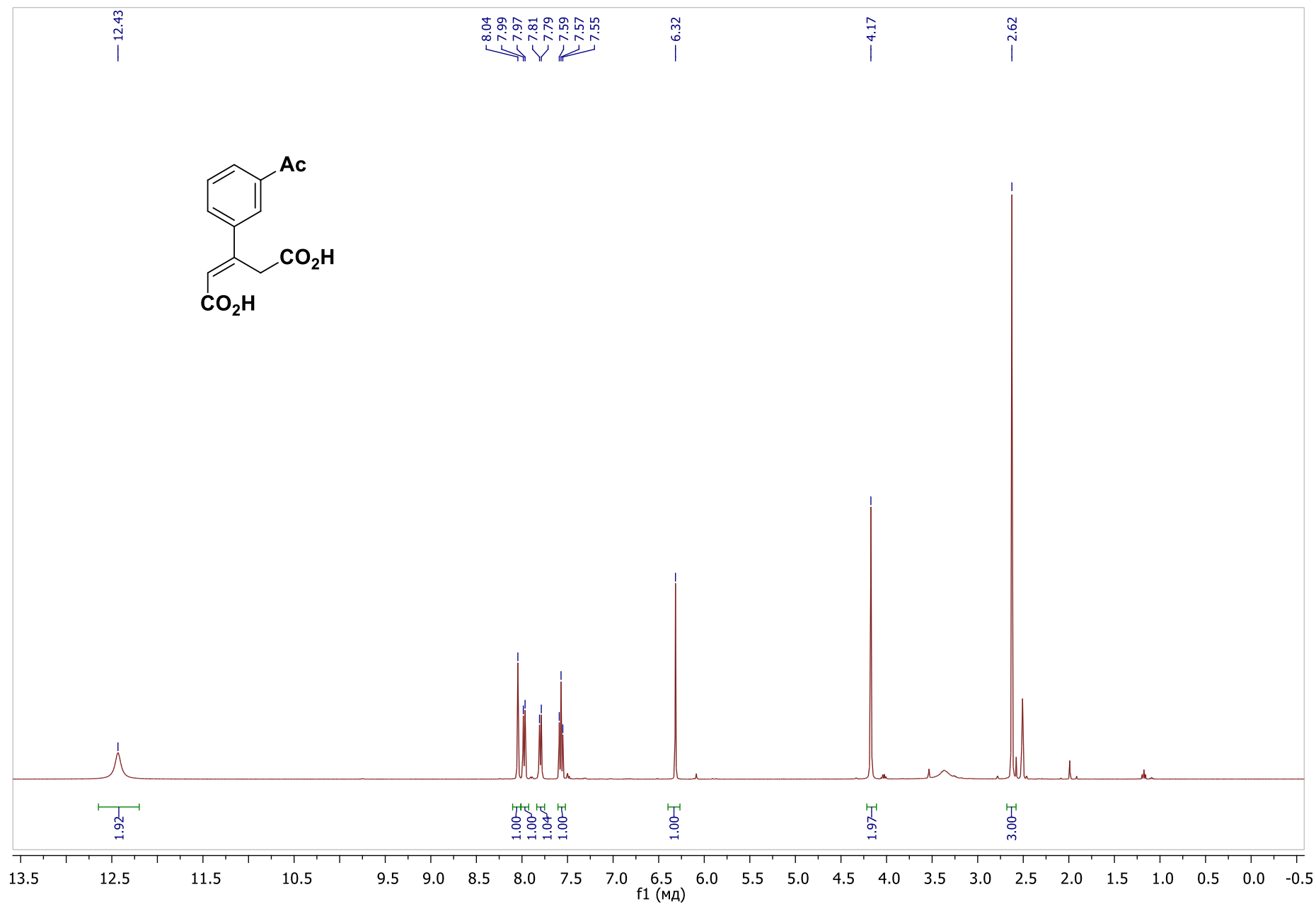
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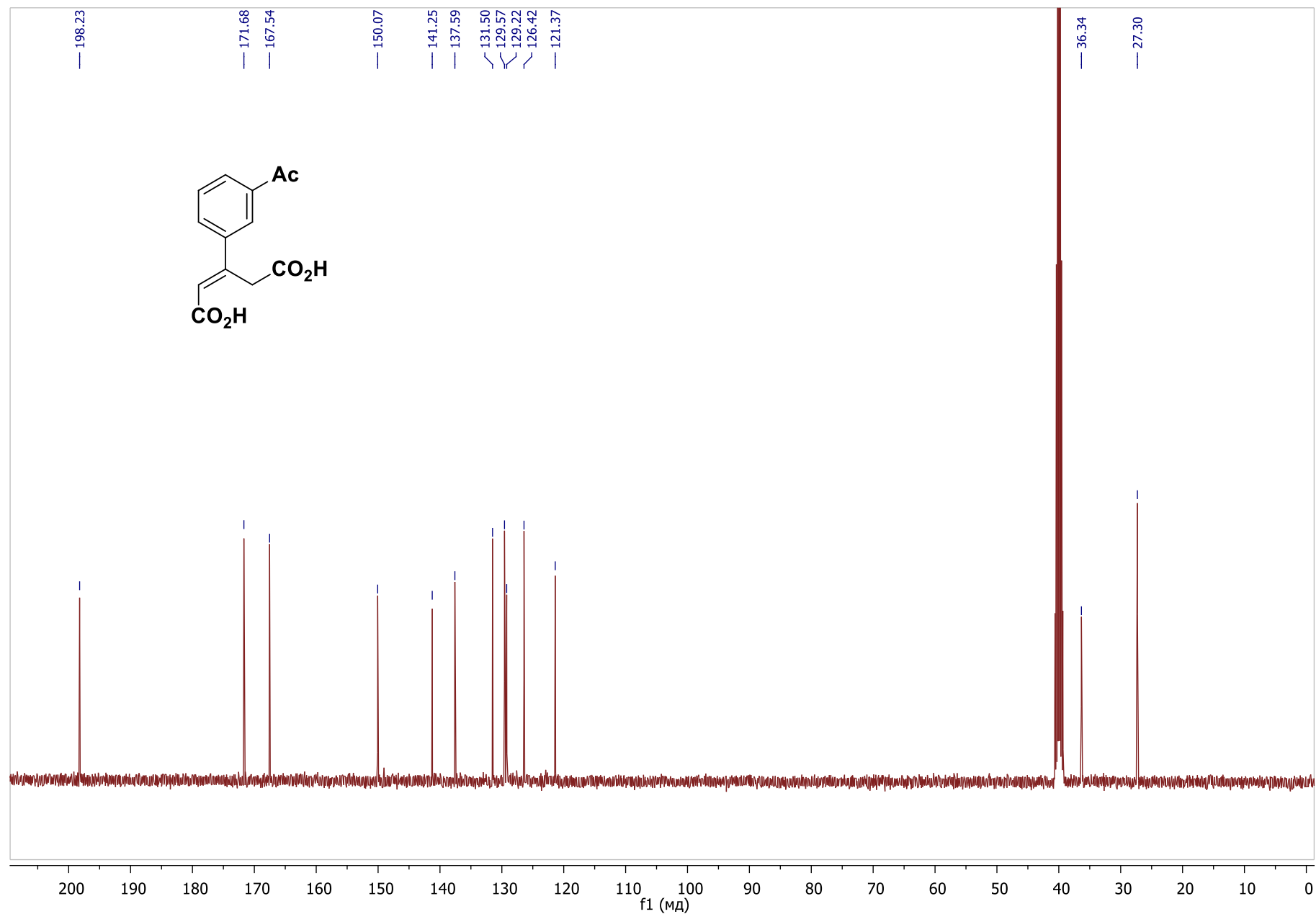
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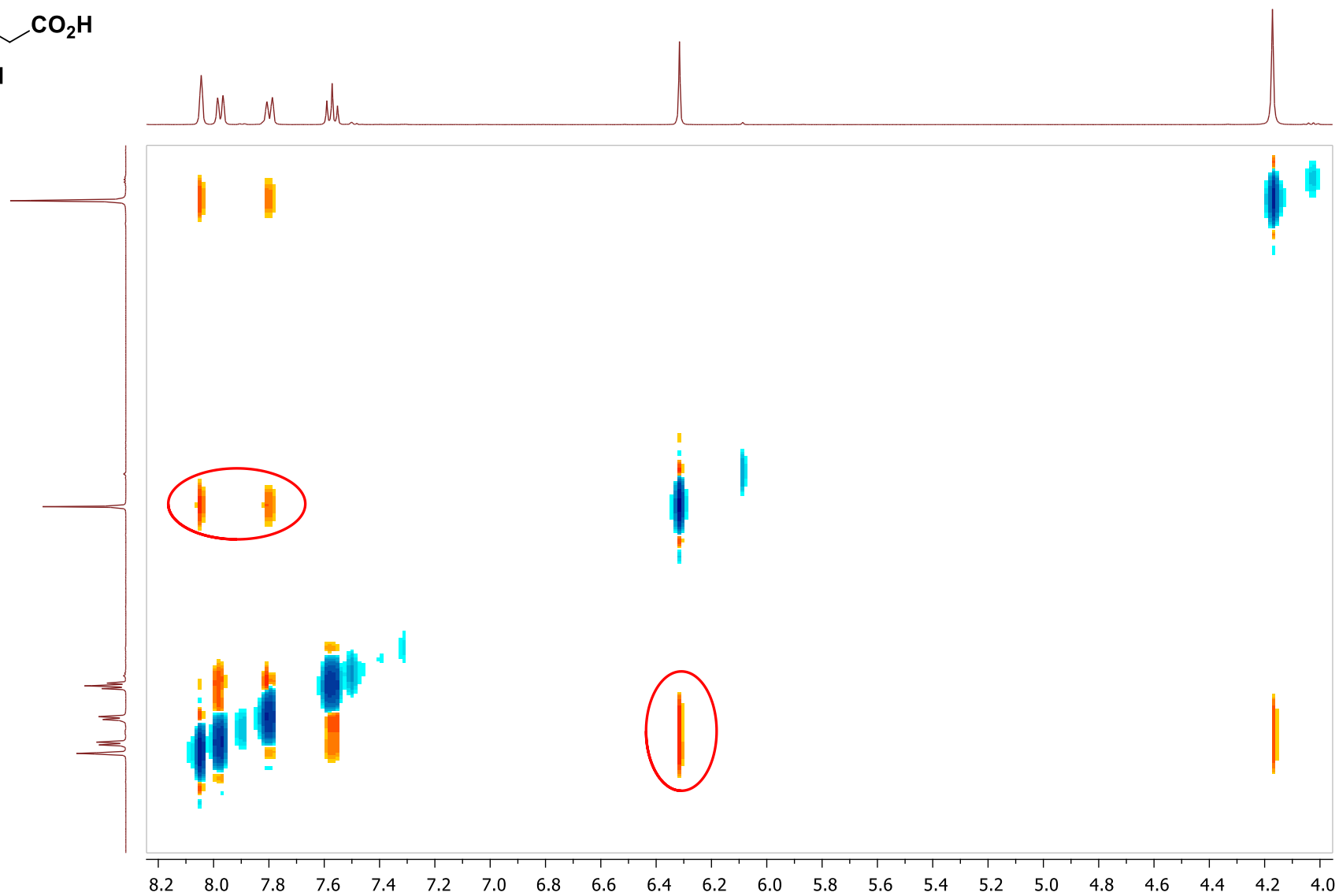
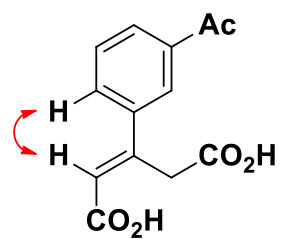
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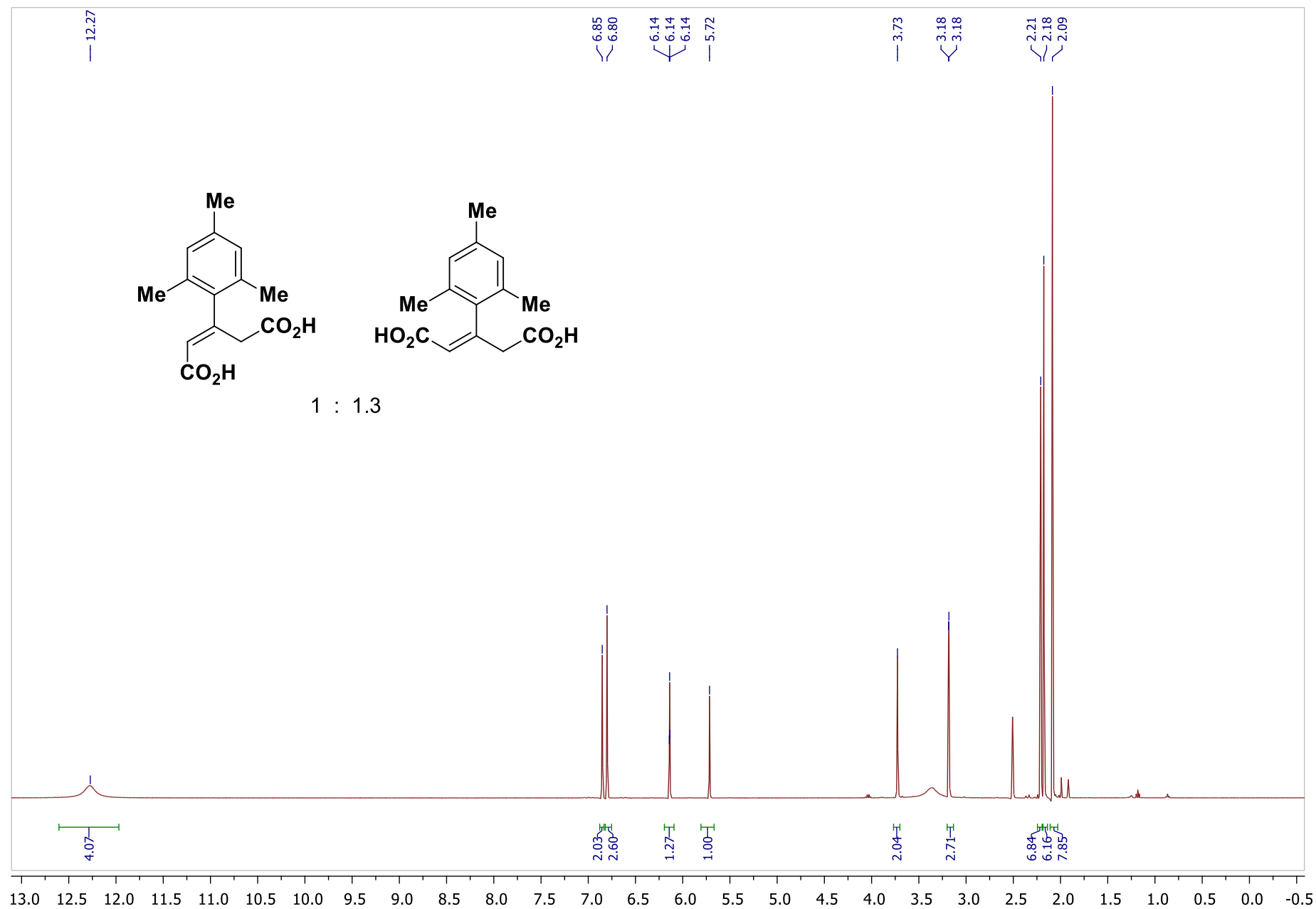
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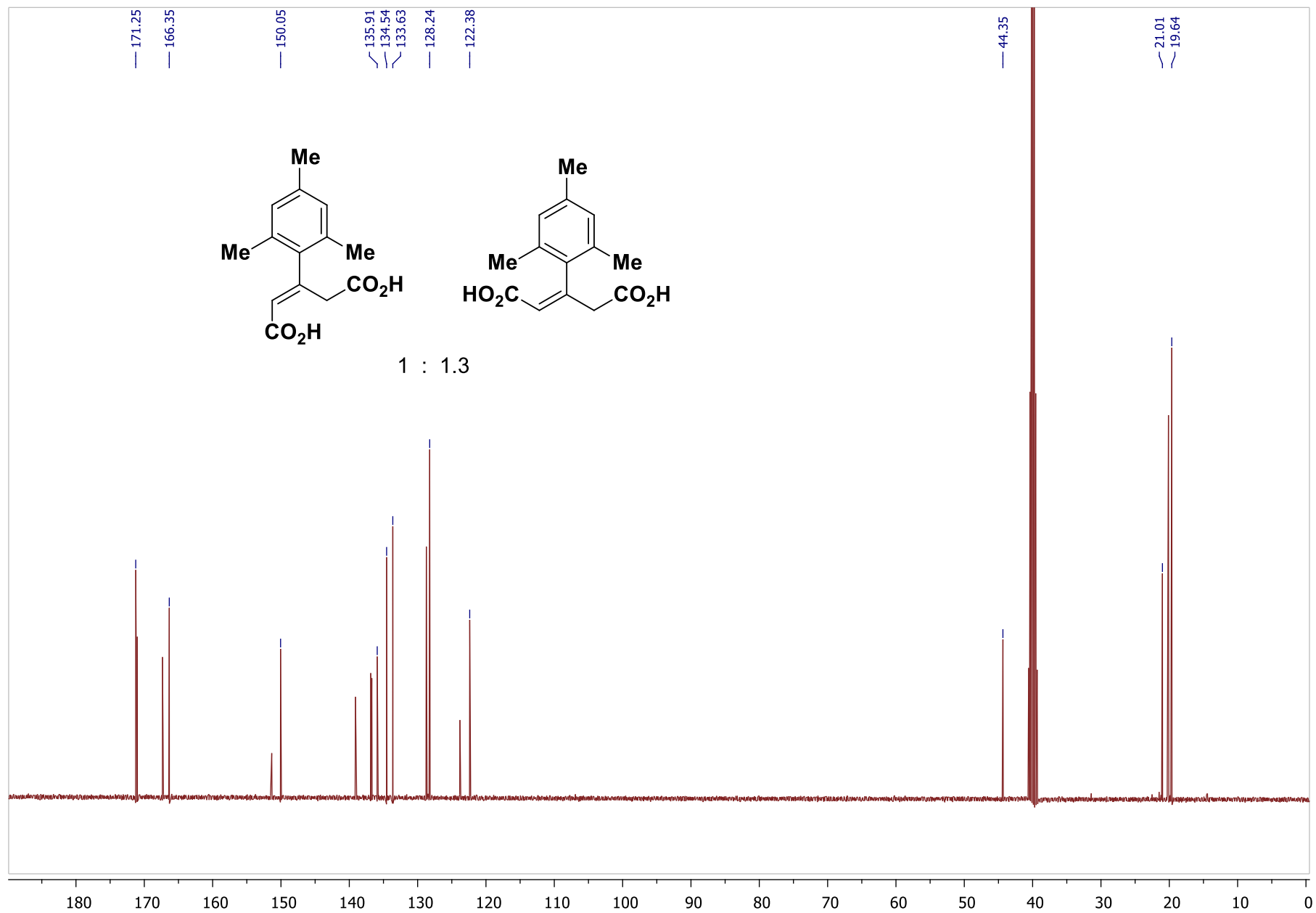
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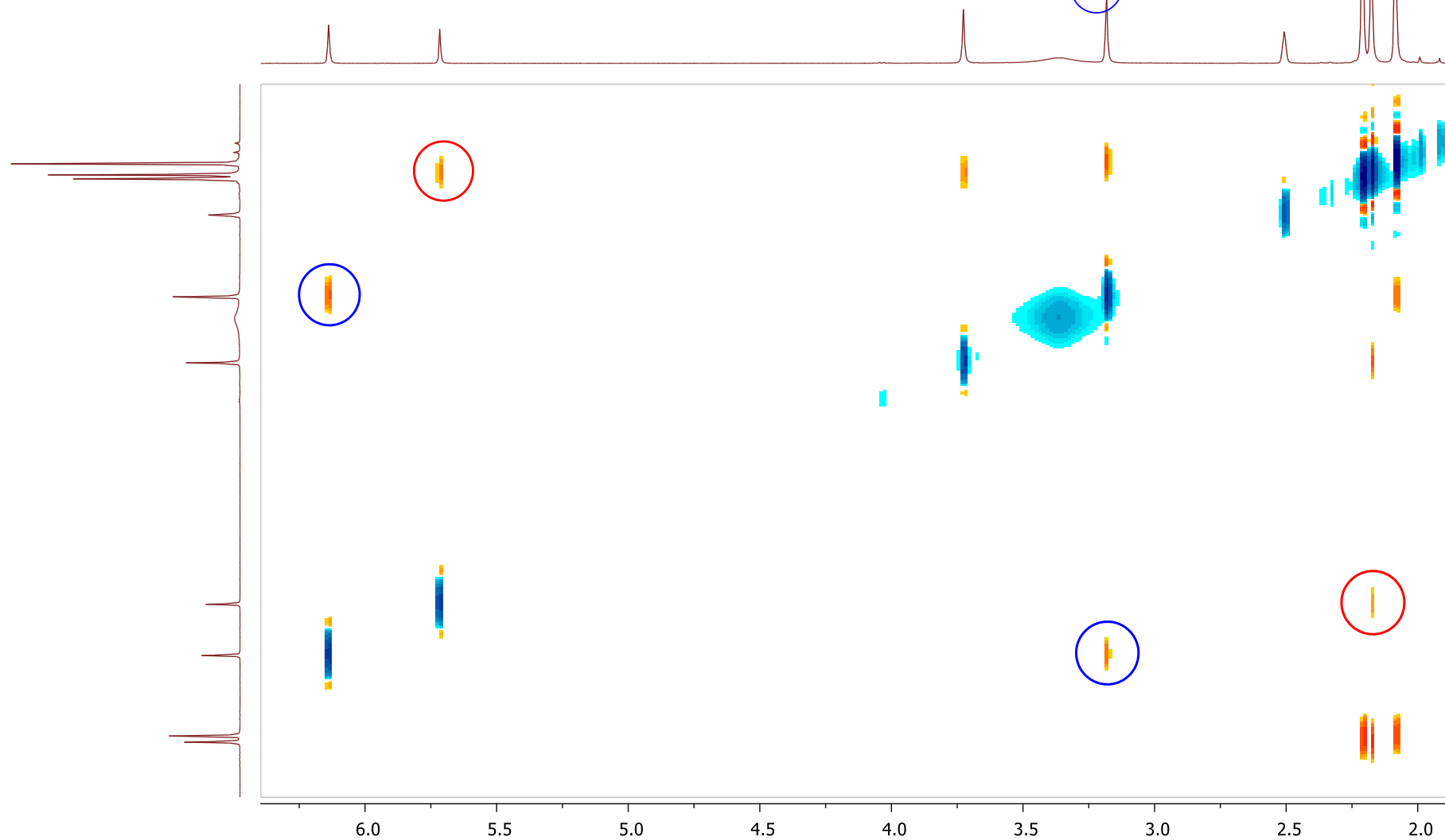
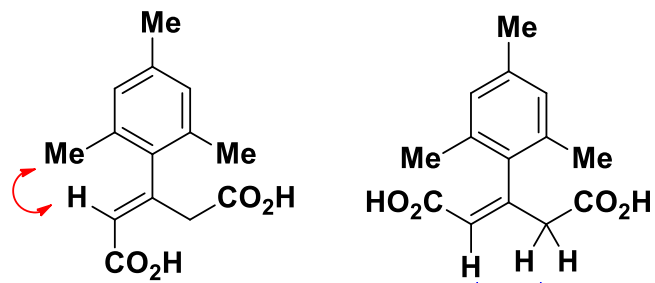
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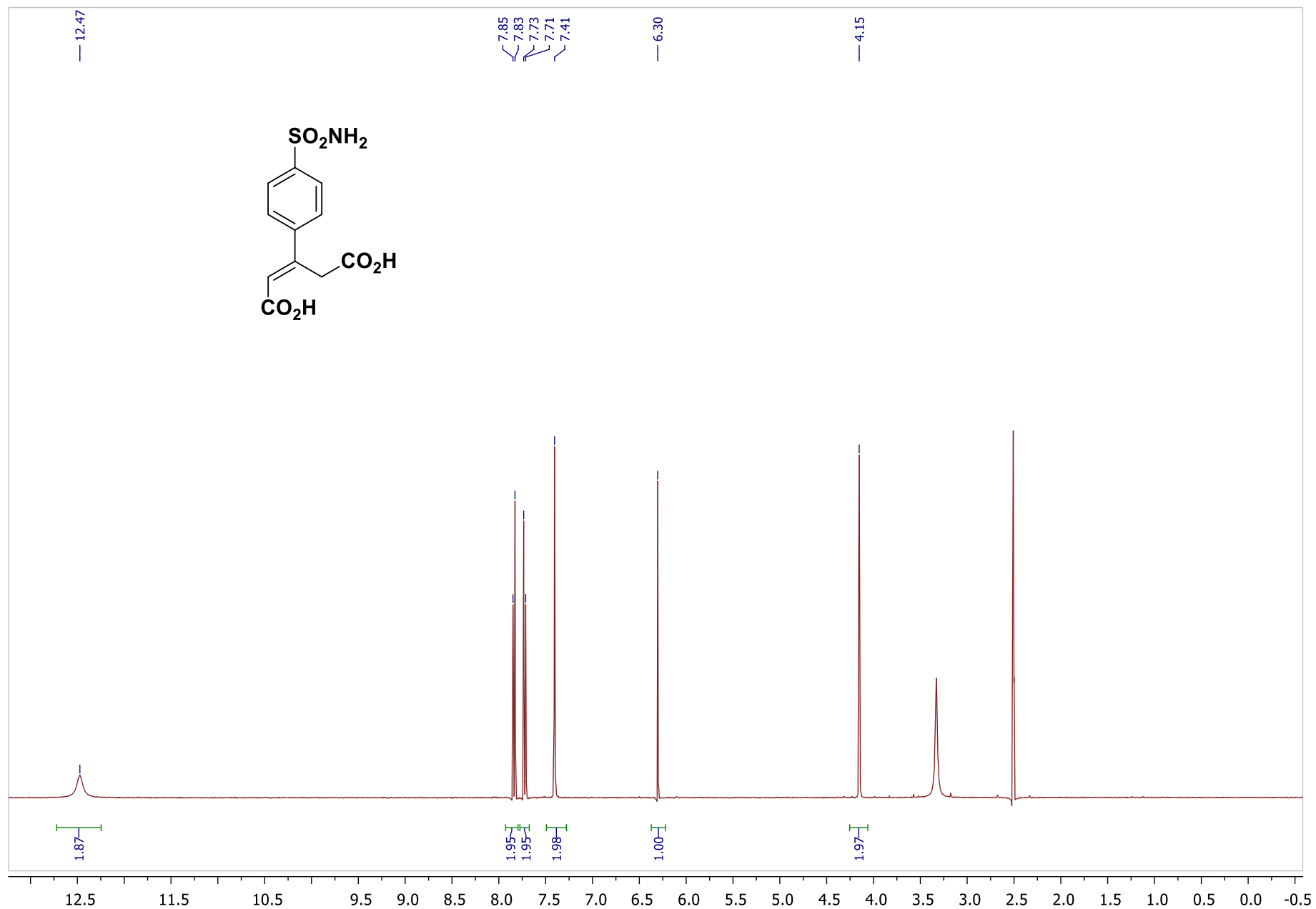
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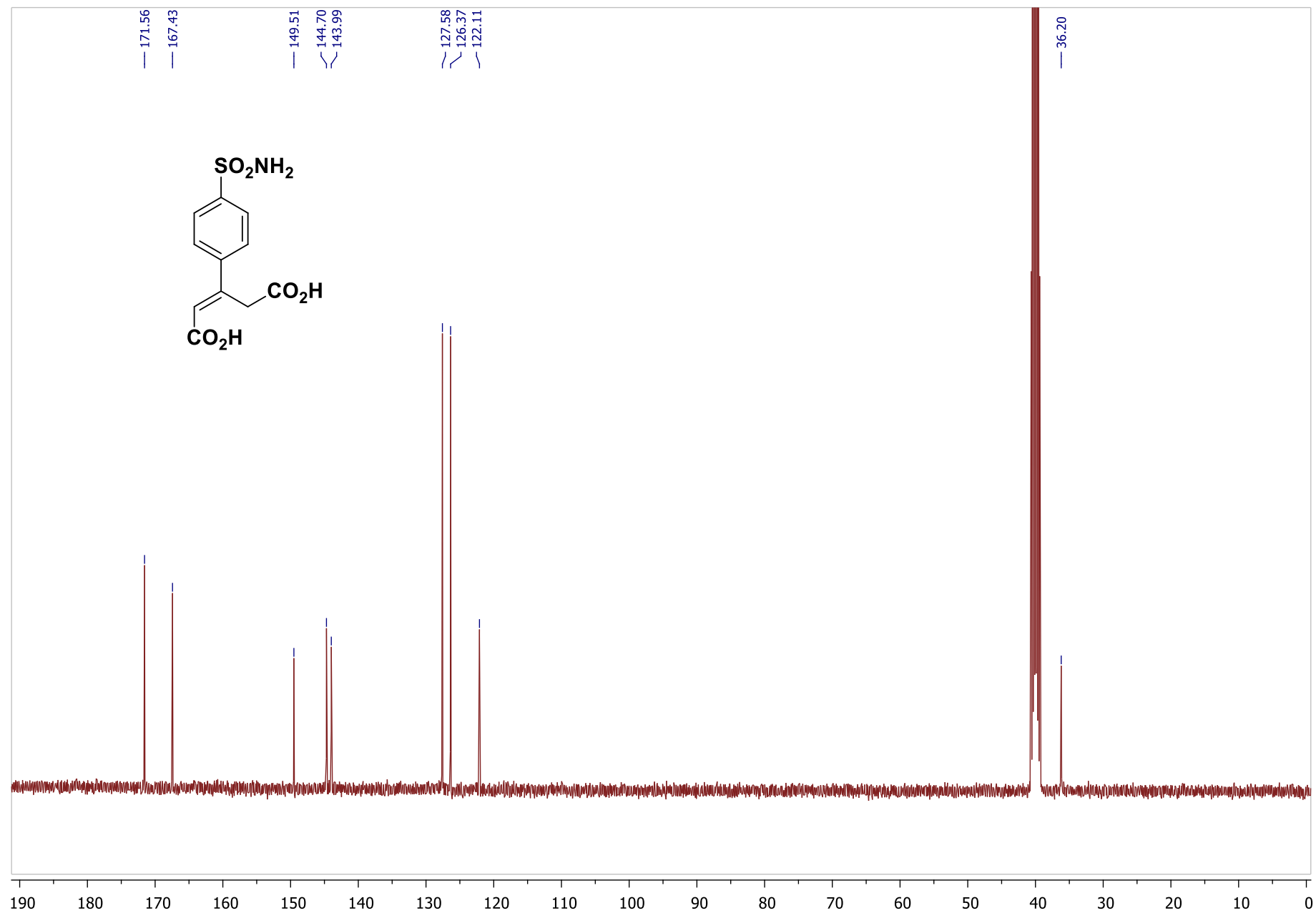
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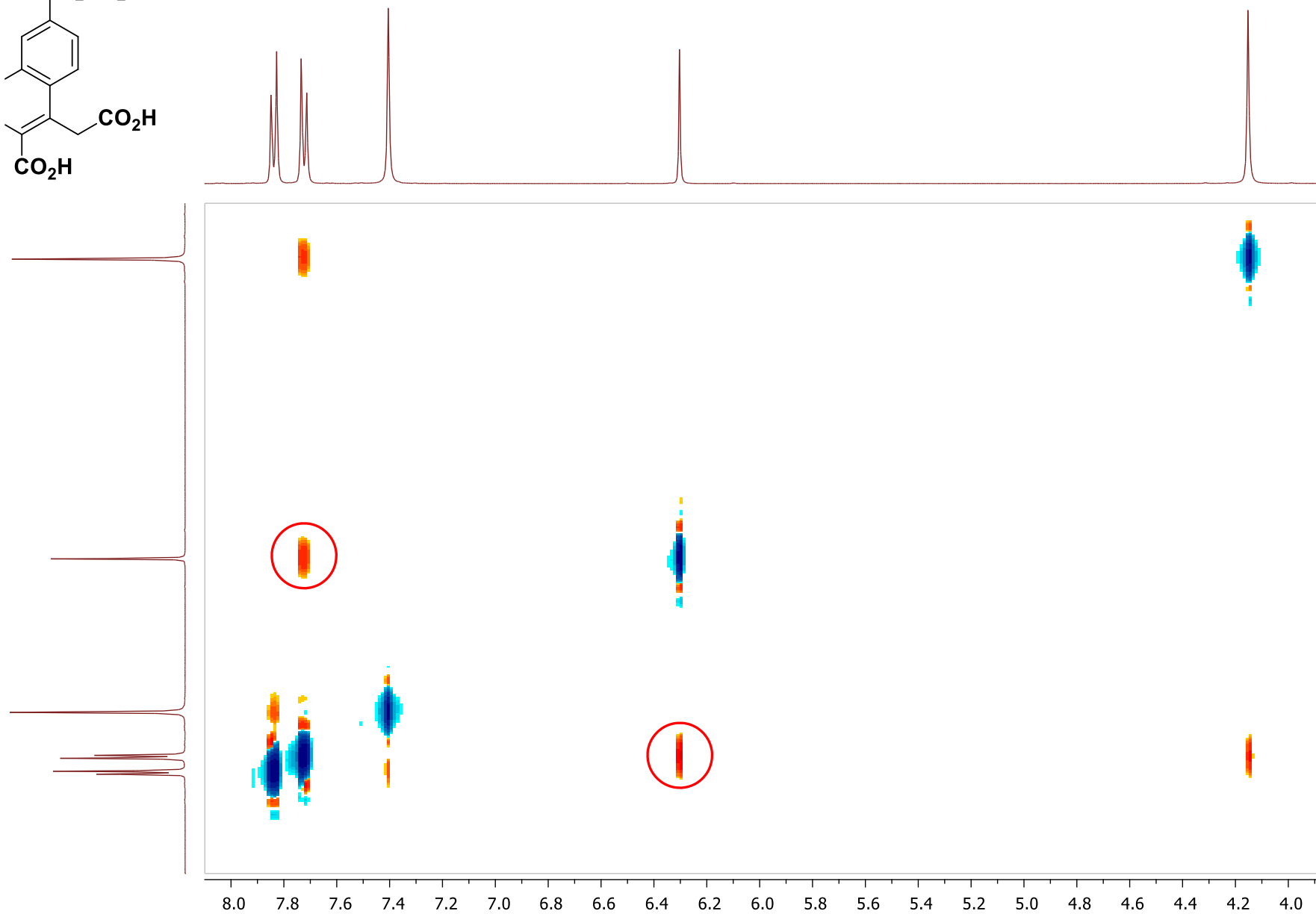
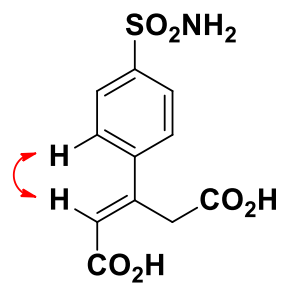
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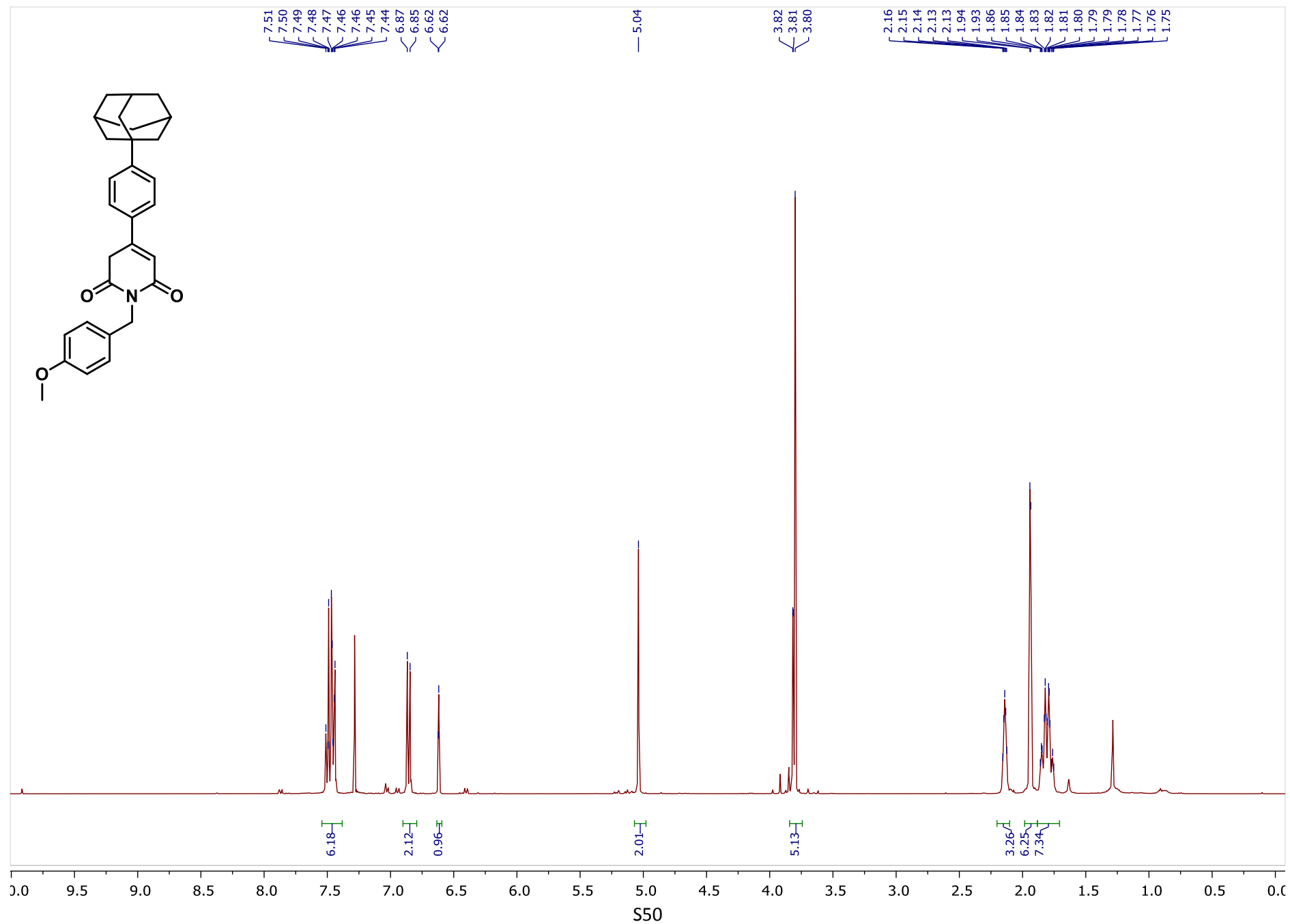
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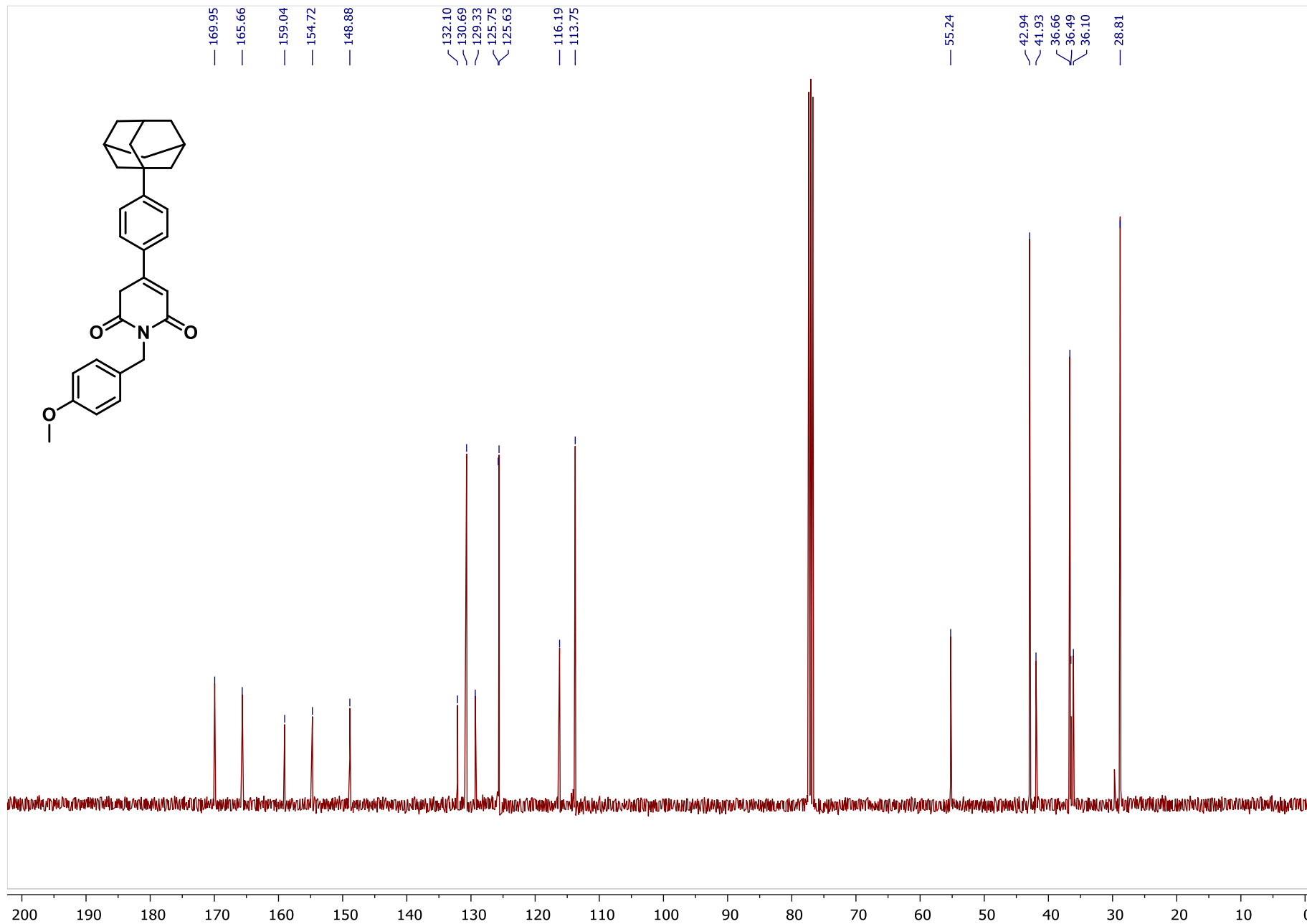
NOESY spectrum of compound **1p**



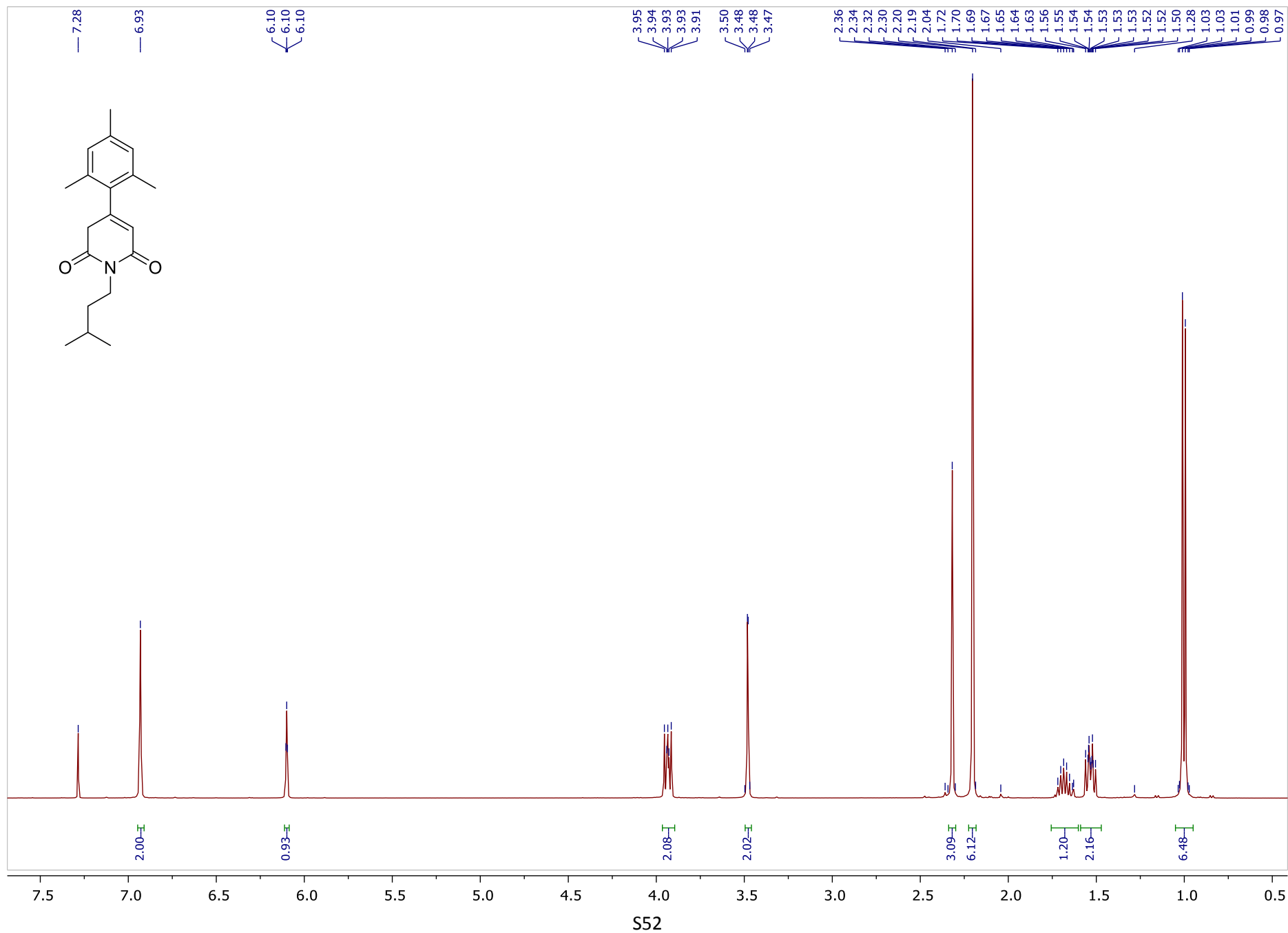
^1H NMR spectrum of compound **6a**



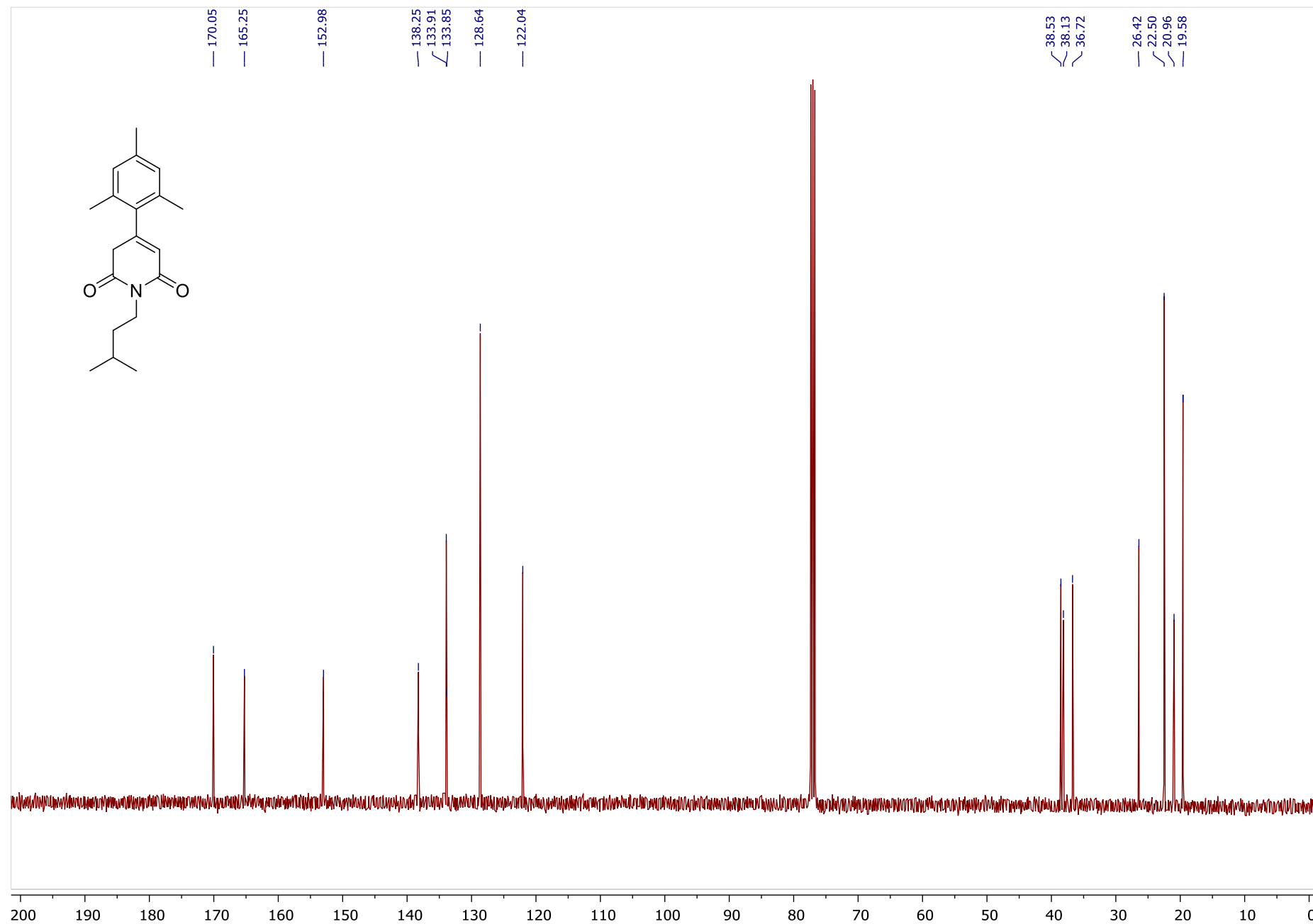
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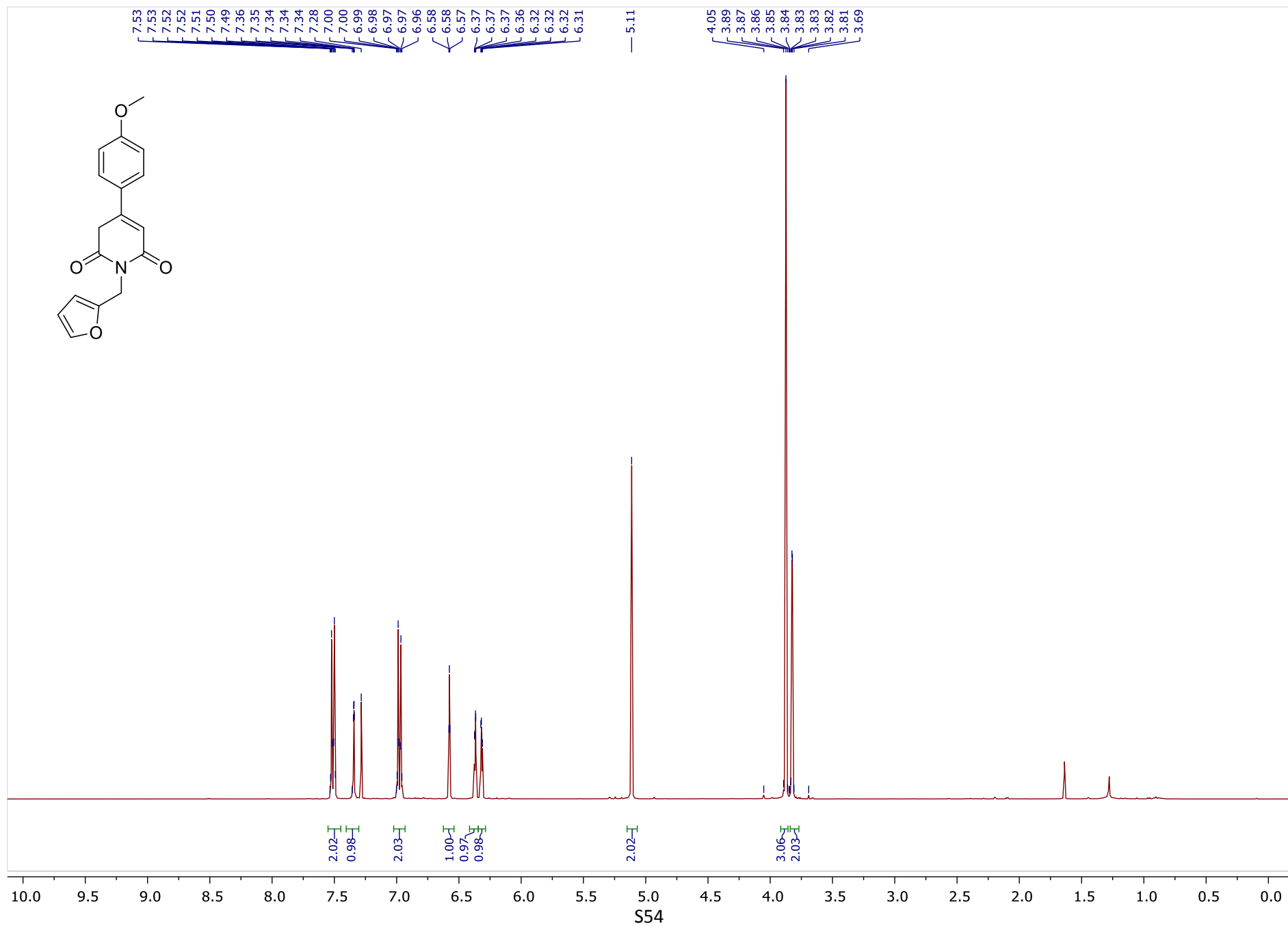
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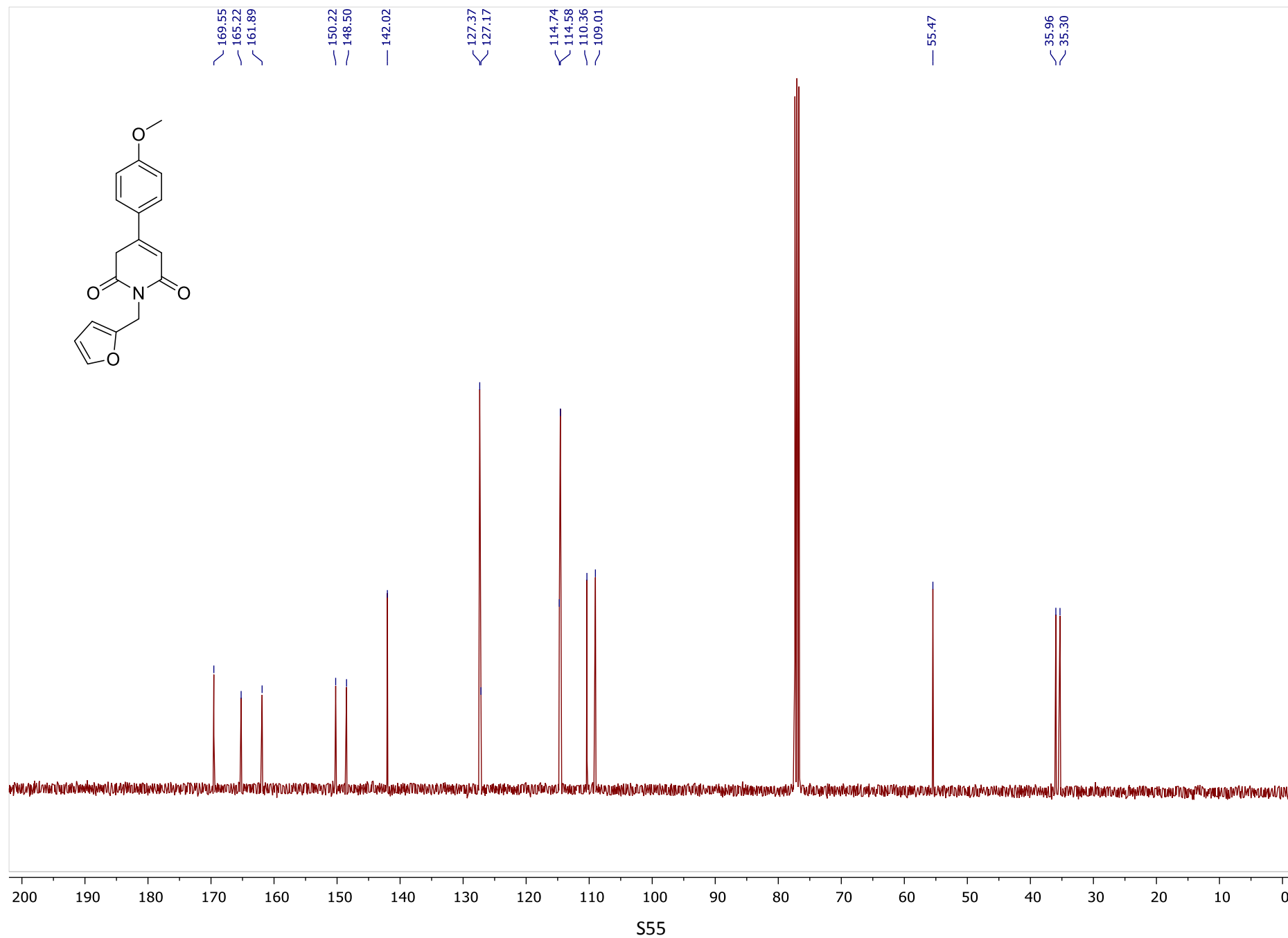
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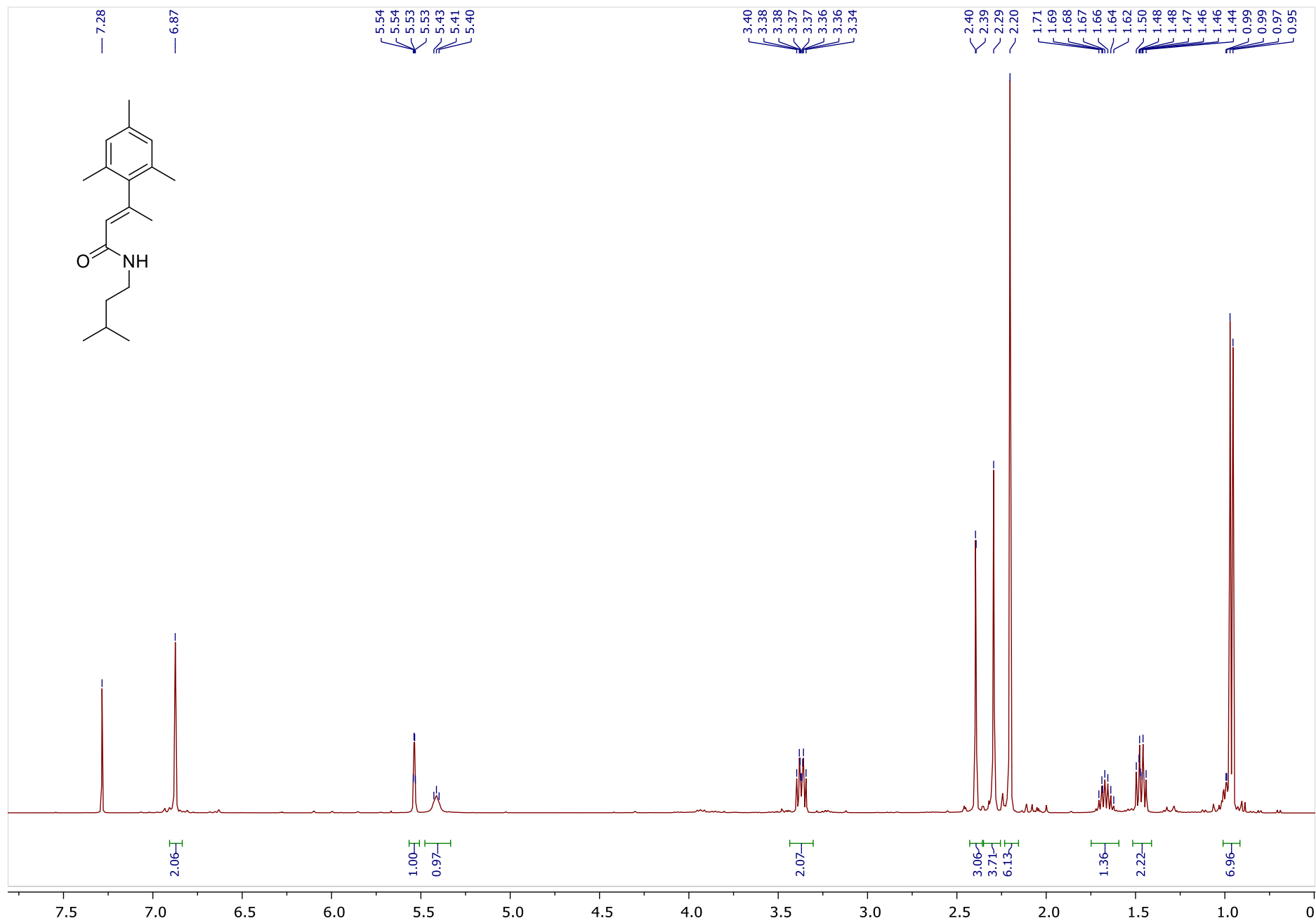
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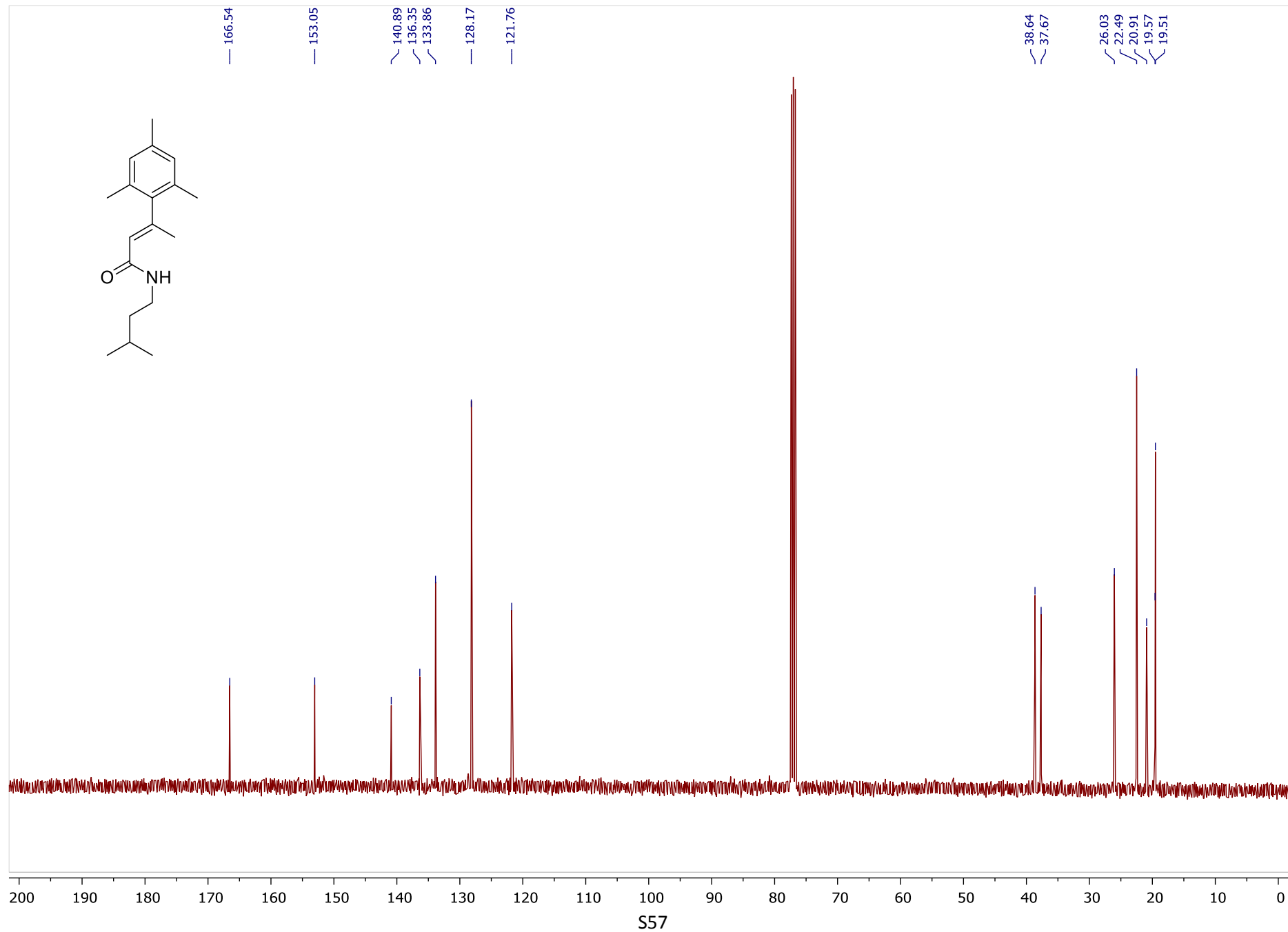
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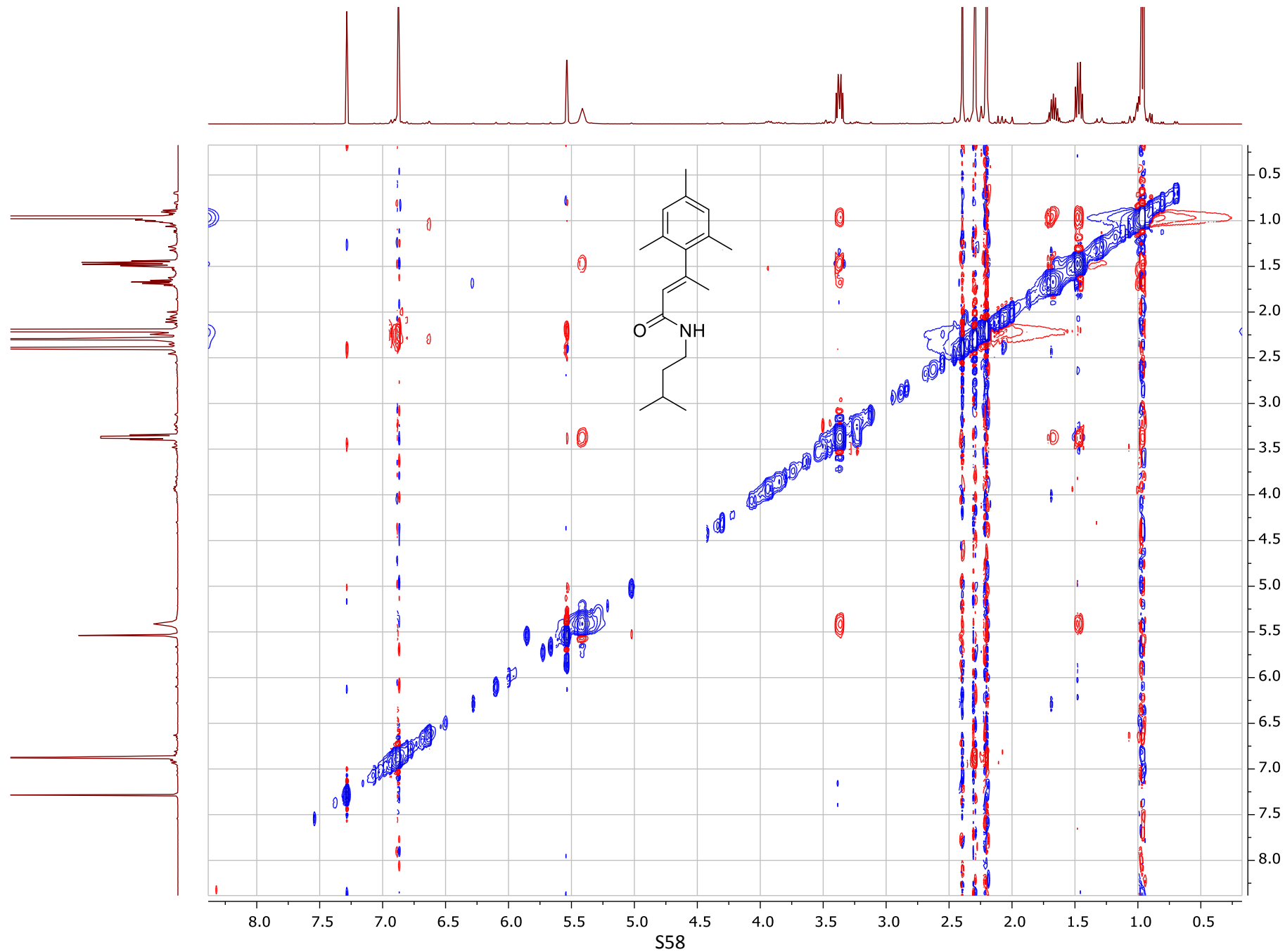
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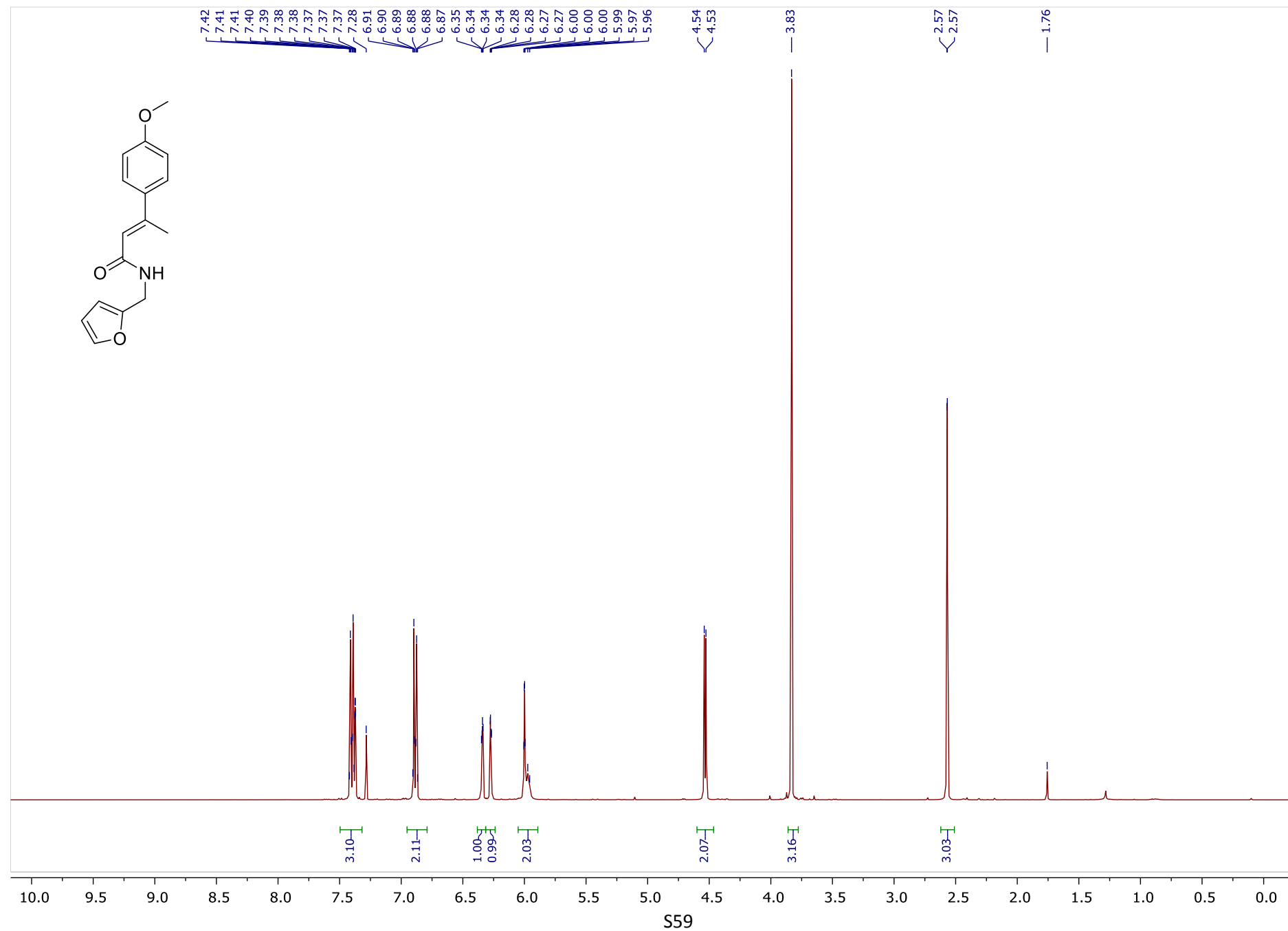
¹³C NMR spectrum of compound **7b**



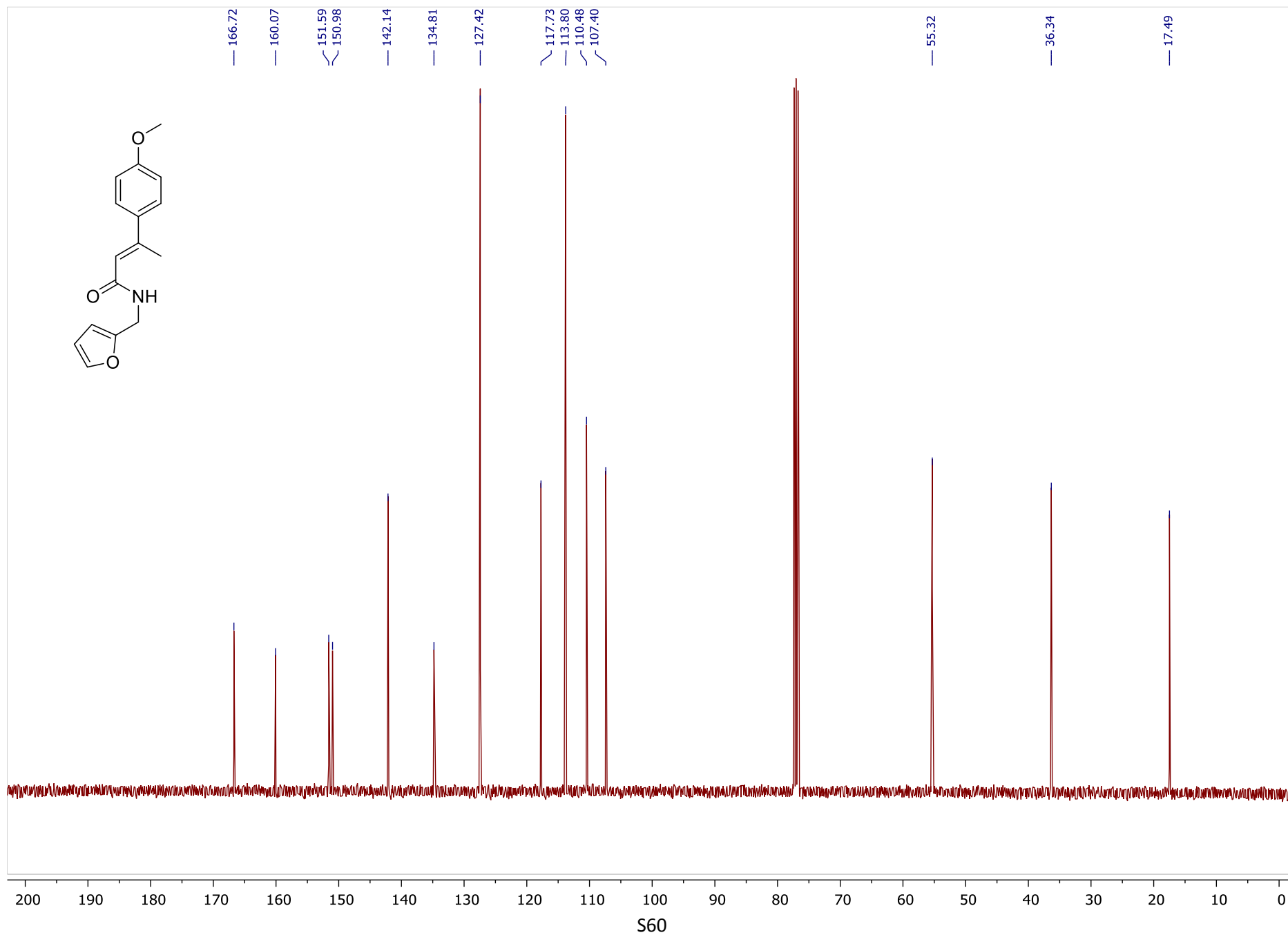
NOESY spectrum of compound **7b**



¹H NMR spectrum of compound **7c**



¹³C NMR spectrum of compound **7c**



NOESY spectrum of compound **7c**

