

# Supplementary Materials

## 3-Amino-4-(diphenylamino)-1*H*-2-benzopyran-1-one

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<b><sup>1</sup>H-NMR Spectrum of product mixture (Scheme 8a)</b>	<b>S1</b>
<b><sup>1</sup>H-NMR Spectrum of compound 25</b>	<b>S2</b>
<b><sup>13</sup>C-NMR Spectrum of compound 25</b>	<b>S3</b>
<b>APT Spectrum of compound 25</b>	<b>S4</b>
<b><sup>1</sup>H-COSY Spectrum of compound 25</b>	<b>S5</b>
<b>HSQC Spectrum of compound 25</b>	<b>S6</b>
<b>HMBC Spectrum of compound 25</b>	<b>S7</b>
<b>FT-IR Spectrum of compound 25</b>	<b>S8</b>
<b>HR-MS of compound 25</b>	<b>S9</b>

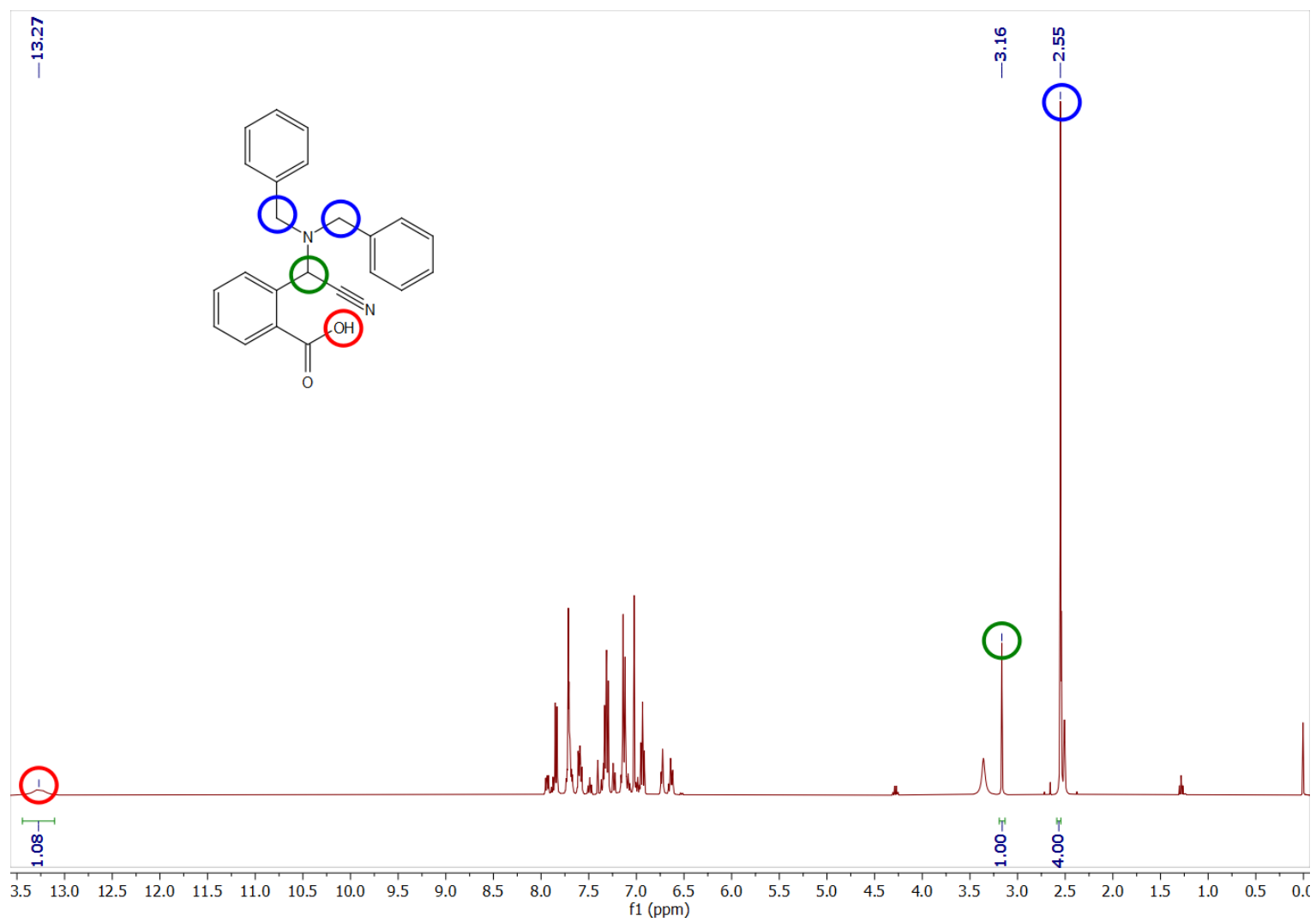
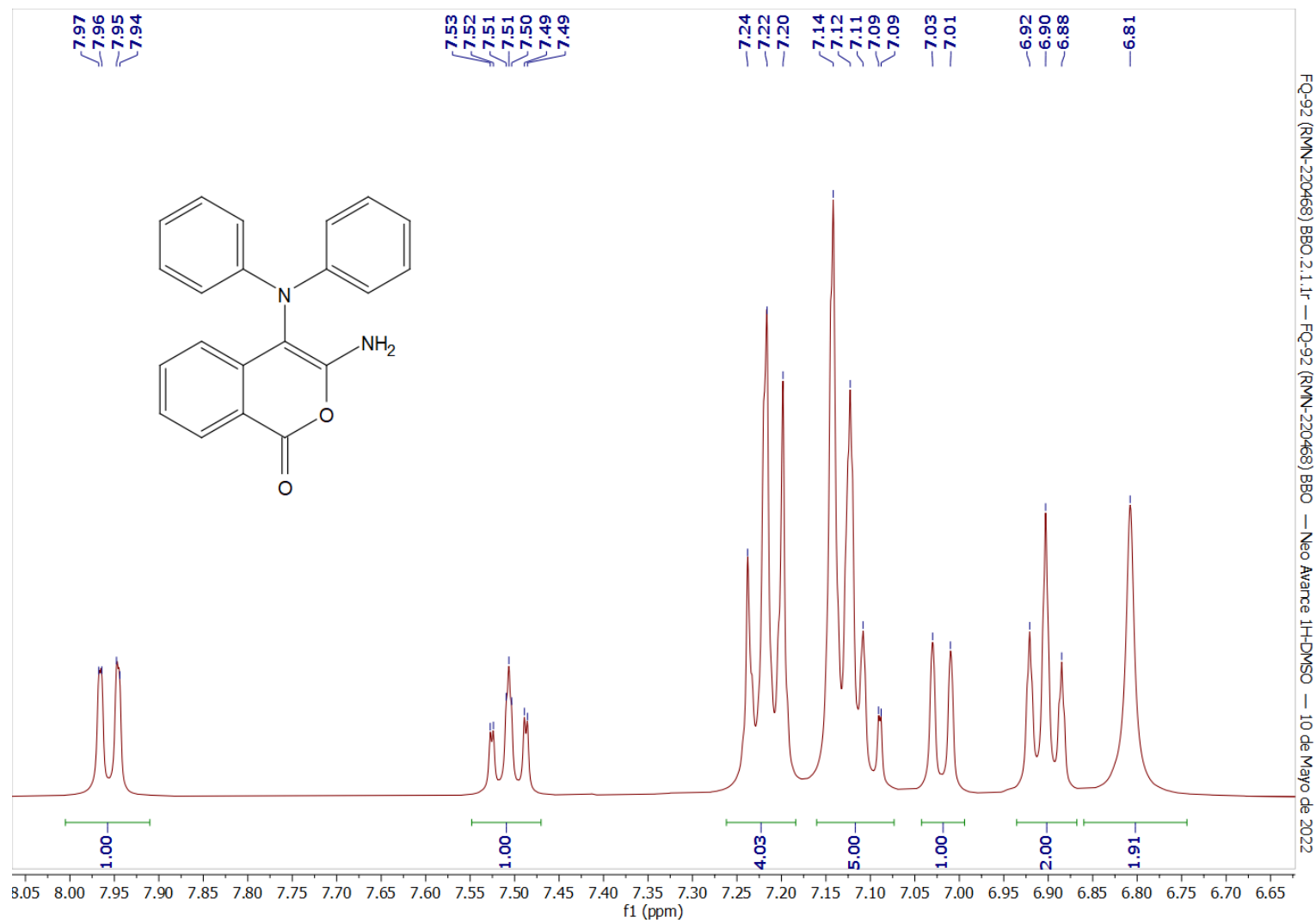


Figure S1. <sup>1</sup>H-NMR spectrum of product mixture (Scheme 8a).



**Figure S2.**  $^1\text{H-NMR}$  spectrum of compound 25.

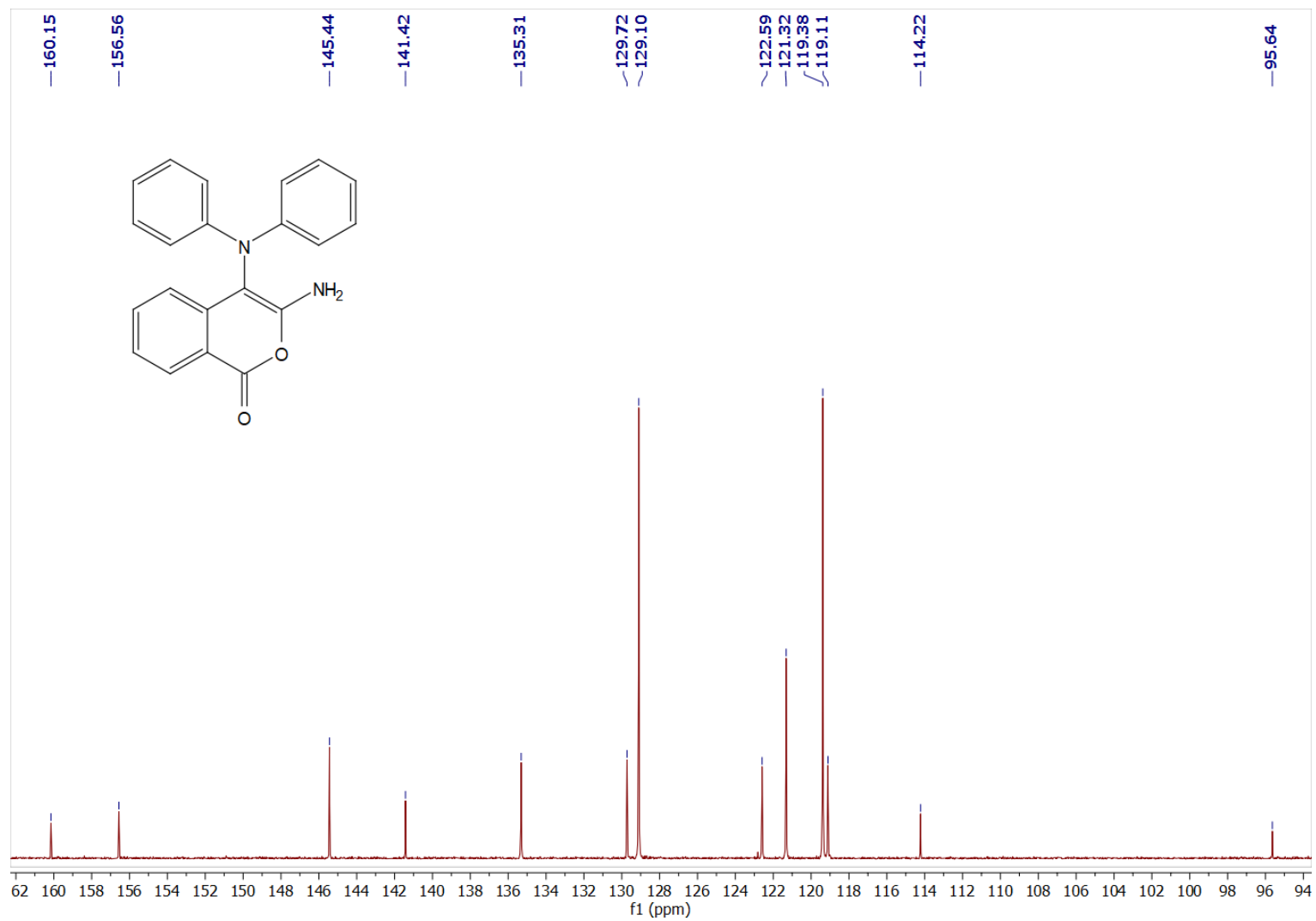


Figure S3.  $^{13}\text{C}$ -NMR spectrum of compound 25.

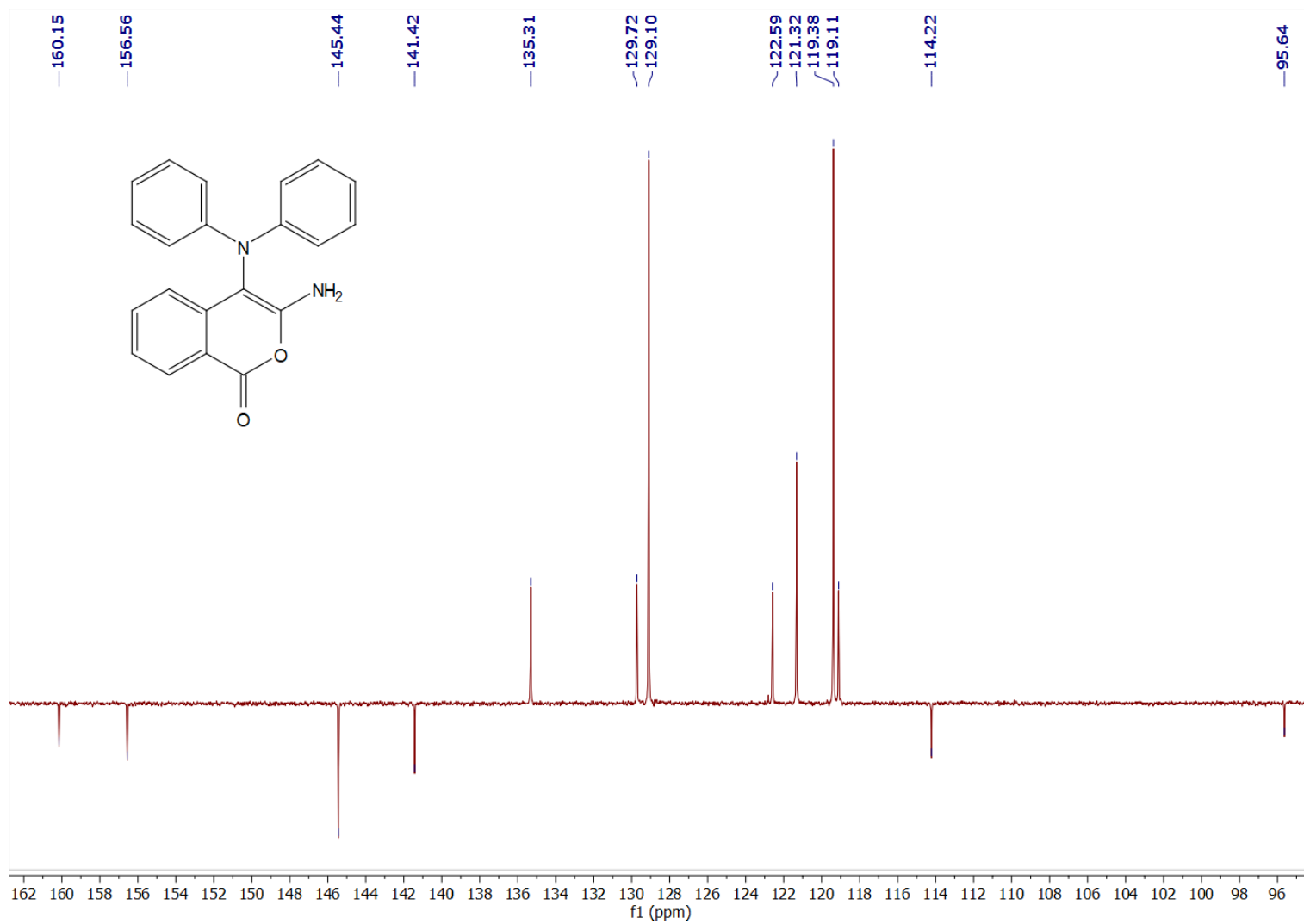
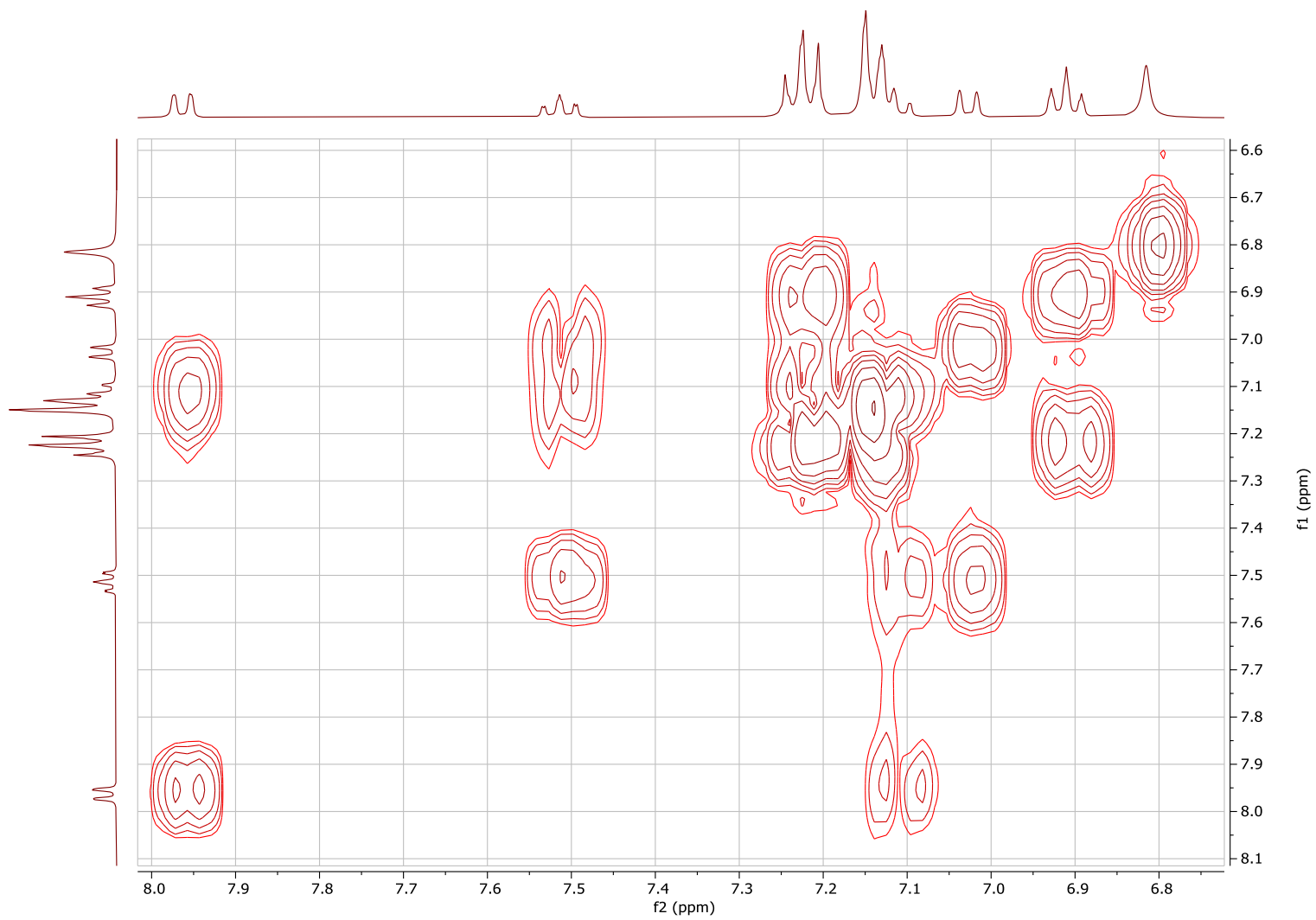


Figure S4. APT spectrum of compound 25.



**Figure S5.** <sup>1</sup>H-COSY spectrum of compound **25**.

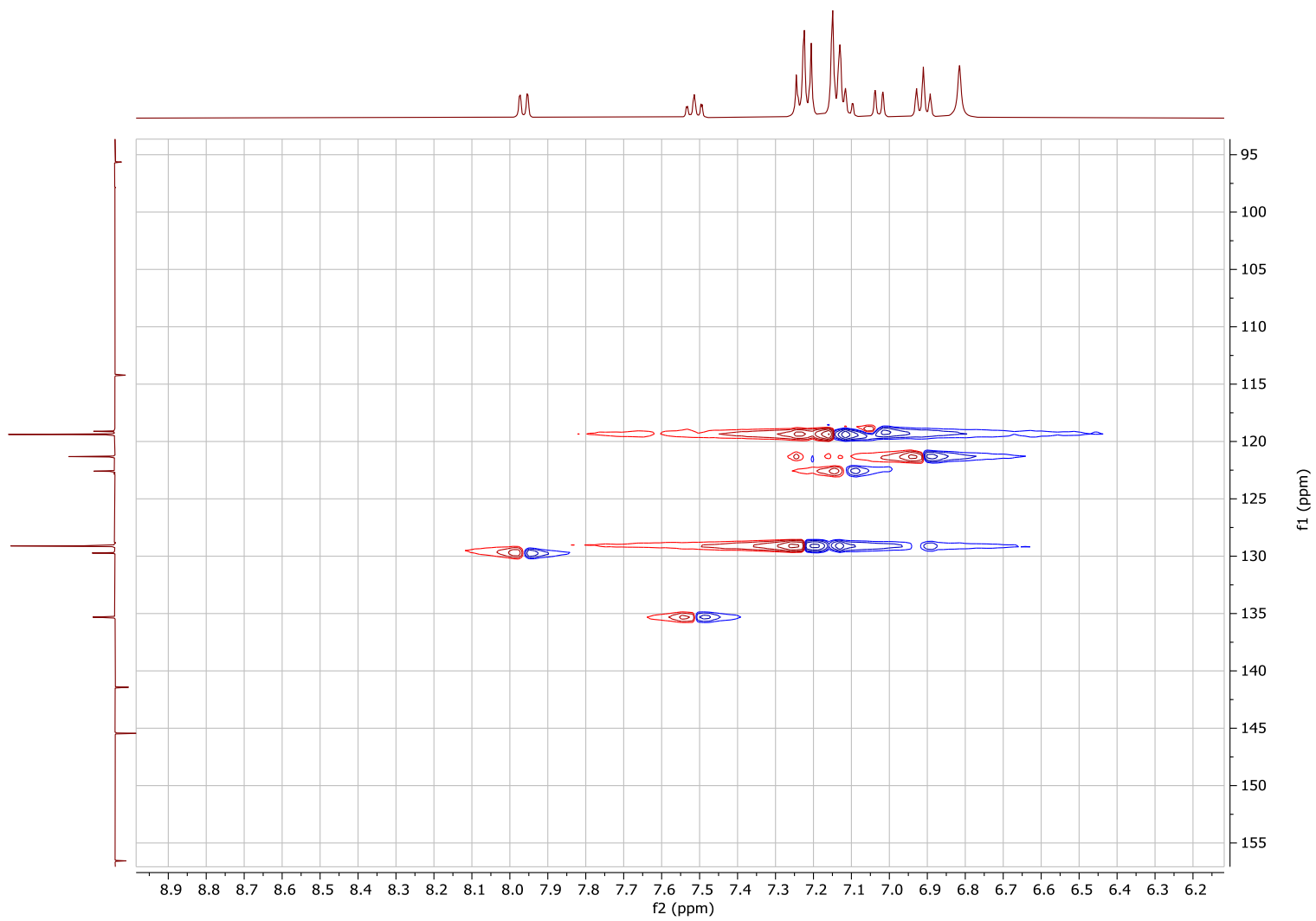


Figure S6. HSQC spectrum of compound 25.

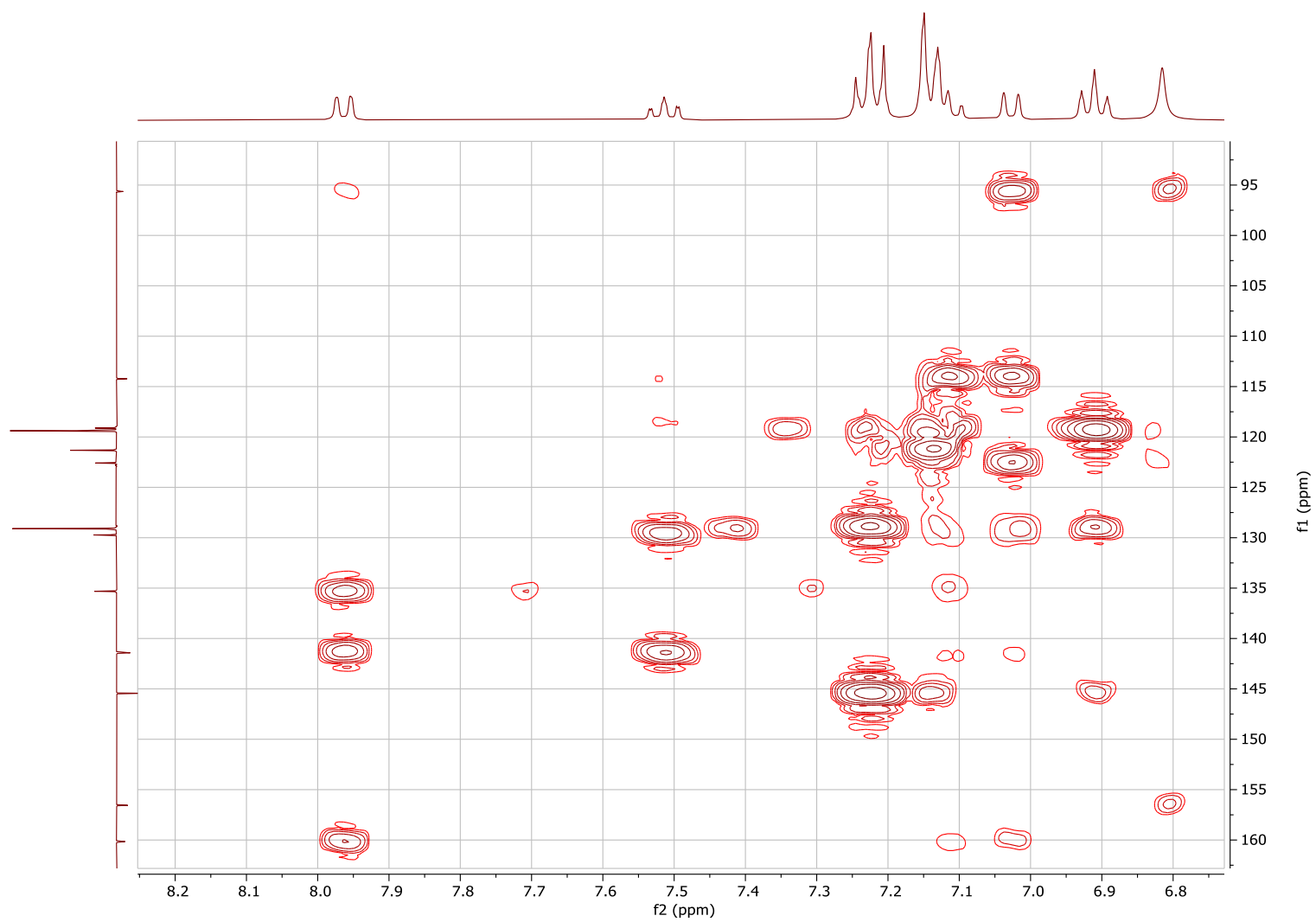
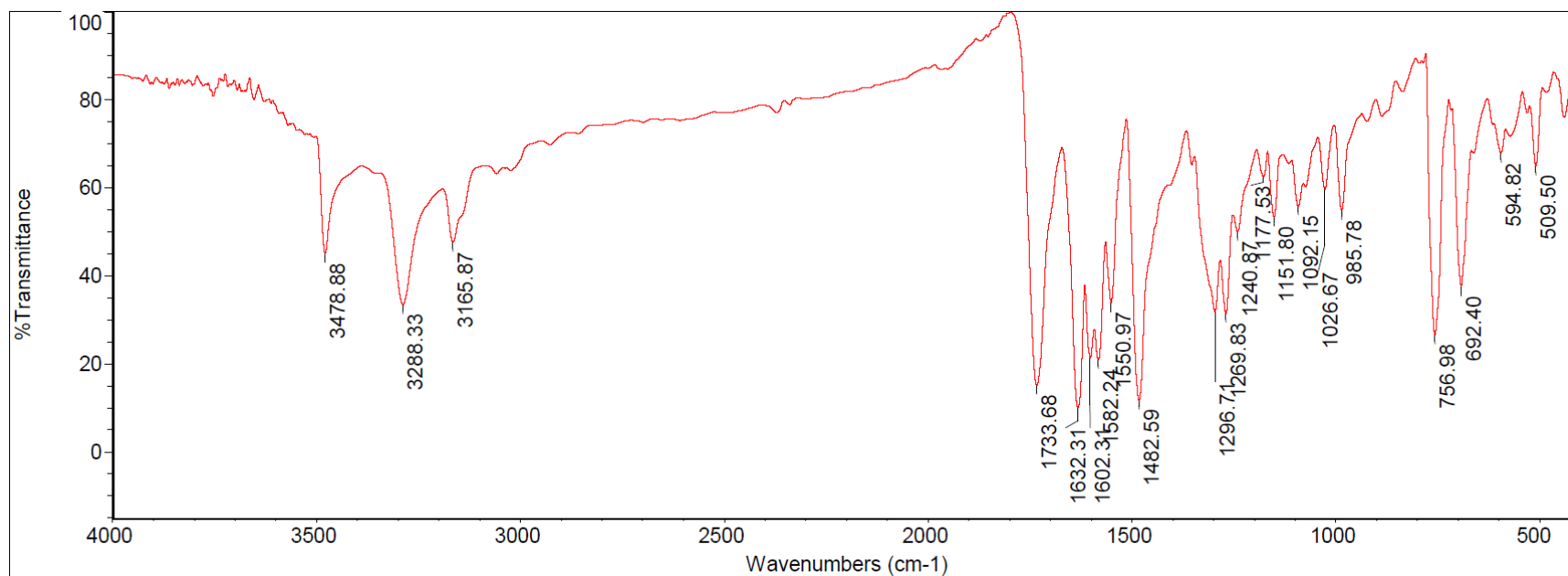


Figure S7. HSQC spectrum of compound 25.





Condiciones  
Instrumentales

Number of sample scans: 16  
Number of background scans: 16  
Resolution: 4.000  
Sample gain: 1.0  
Optical velocity: 0.4747  
Aperture: 100.00

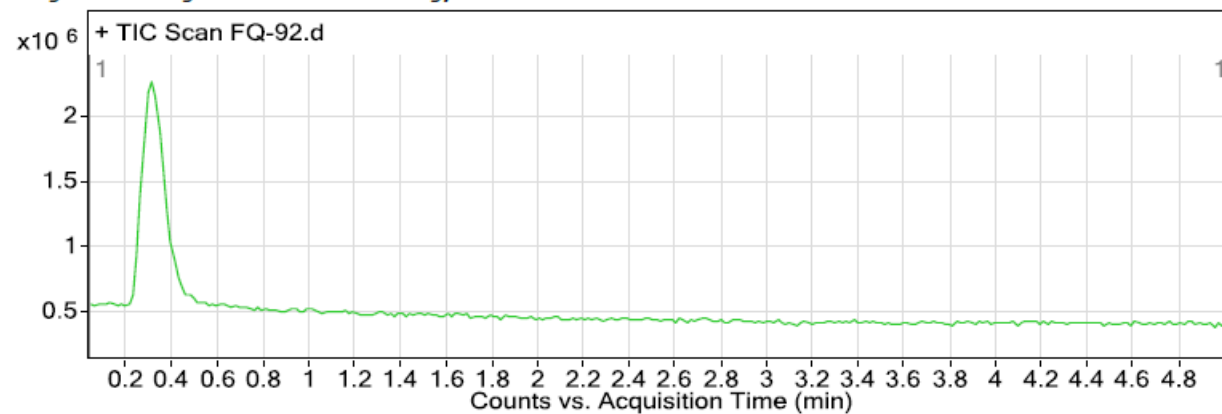
Wed May 25 11:32:09 2022 (GMT-05:00)

Metodo de analisis: Pastilla de KBr  
Nicolet iS5 Espectrometer  
Thermo Scientific

**Figure S8.** FT-IR spectrum of compound 25.

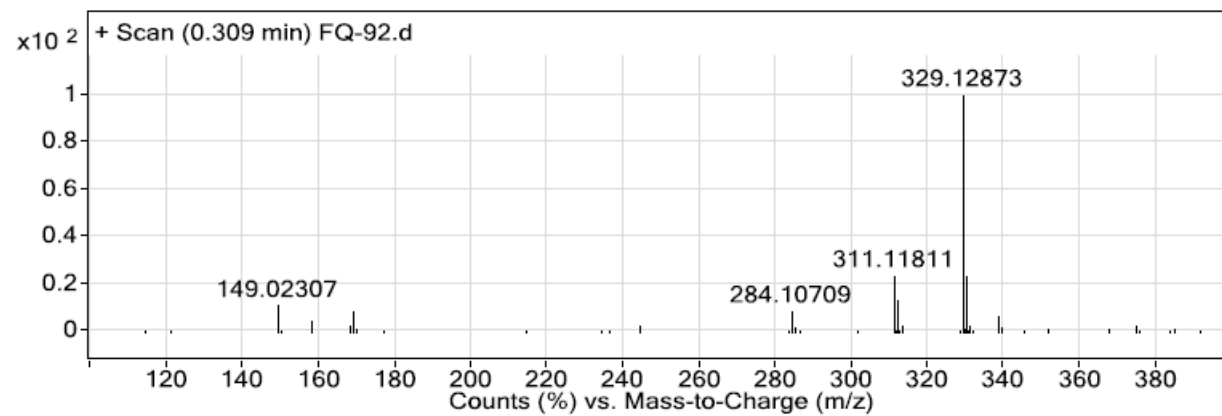
## User Chromatograms

Fragmentor Voltage 175 Collision Energy 0 Ionization Mode ESI



## User Spectra

Fragmentor Voltage 175 Collision Energy 0 Ionization Mode ESI



### Peak List

m/z	z	Abund
149.02307		54130.1
169.0882		42670.2
284.10709		42706.5
311.11811		116417.2
312.10746		64849.7
329.12873	1	492174.4
329.21483		30507
329.27828		25221
330.13157	1	115737.2
338.34281		34560.9

Figure S9. HR-MS of compound 25.