**Diastereoselective Synthesis of Chiral 1,3-Cyclohexadienals**

Aitor Urosa1¶, Ignacio E. Tobal1¶, Ángela P. de la Granja1, M. Carmen Capitán1, R. F. Moro1, Isidro S. Marcos1, Narciso M. Garrido1, Francisca Sanz2, Emilio Calle3 and David Díez1\*

1 Departamento de Química Orgánica, Facultad de Ciencias Químicas, Universidad de Salamanca, Salamanca. Spain.

2 Servicio de Difracción de Rayos X, Universidad de Salamanca, Salamanca, Spain.

3Departamento de Química Física, Facultad de Ciencias Químicas, Universidad de Salamanca, Salamanca. Spain.

\*E-mail: [ddm@usal.es](mailto:ddm@usal.es)

¶ These authors contributed equally to this work.

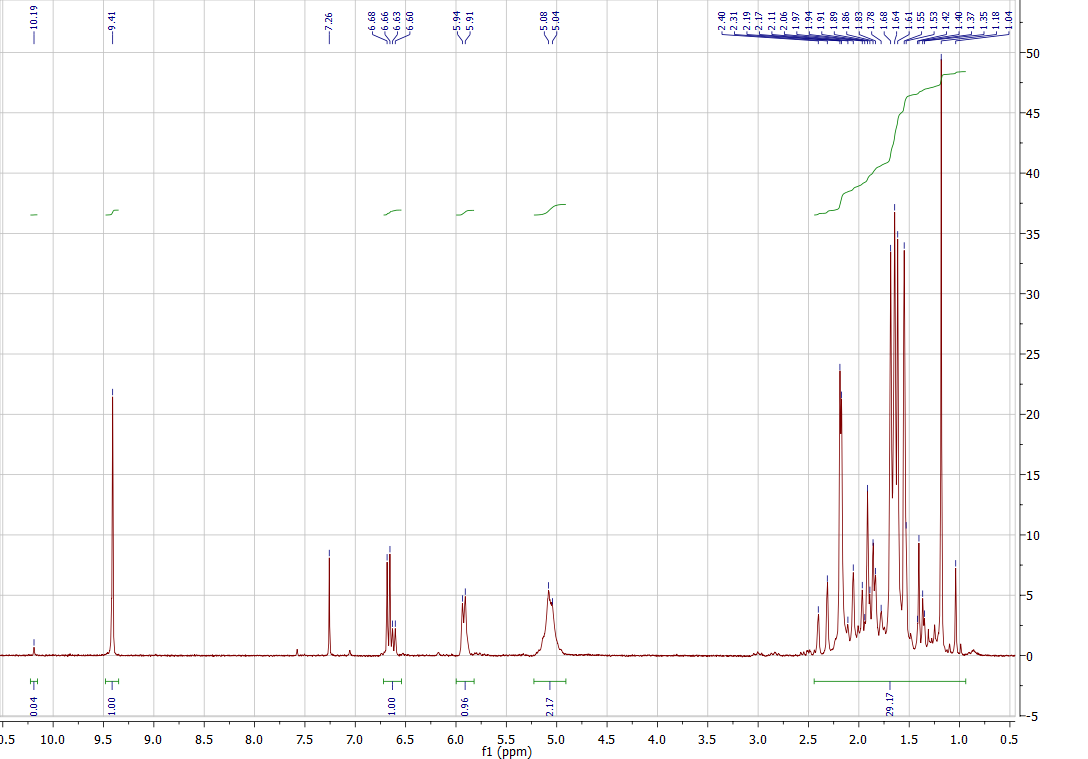
**SUPPORTING INFORMATION 1**

**NMR and IR data**

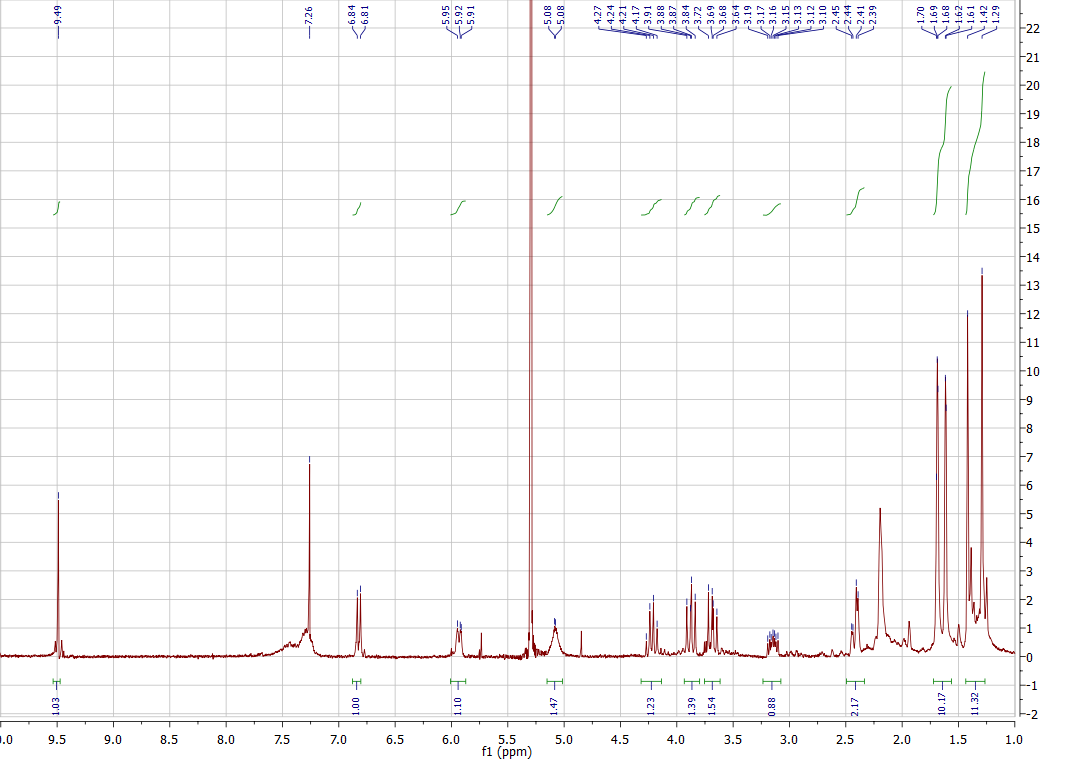
**TABLE OF CONTENTS**

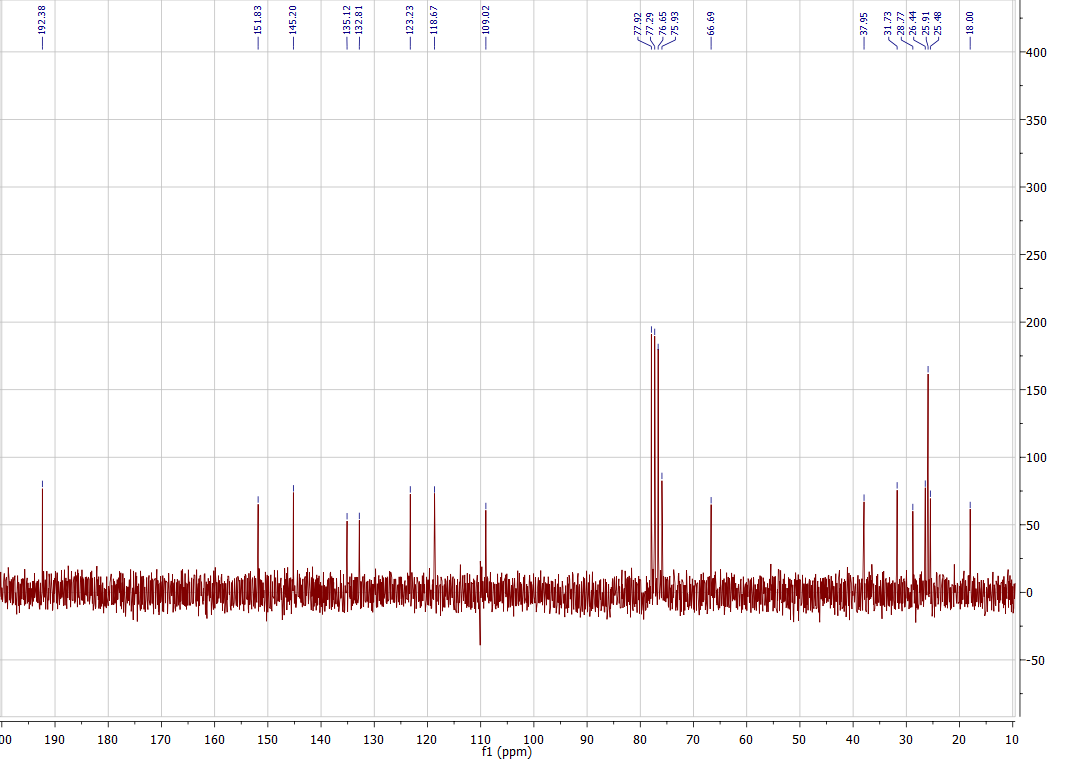
|  |  |
| --- | --- |
| **Content** | **Page** |
| 1H NMR of **3** | S4 |
| 1H NMR and 13C NMR of **4a** | S5 |
| IR of **4a** | S6 |
| 1H NMR and 13C NMR of **4b** | S7 |
| IR of **4b** | S8 |
| 1H NMR and 13C NMR of **11** | S9 |
| IR of **11** | S10 |
| 1H NMR and 13C NMR of **12** | S11 |
| IR of **12** | S12 |
| ROESY of **12** | S13 |
| 1H NMR of **14a** and **14b** | S14 |
| 1H NMR of **14** and **15a** | S15 |
| 1H NMR of **15b** and **15** | S16 |
| 1H NMR of **16a** and **16b** | S17 |
| 1H NMR of **16** and **17a** | S18 |
| 1H NMR of **17b** and **17** | S19 |
| 1H NMR of **18a** and **18b** | S20 |
| 1H NMR of **18** and **19a** | S21 |
| 1H NMR of **19b** and **19** | S22 |
| 1H NMR and 13C NMR of **20a** | S23 |
| IR of **20a** | S24 |
| 1H NMR and 13C NMR of **20b** | S25 |
| IR of **20b** | S26 |
| 1H NMR and 13C NMR of **21a** | S27 |
| IR of **21a** | S28 |
| 1H NMR and 13C NMR of **21b** | S29 |
| IR of **21b** | S30 |
| 1H NMR and 13C NMR of **22a** | S31 |
| IR of **22a** | S32 |
| 1H NMR and 13C NMR of **22b** | S33 |
| IR of **22b** | S34 |
| 1H NMR and 13C NMR of **23a** | S35 |
| IR of **23a** | S36 |
| 1H NMR and 13C NMR of **23b** | S37 |
| IR of **23b** | S38 |
| 1H NMR and 13C NMR of **24a** | S39 |
| IR of **24a** | S40 |
| 1H NMR and 13C NMR of **24b** | S41 |
| IR of **24b** | S42 |
| 1H NMR and 13C NMR of **25a** | S43 |
| IR of **25a** | S44 |
| 1H NMR and 13C NMR of **25b** | S45 |
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| 1H NMR and 13C NMR of **26** | S47 |
| IR of **26** | S48 |

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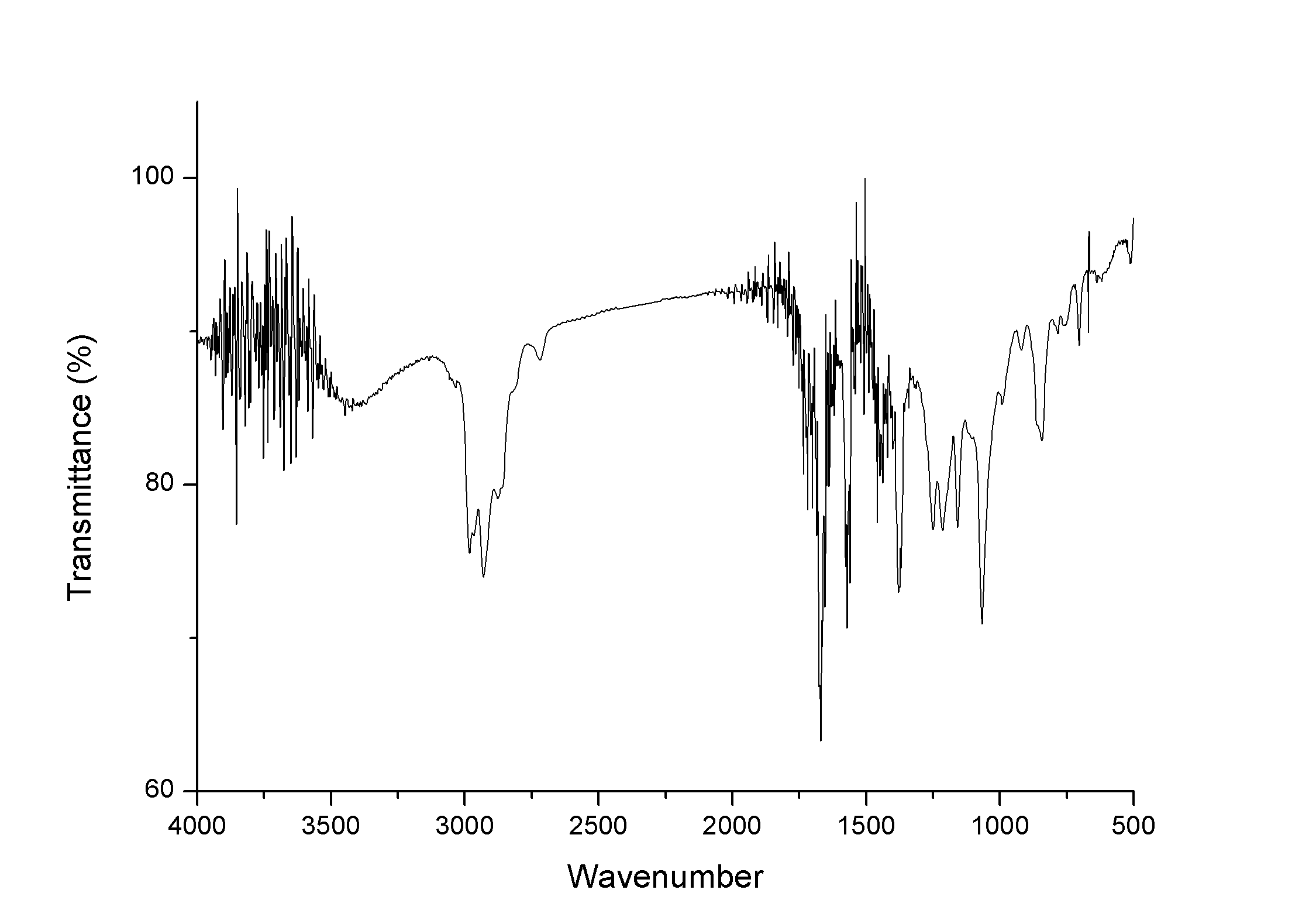
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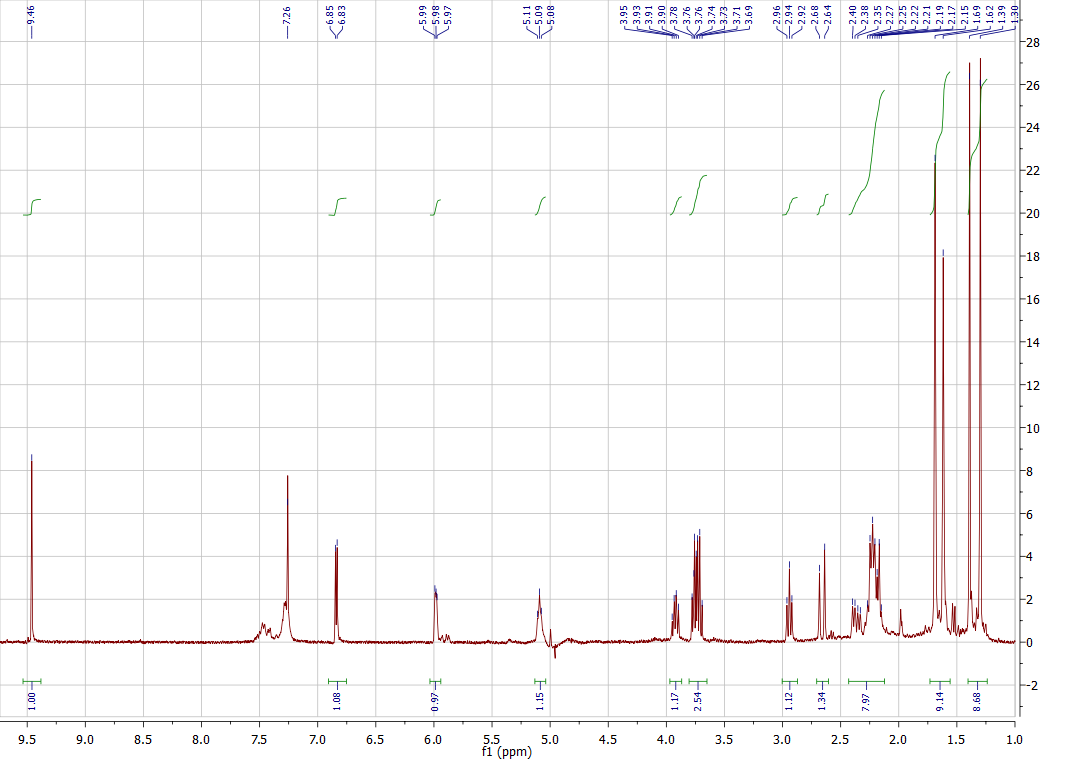
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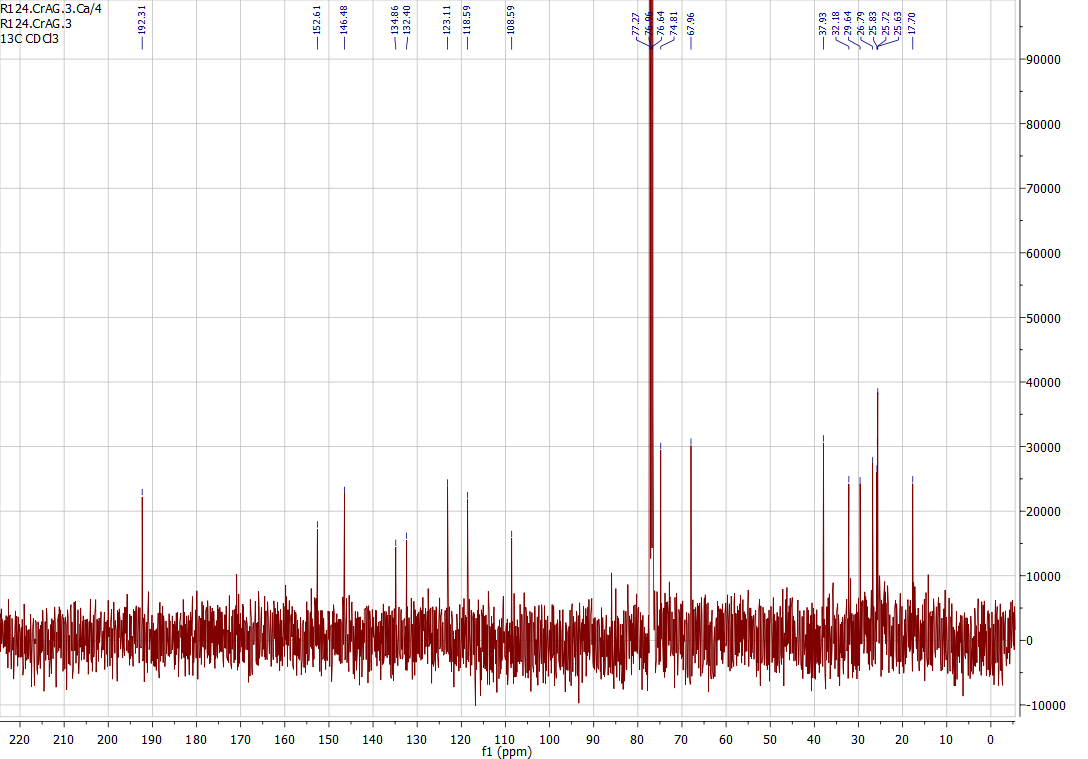
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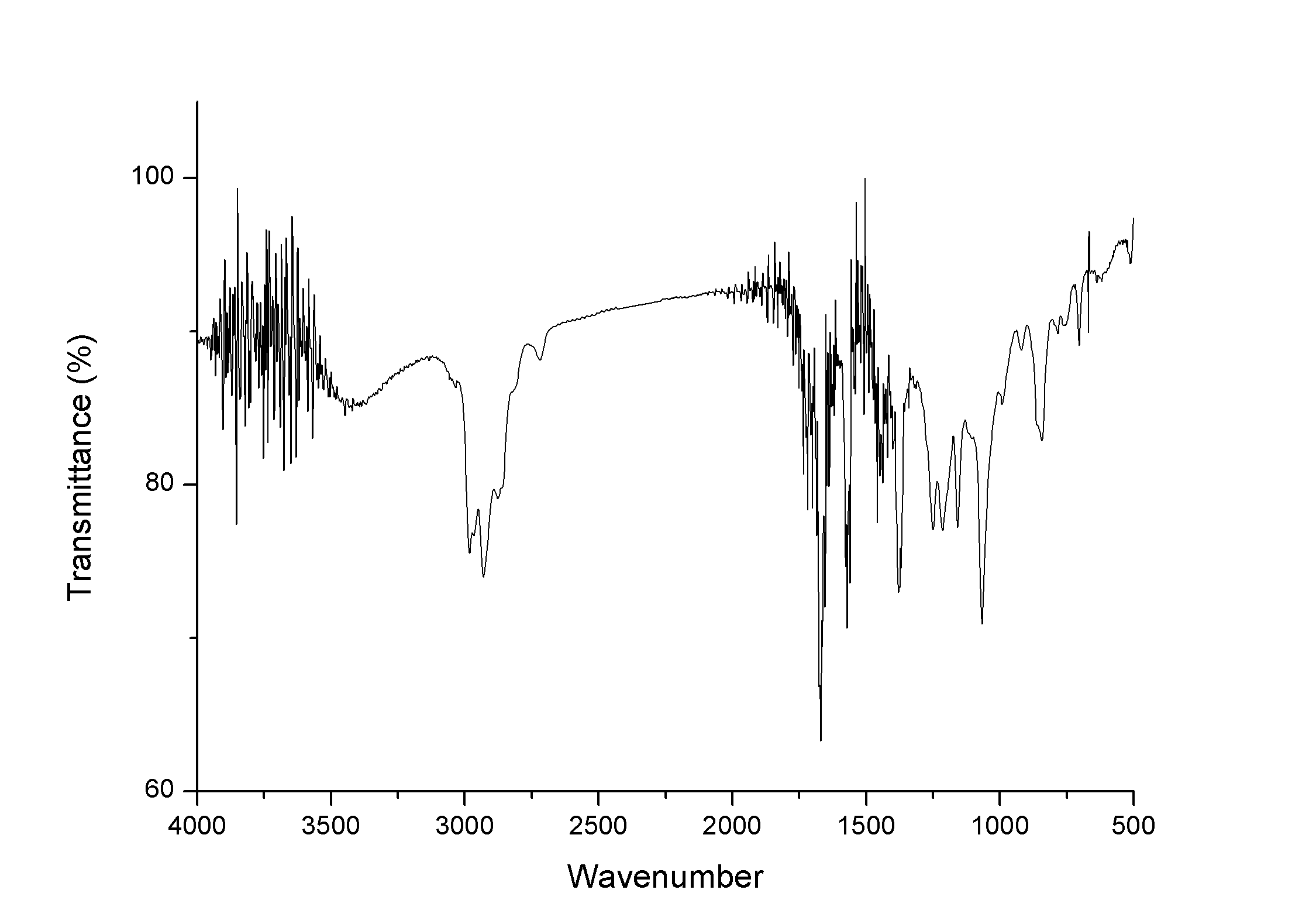
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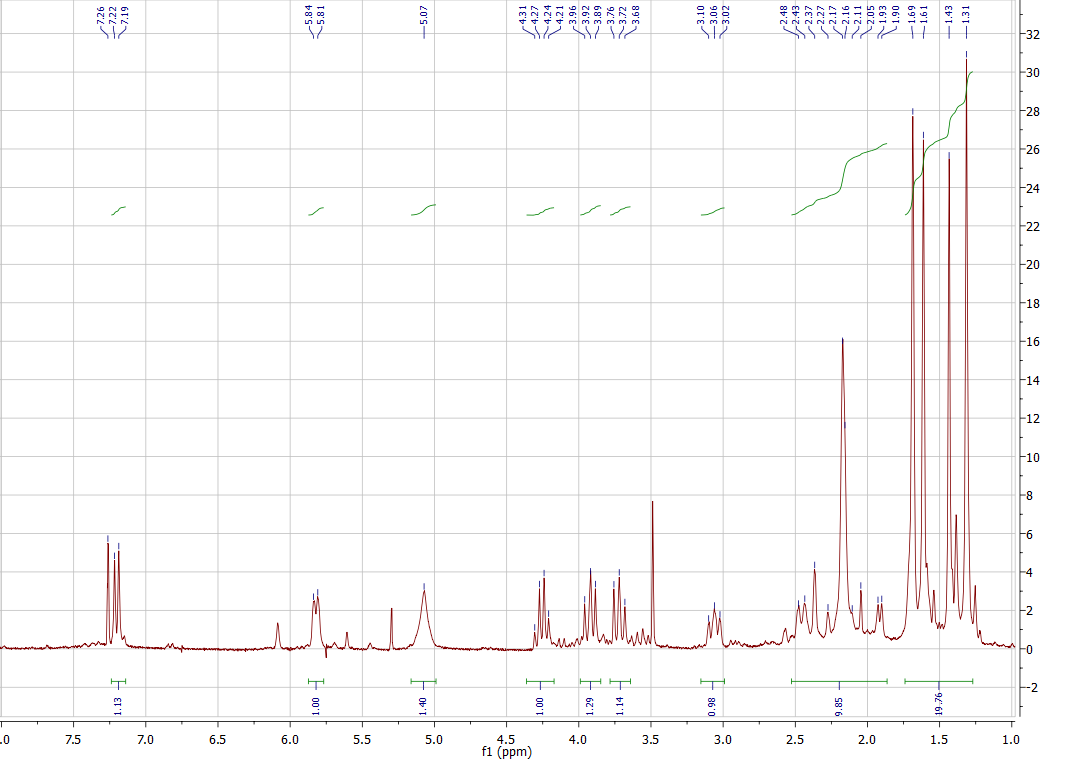
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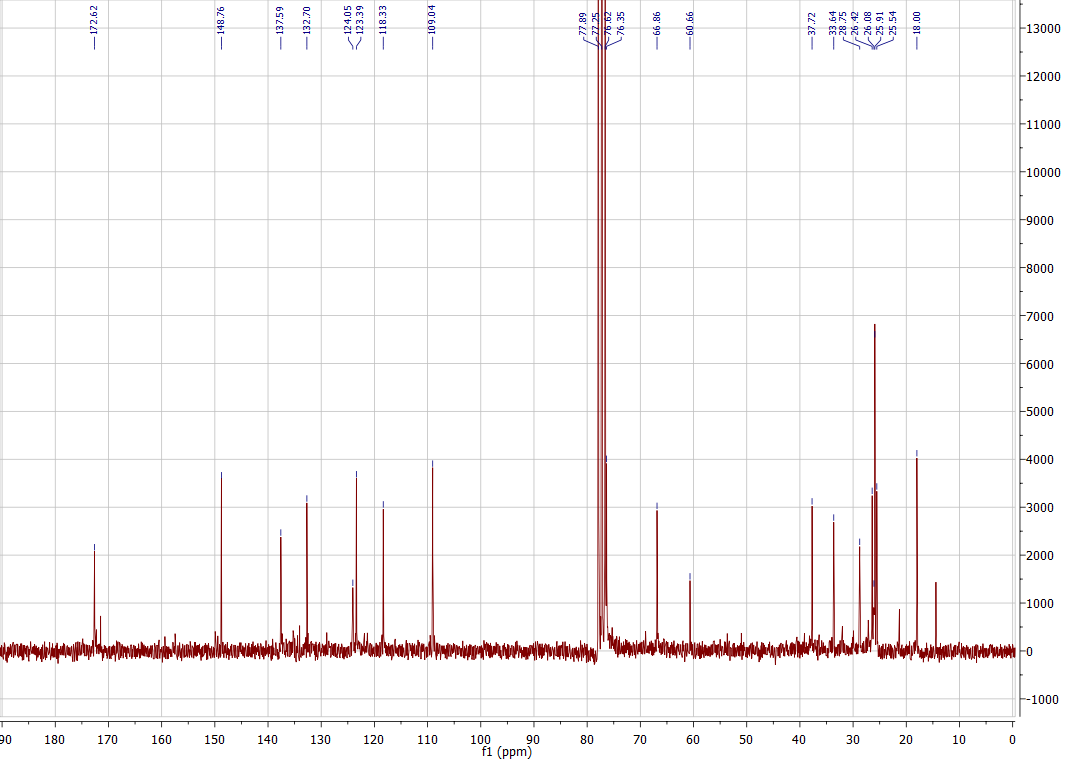
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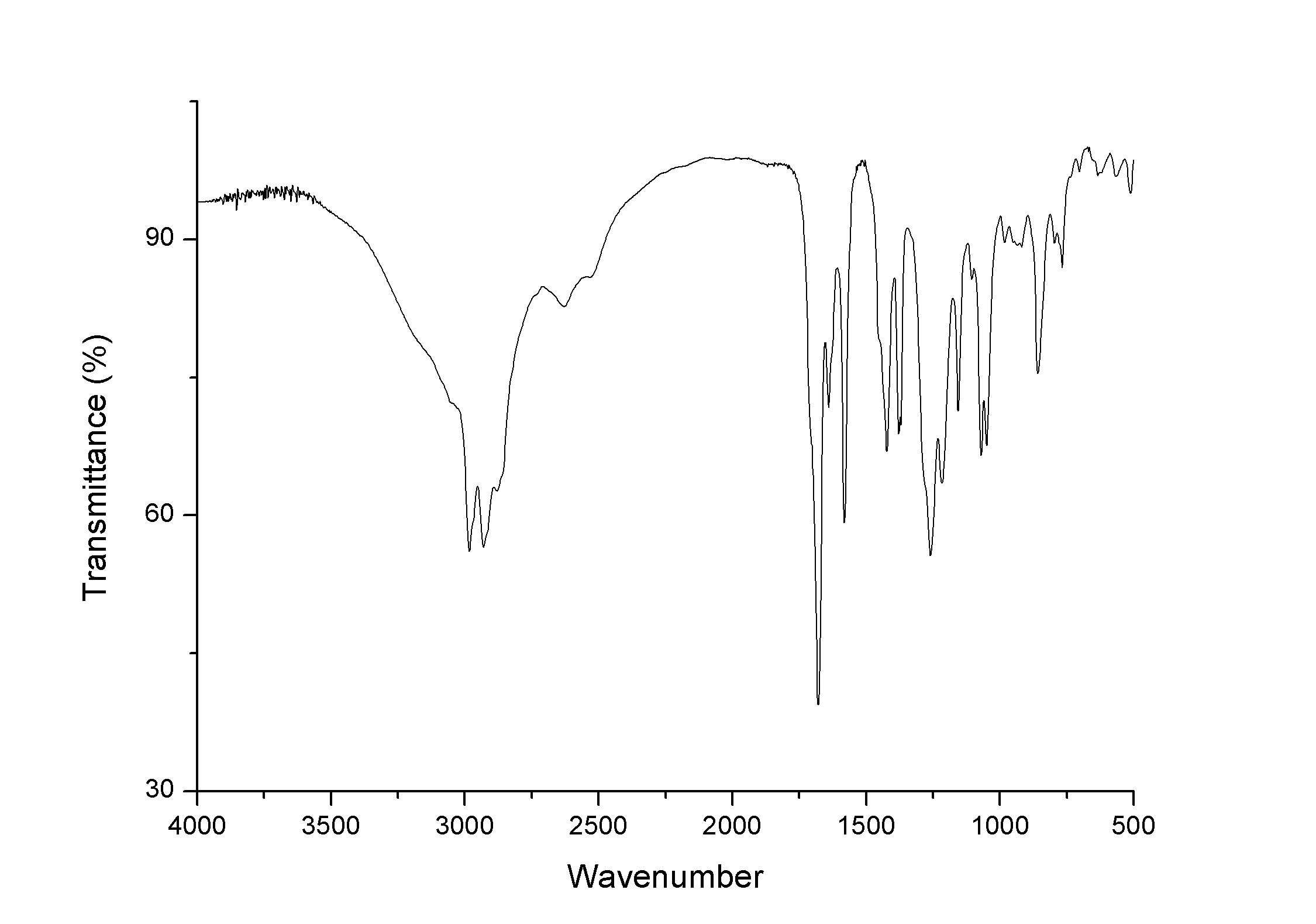
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1H NMR and 13C NMR of **11**

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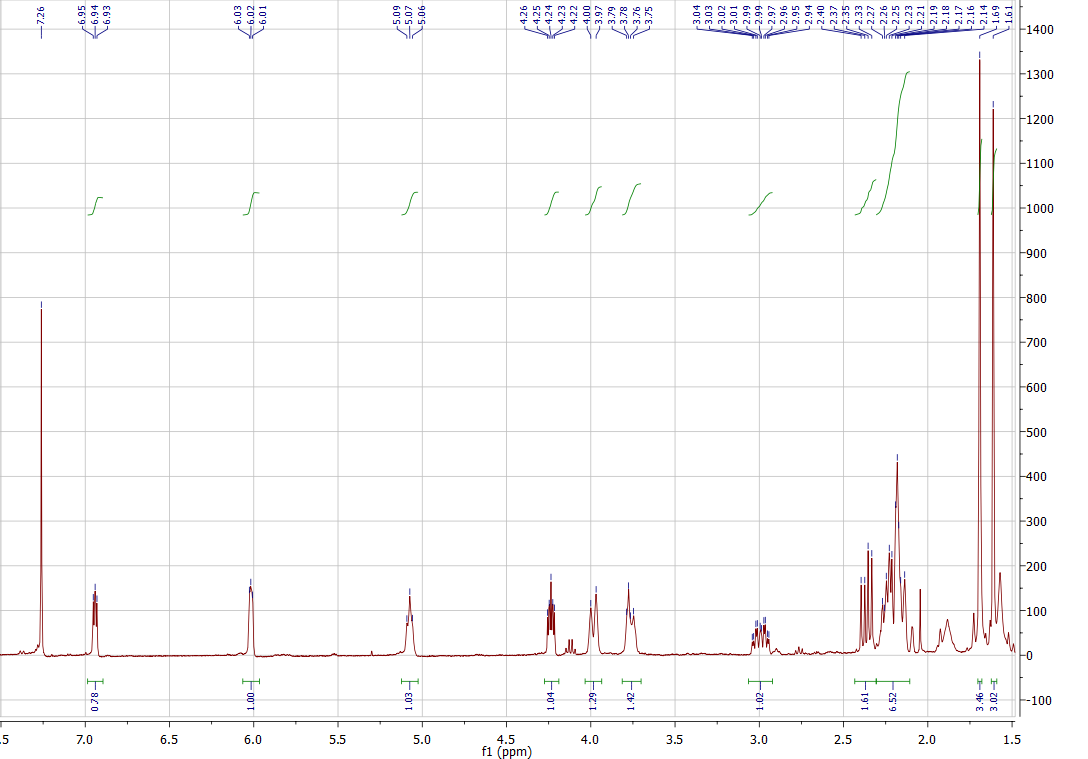
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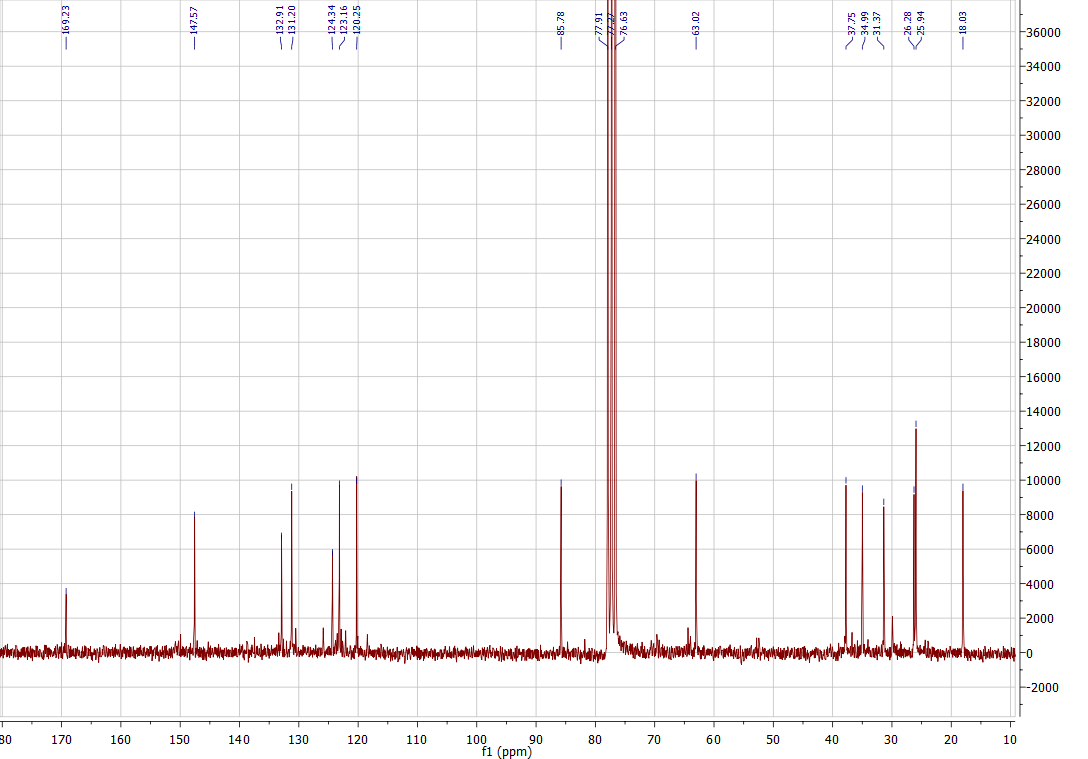
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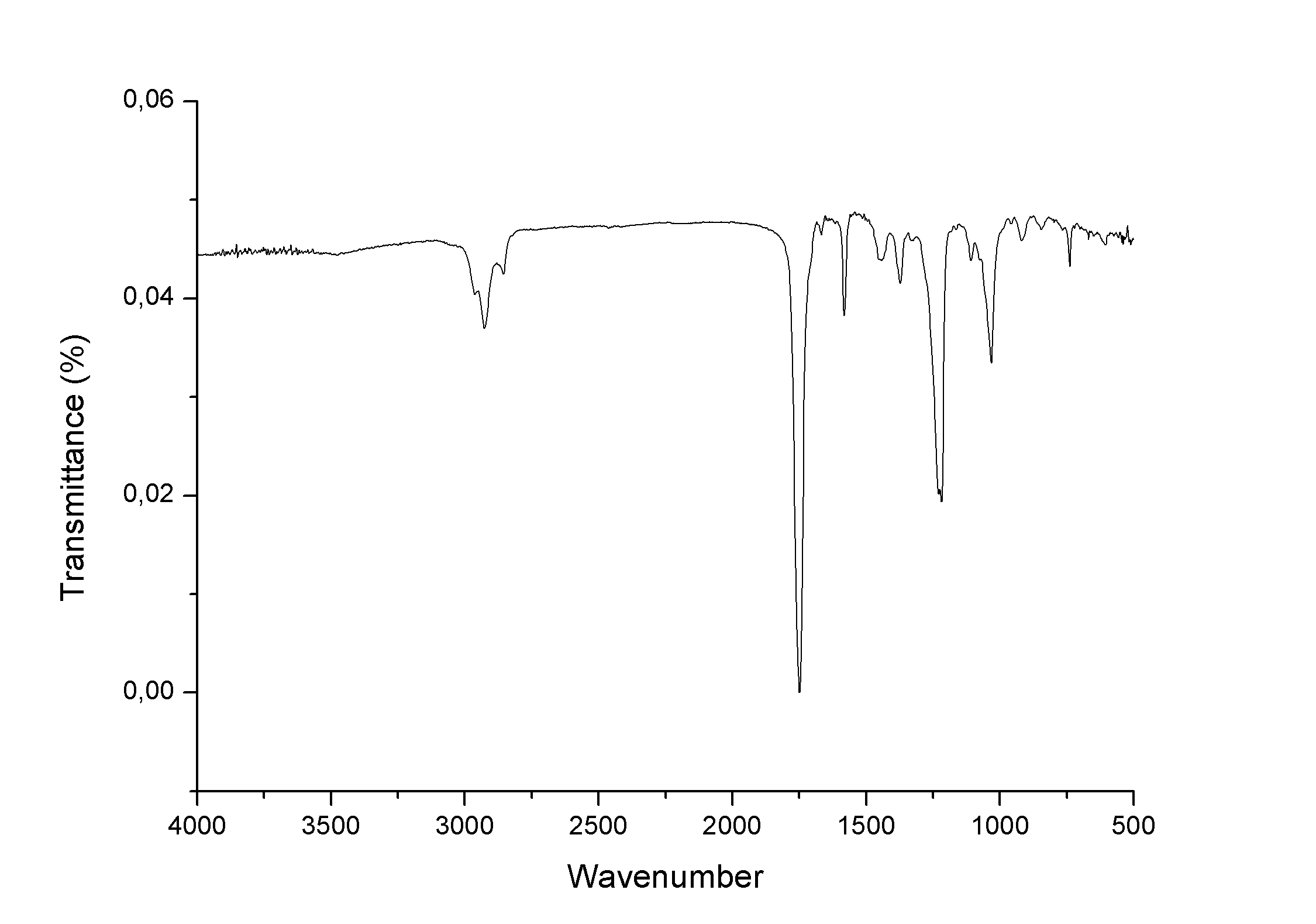
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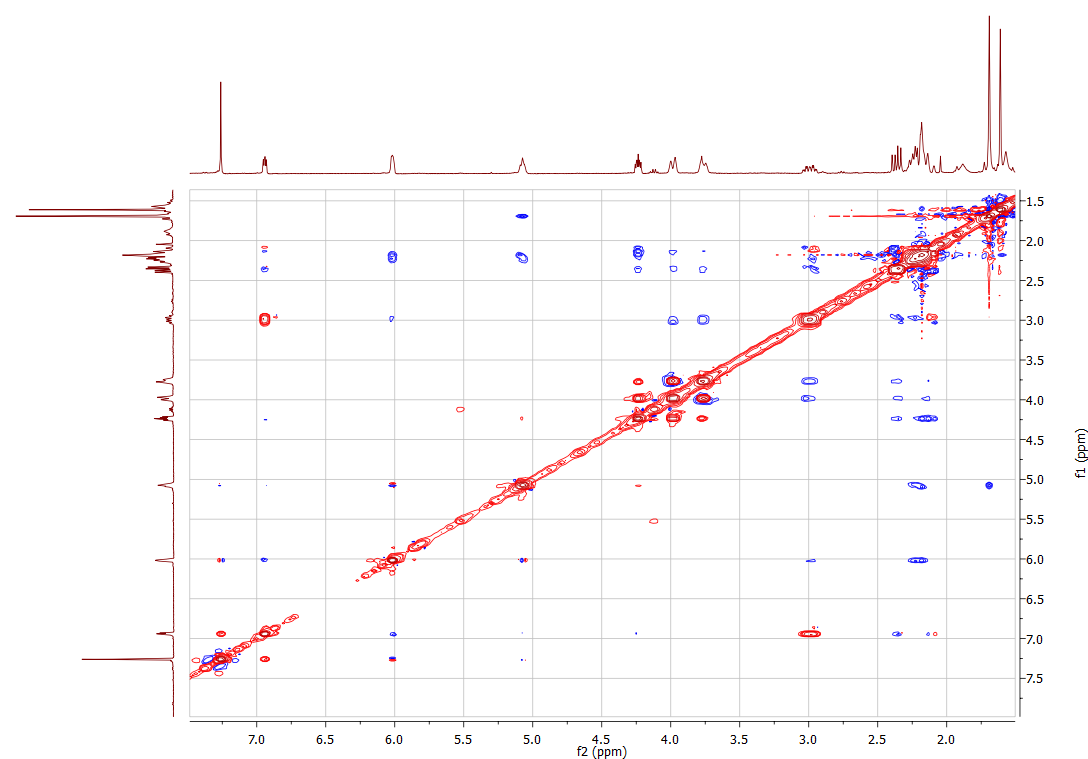


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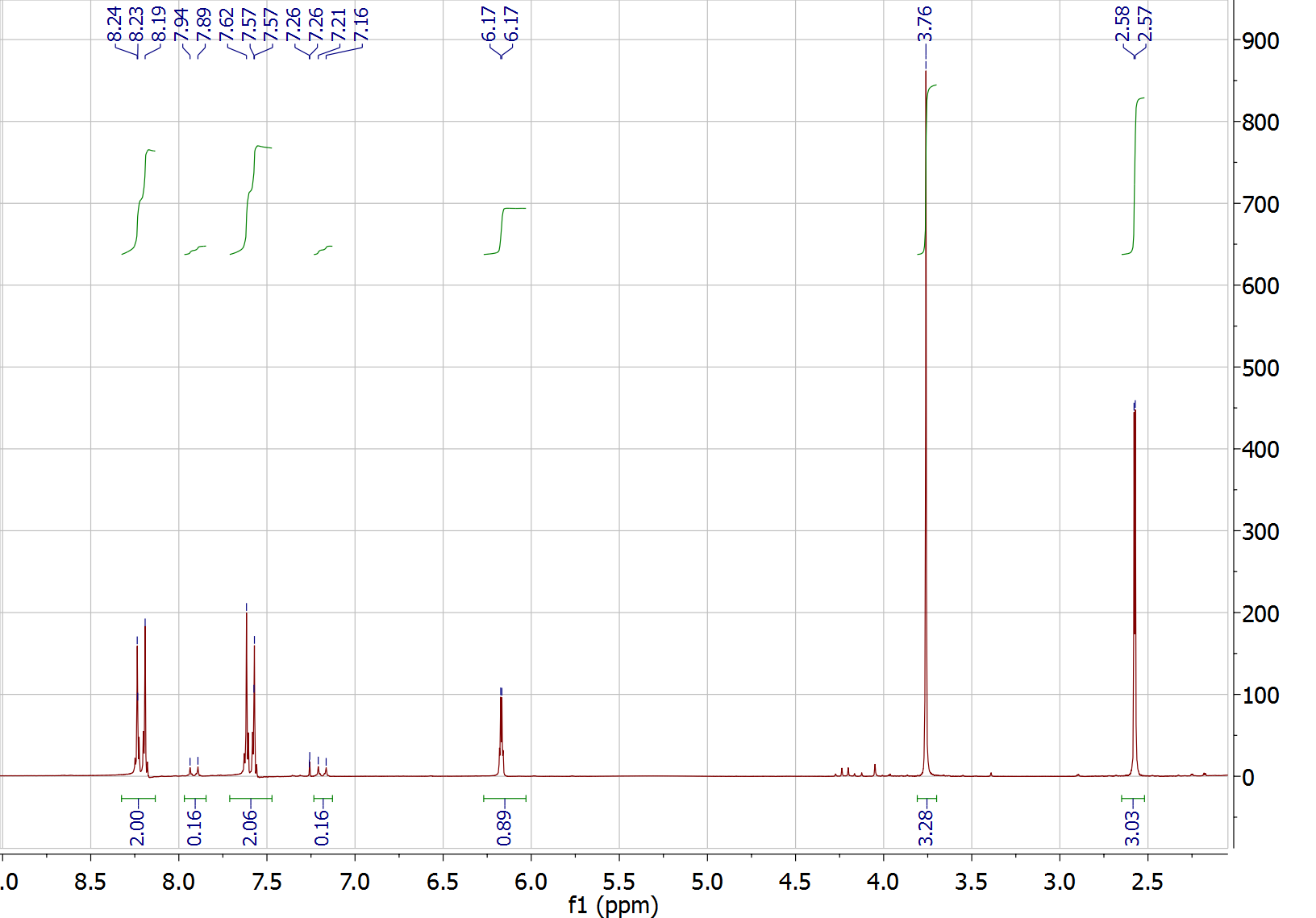
IR of **12**

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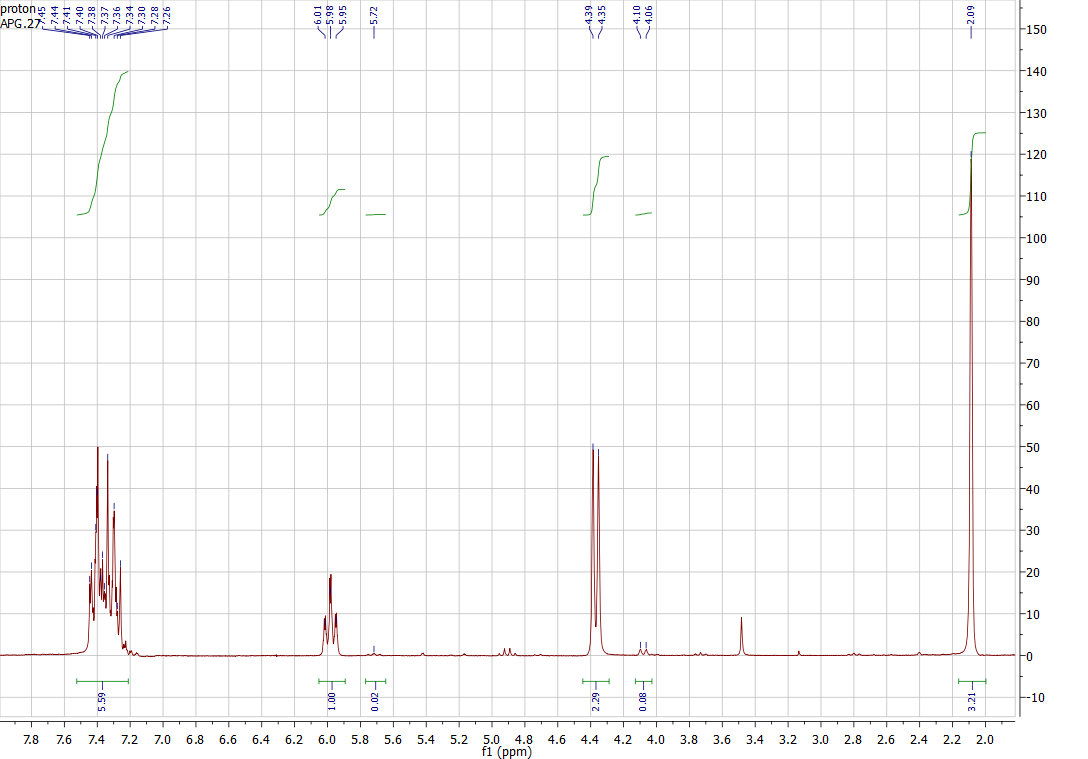
ROESY of **12**

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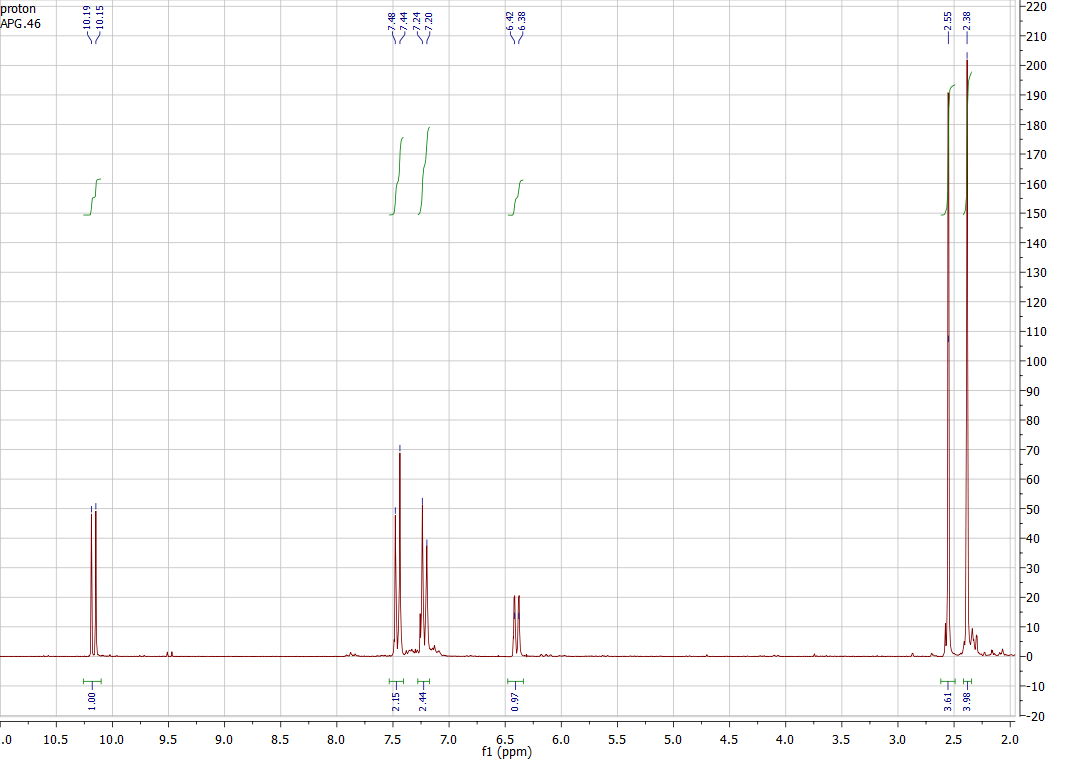
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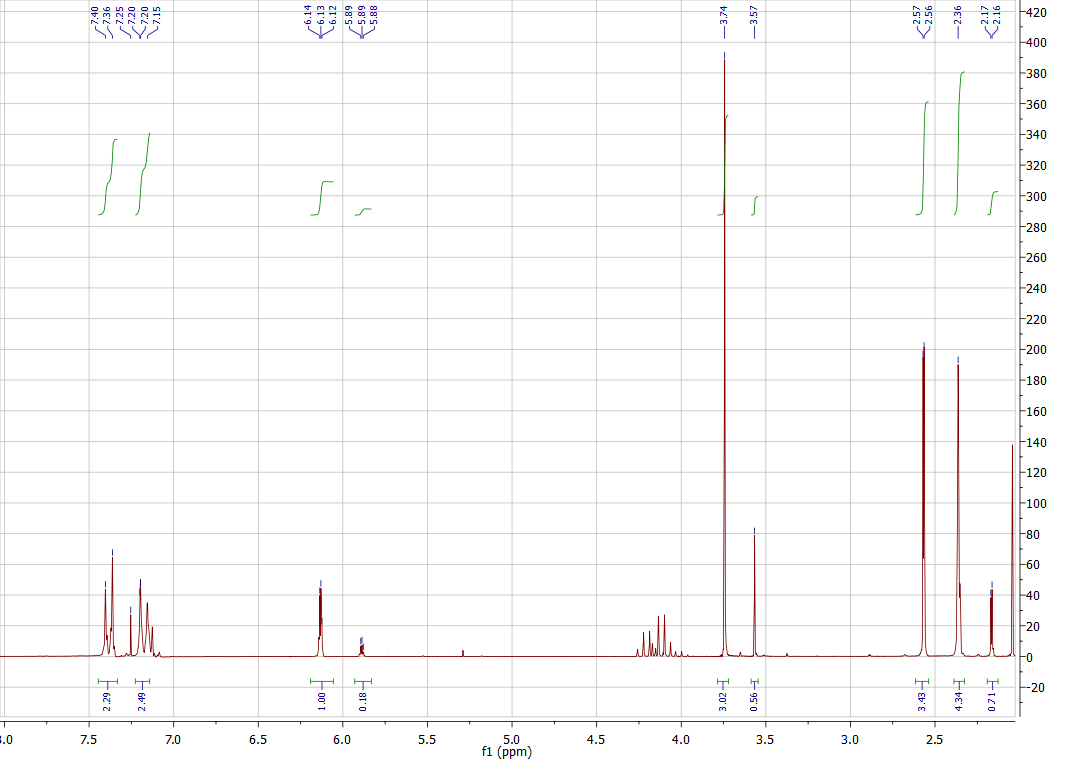
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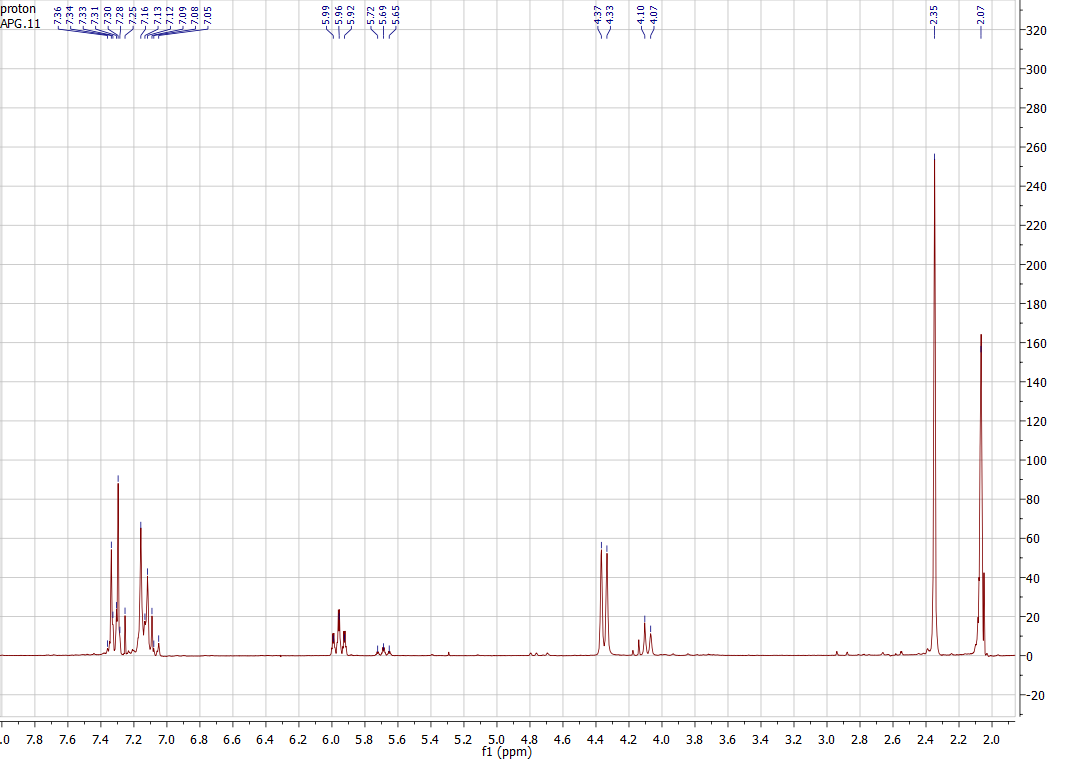
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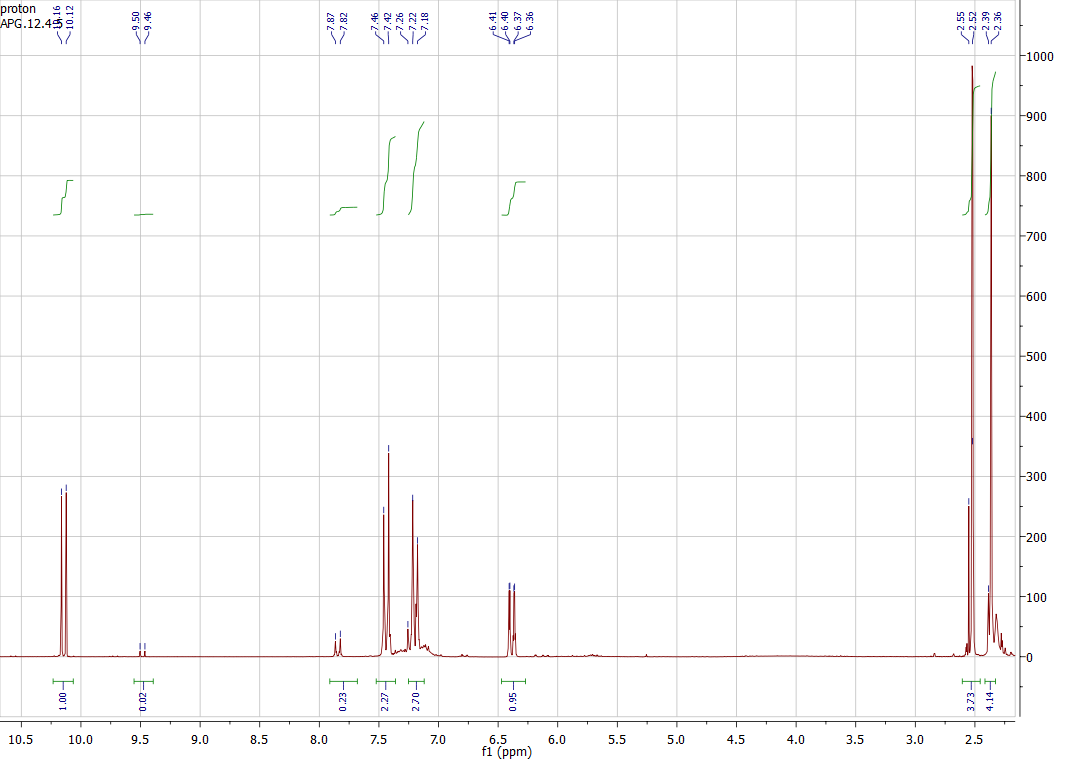
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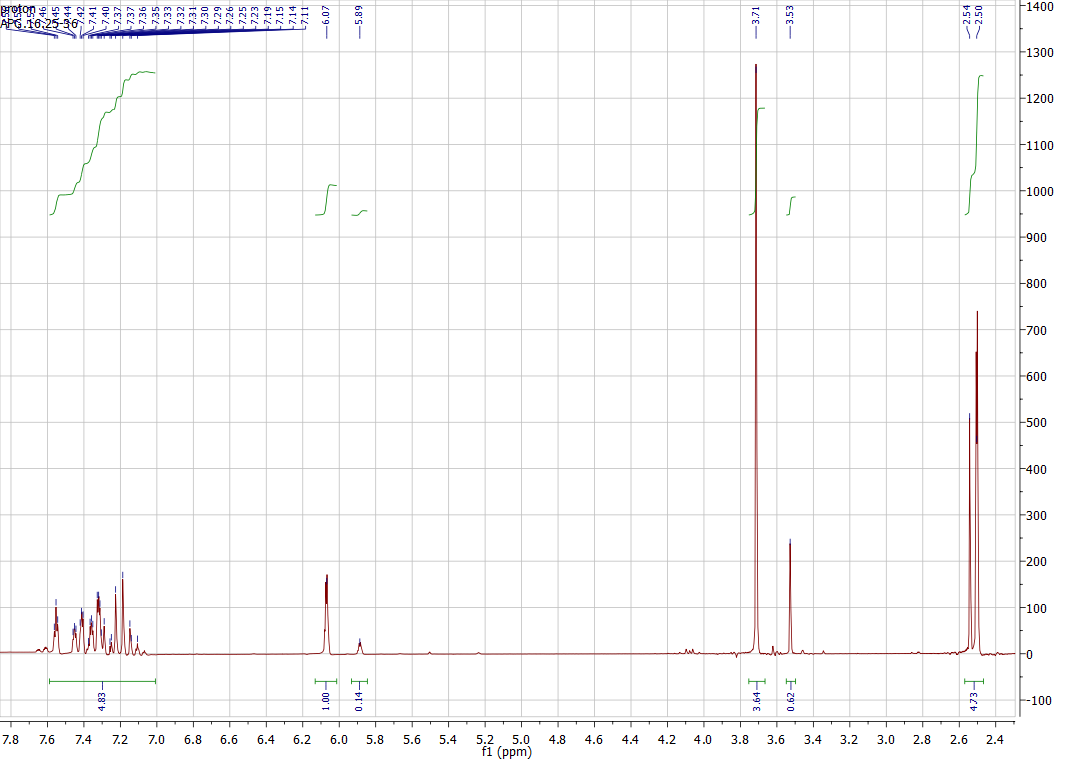
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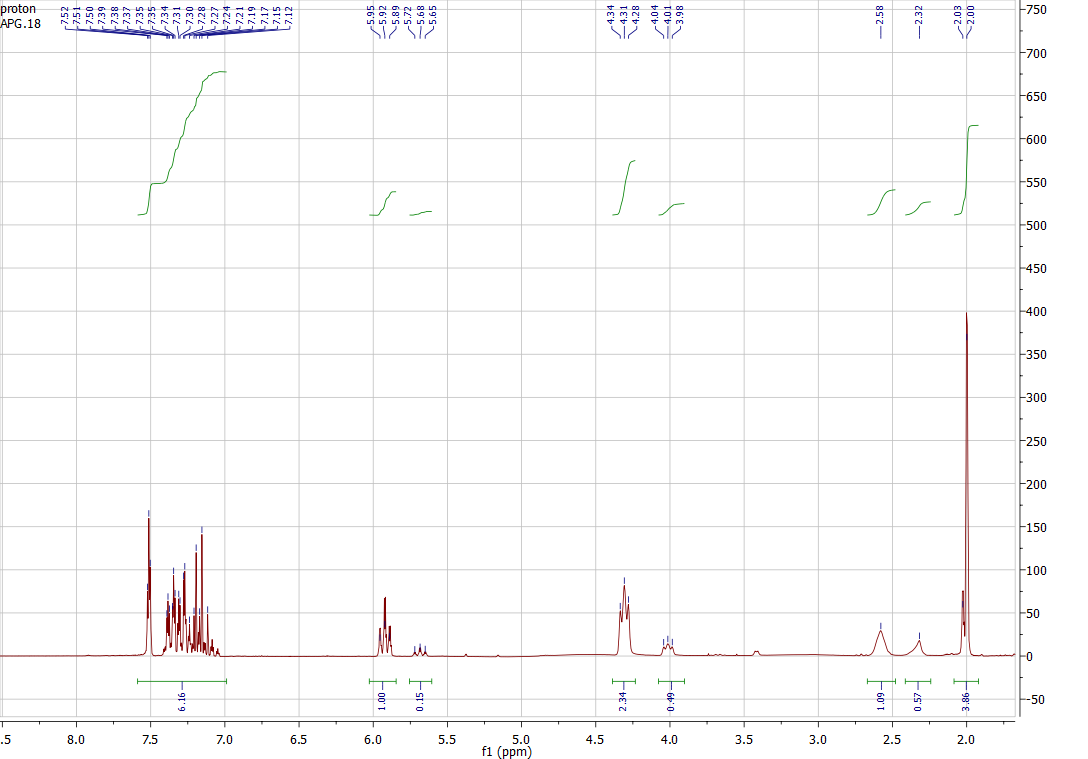
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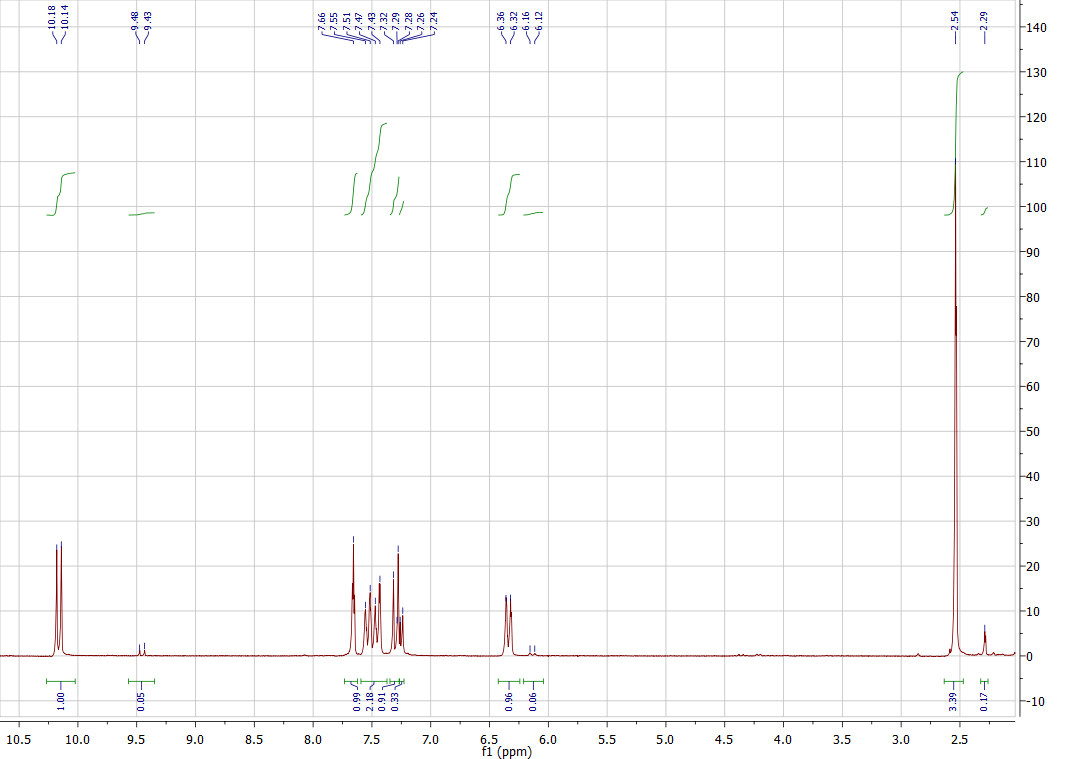
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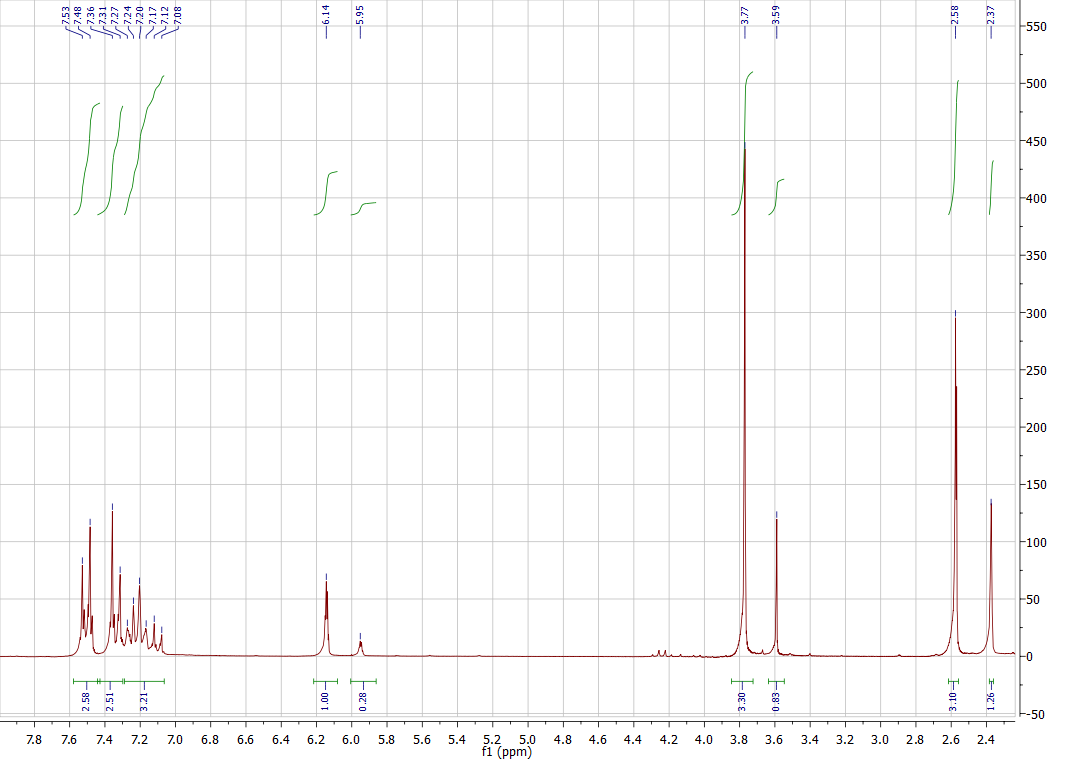
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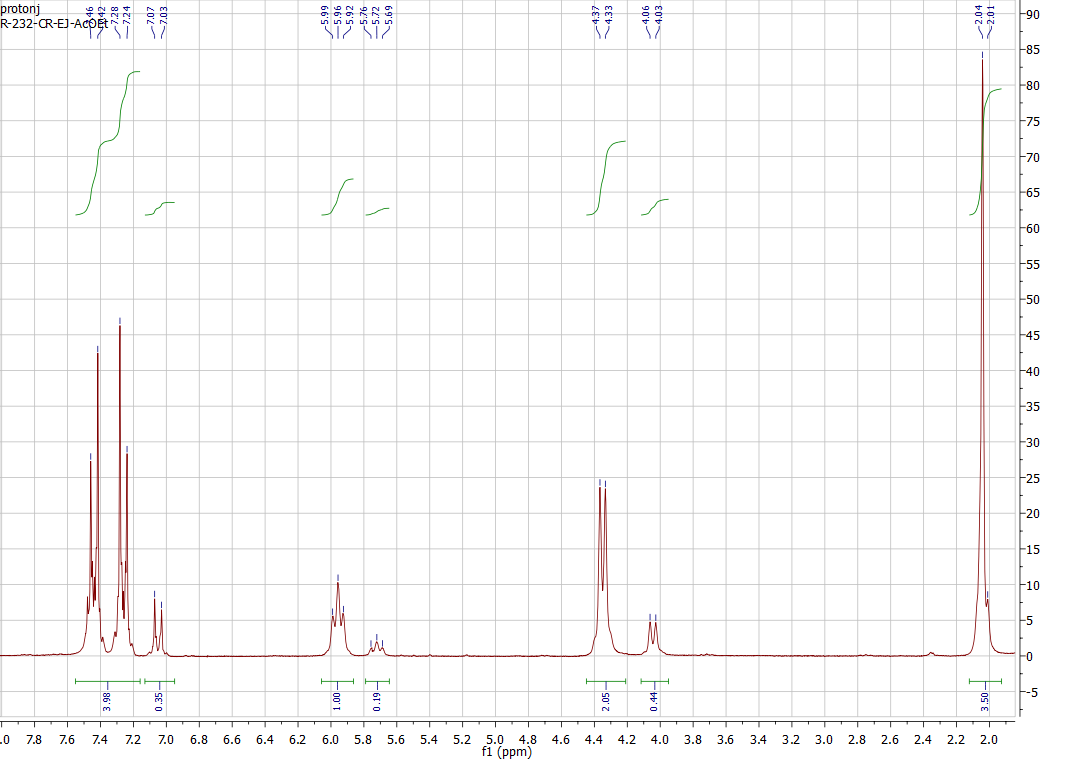
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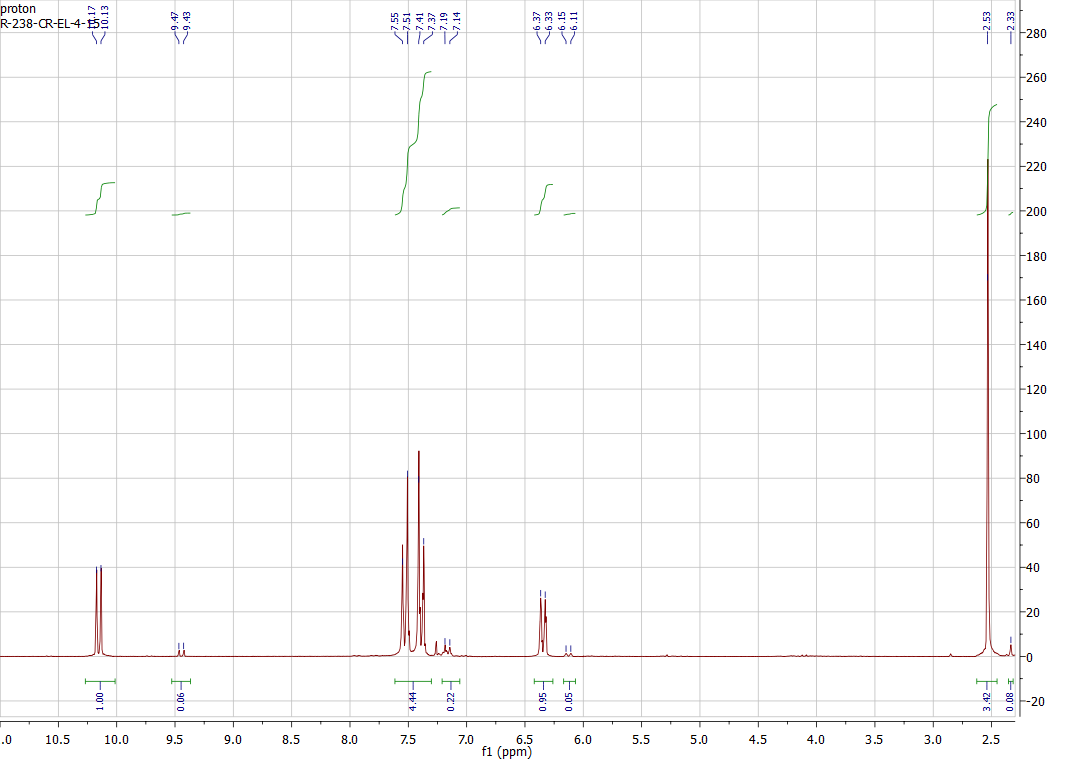
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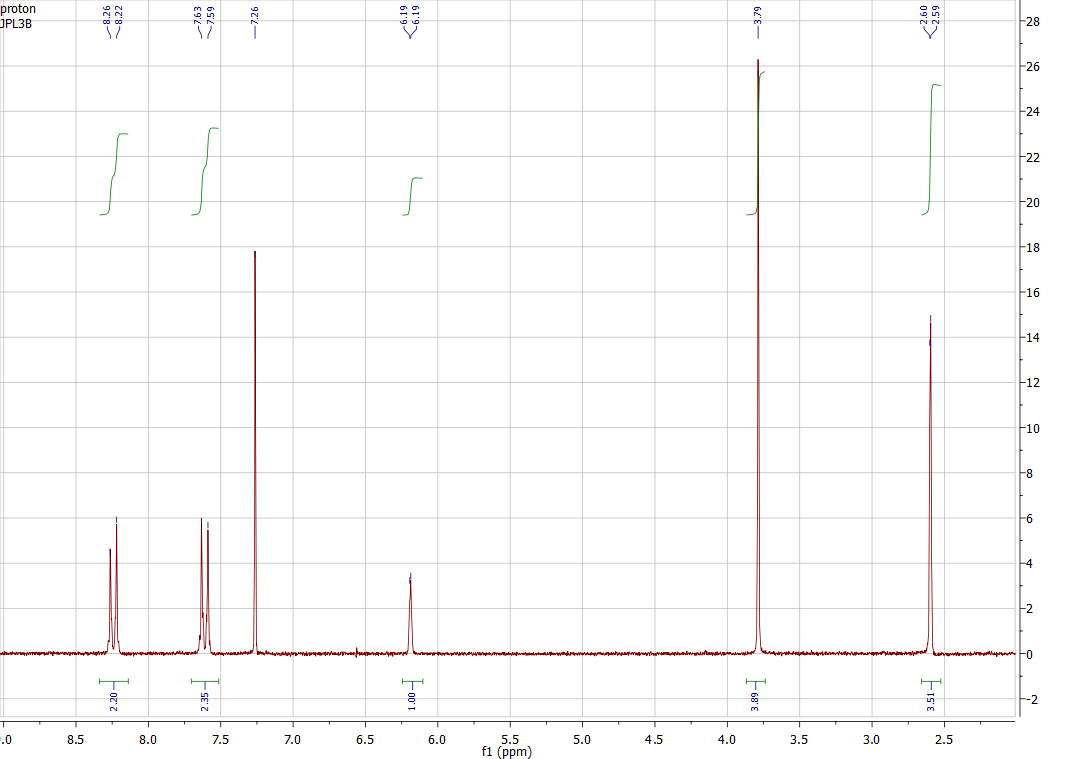
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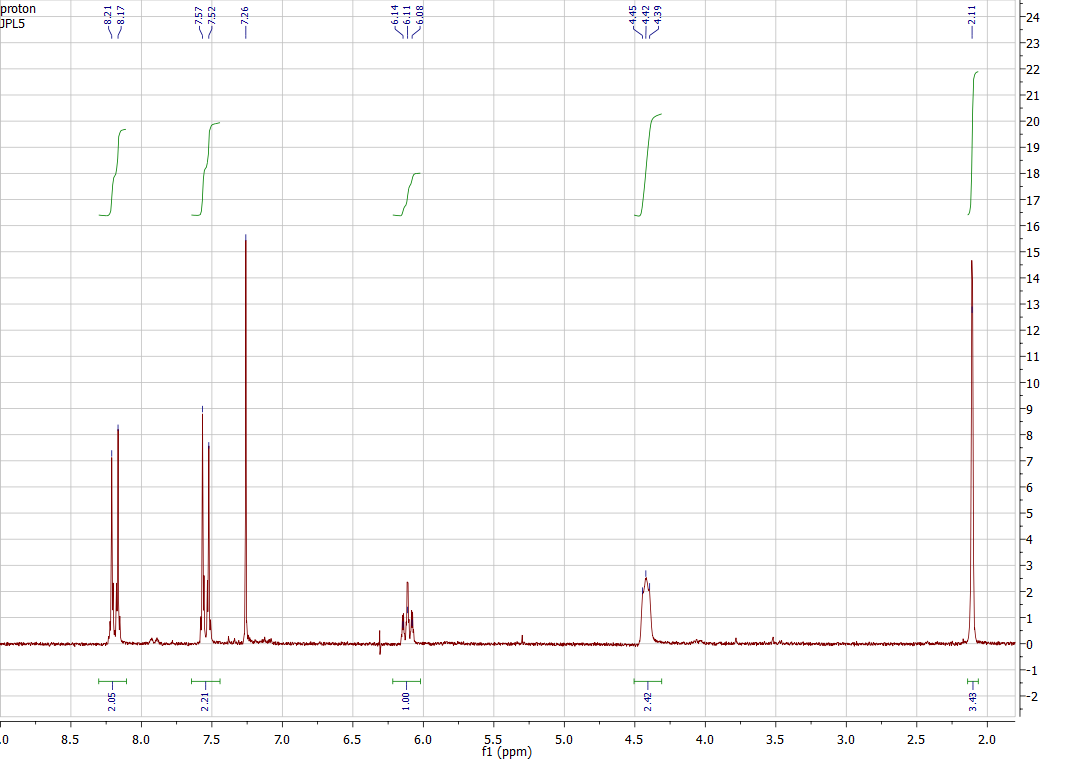
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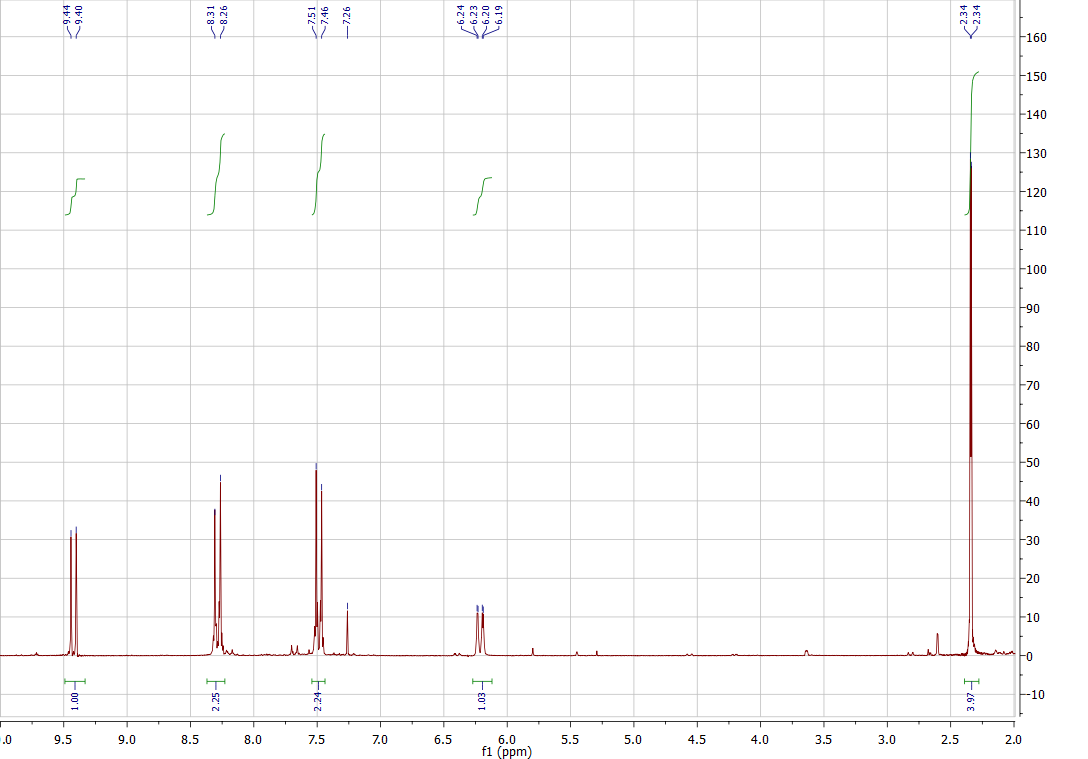
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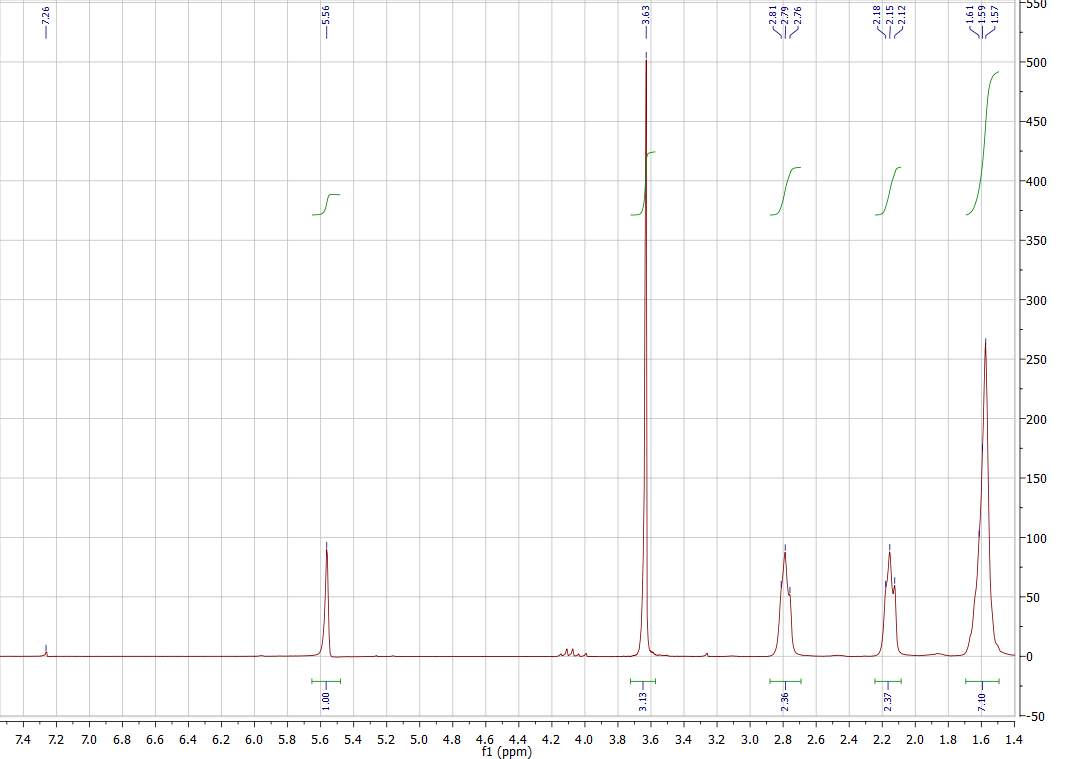
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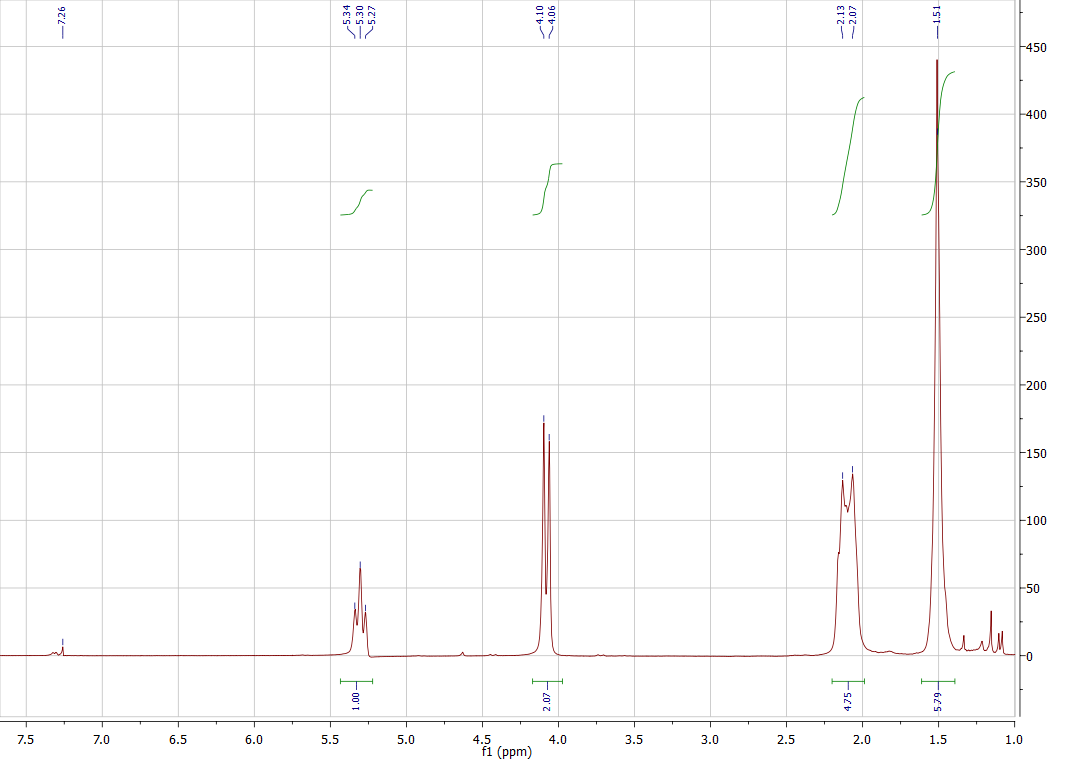
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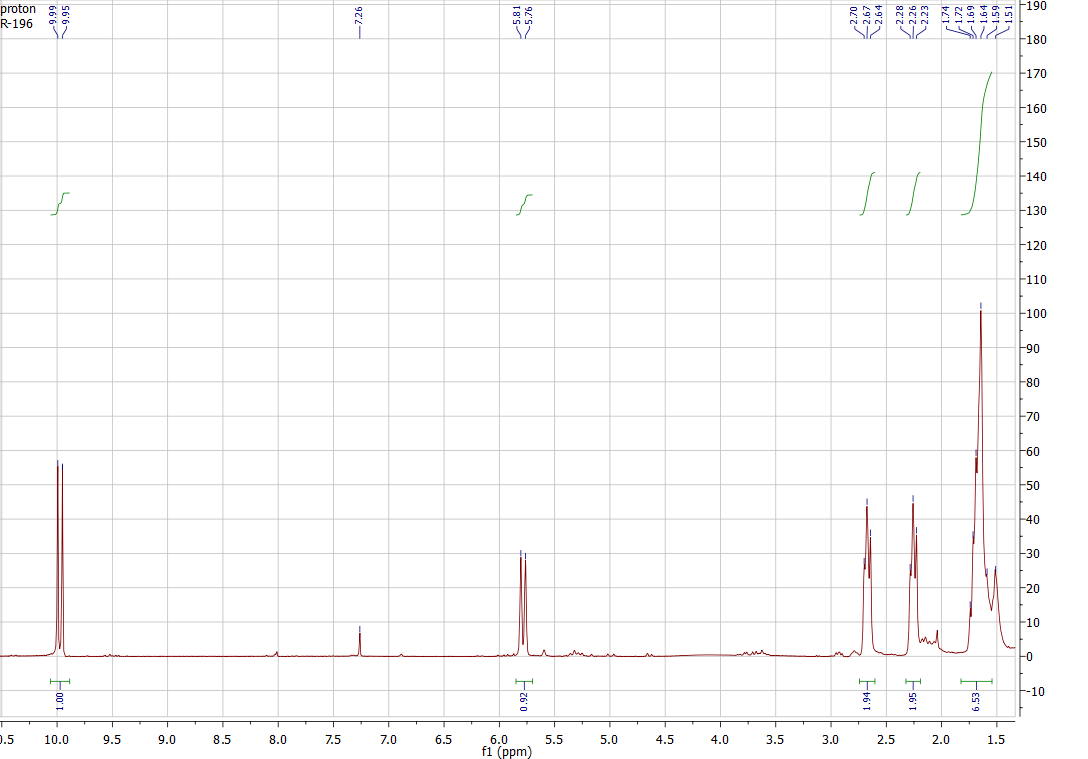
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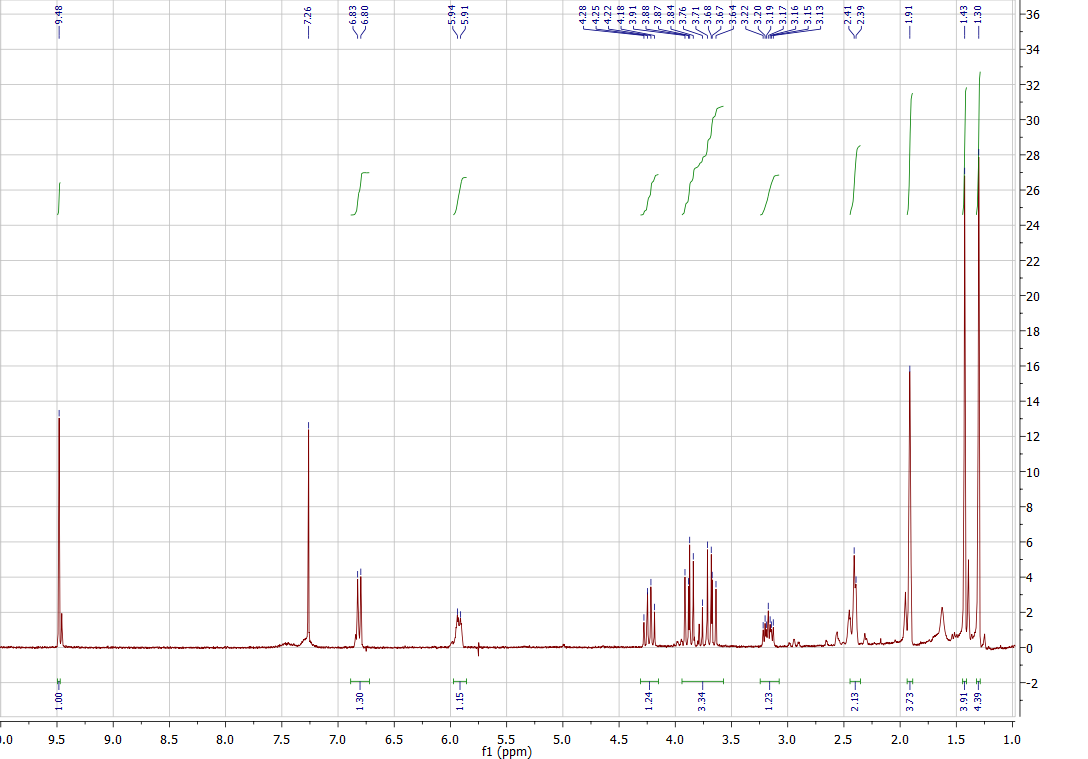
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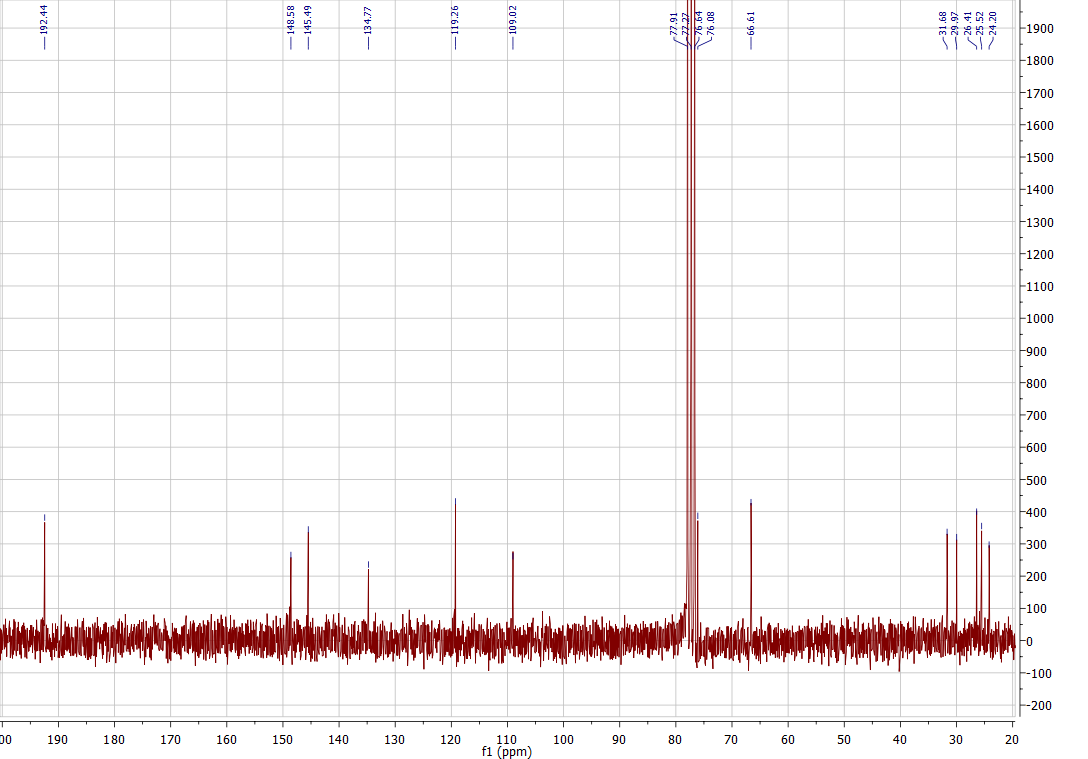


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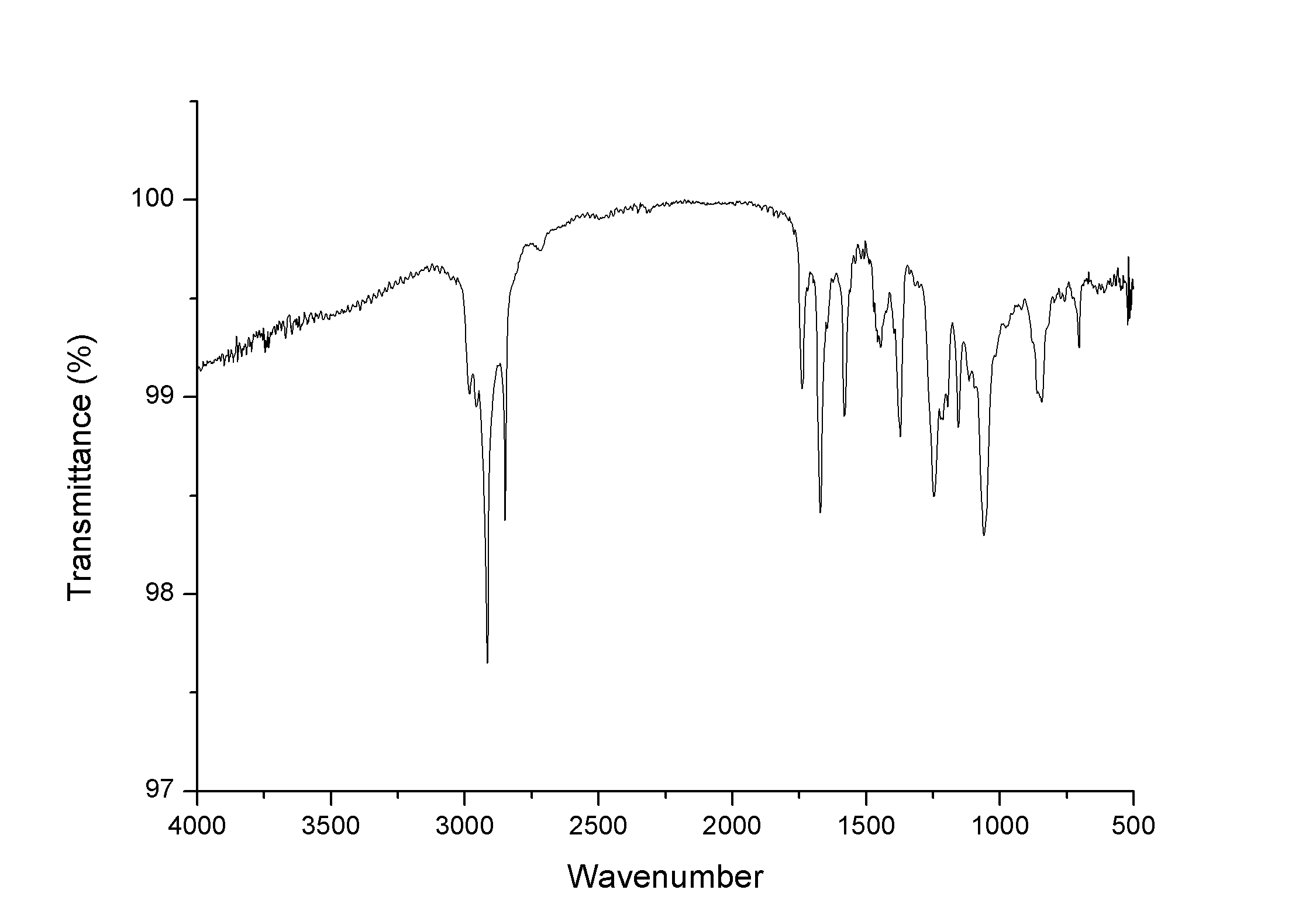


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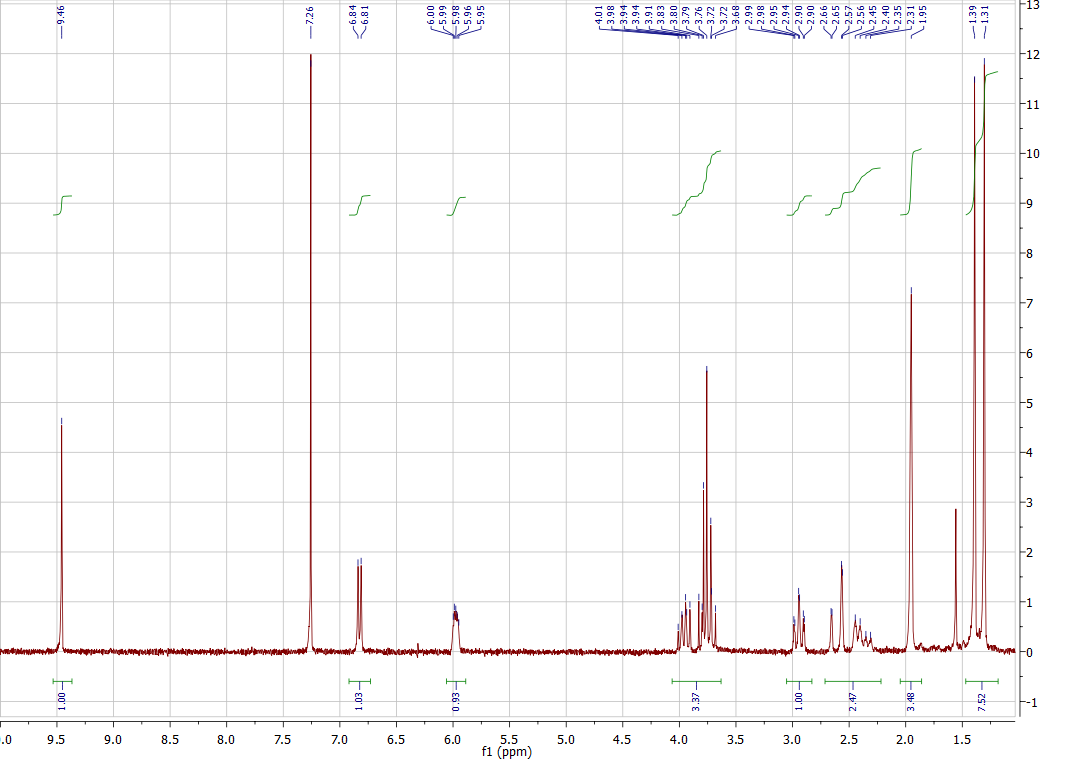


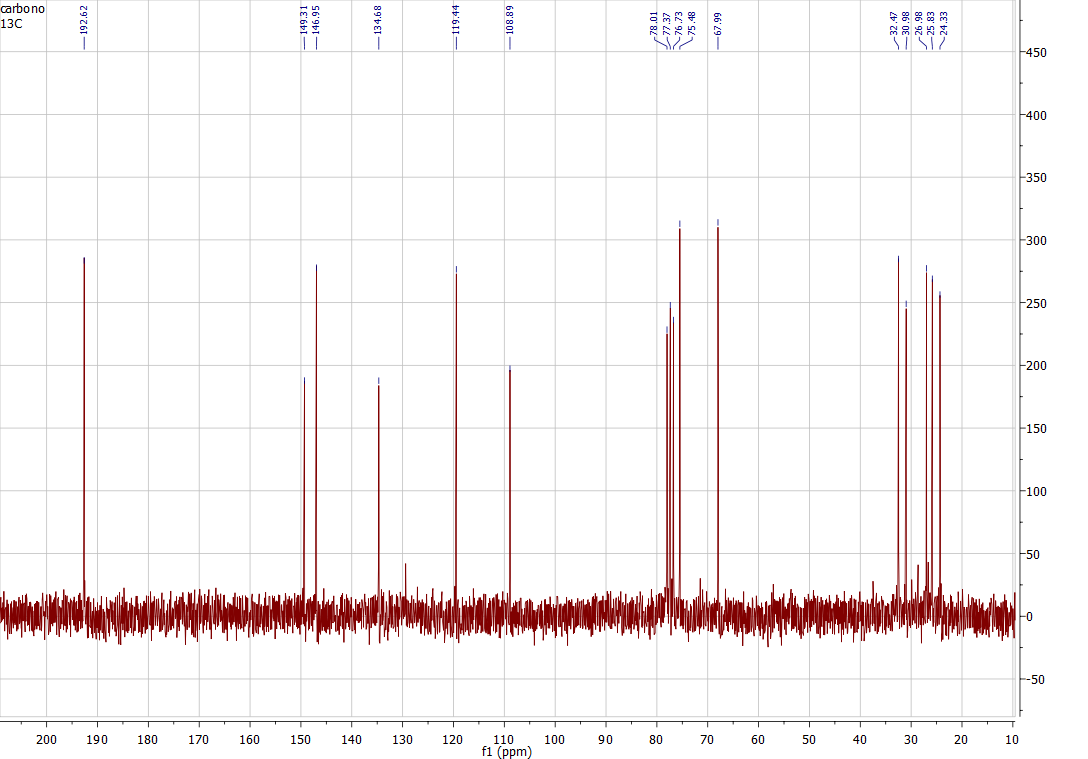


IR of **20a**

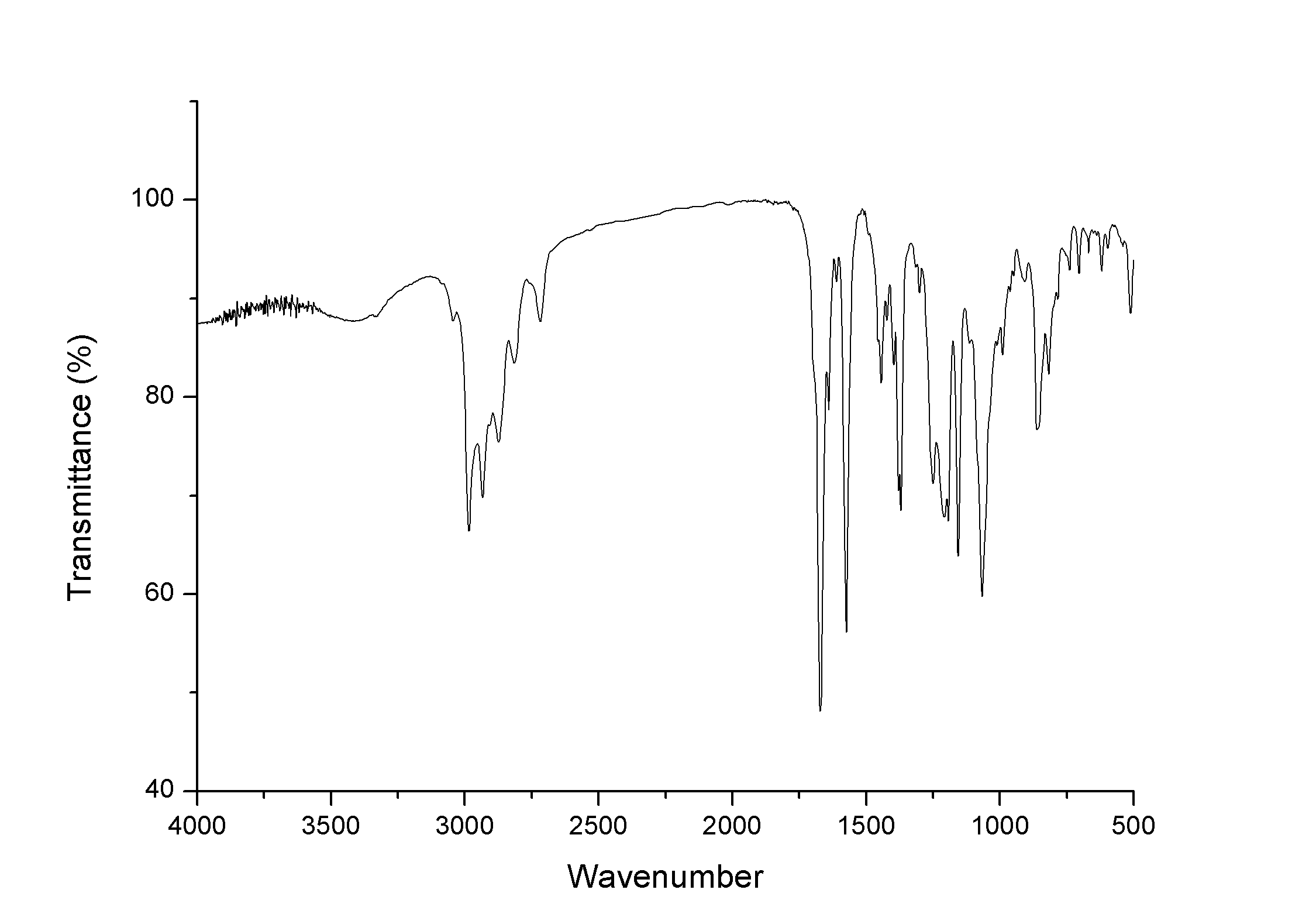
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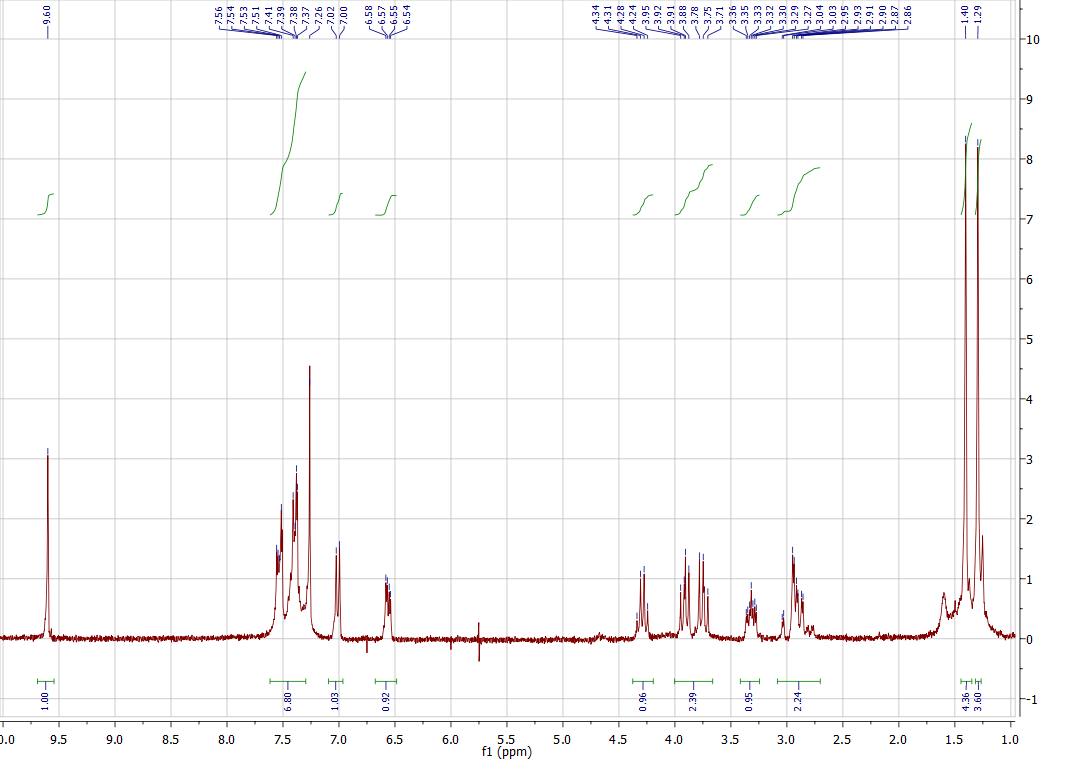


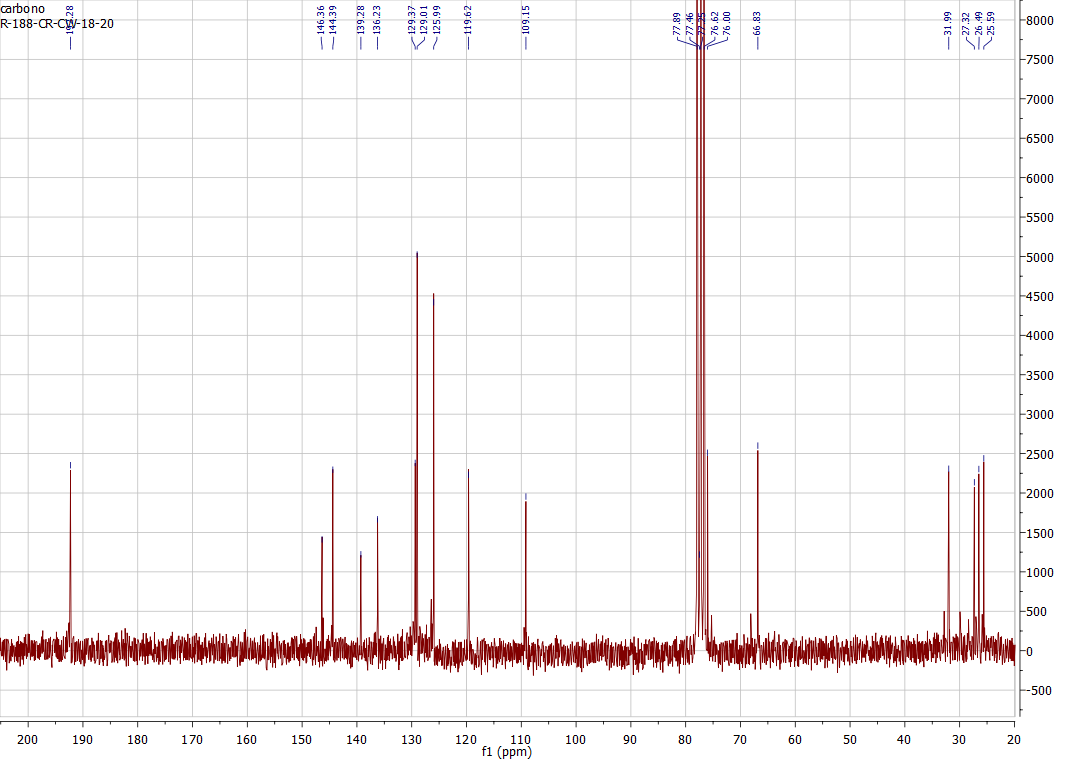


IR of **20b**

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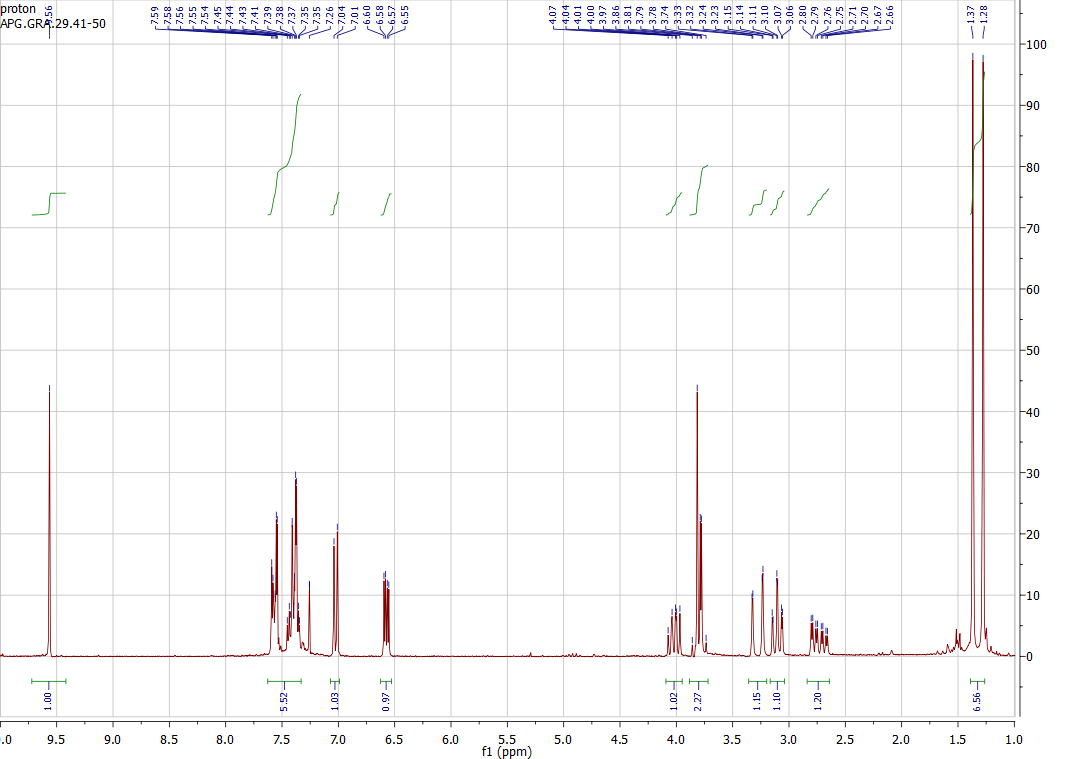


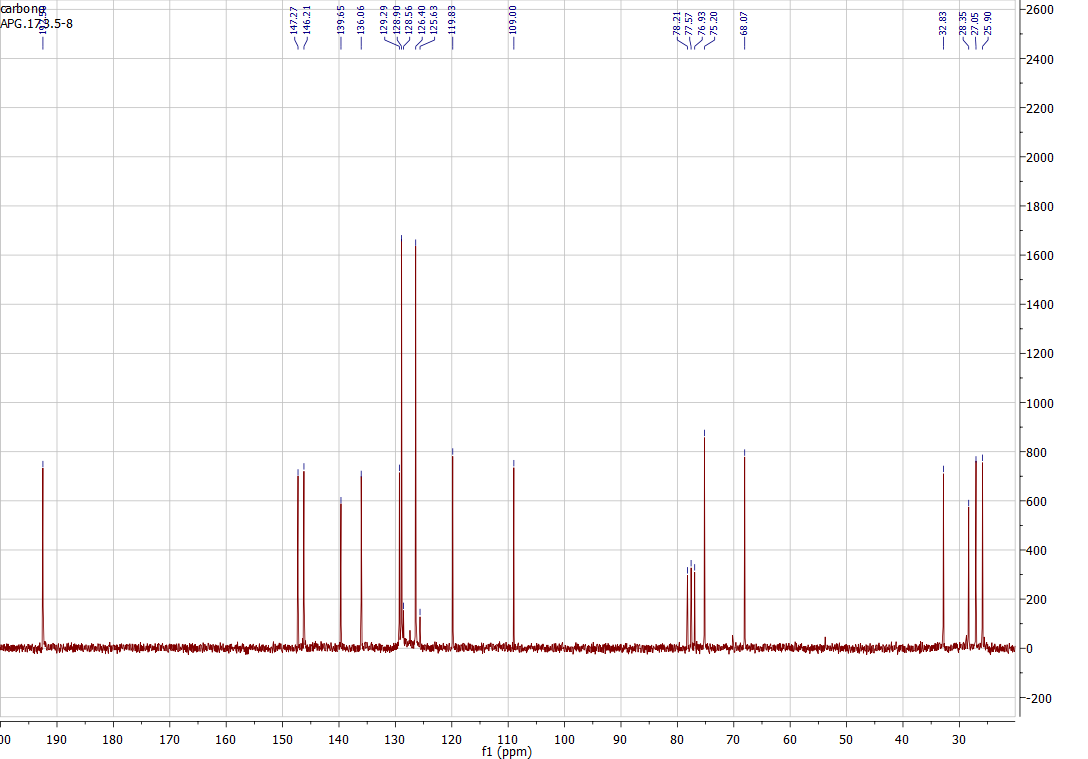


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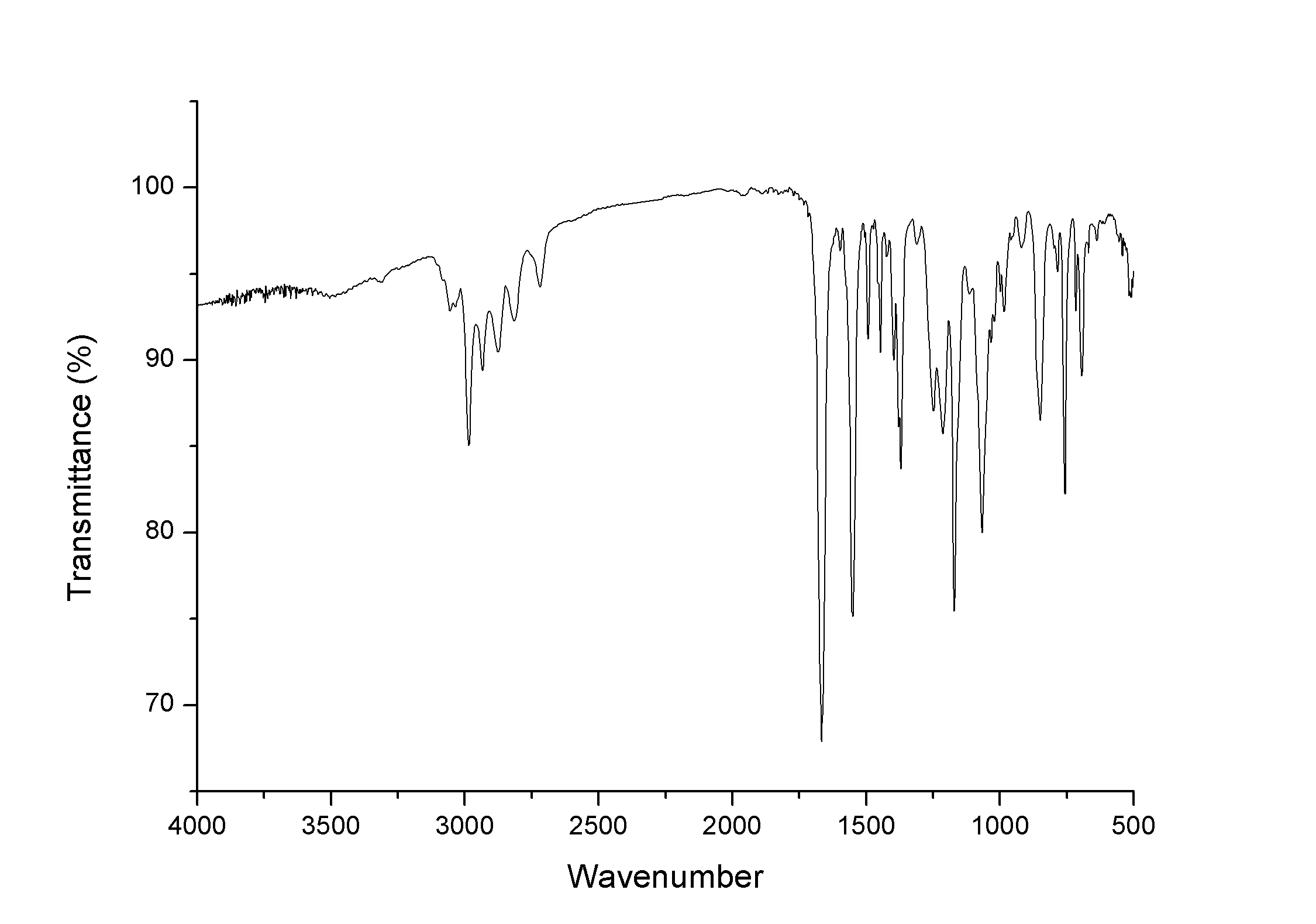
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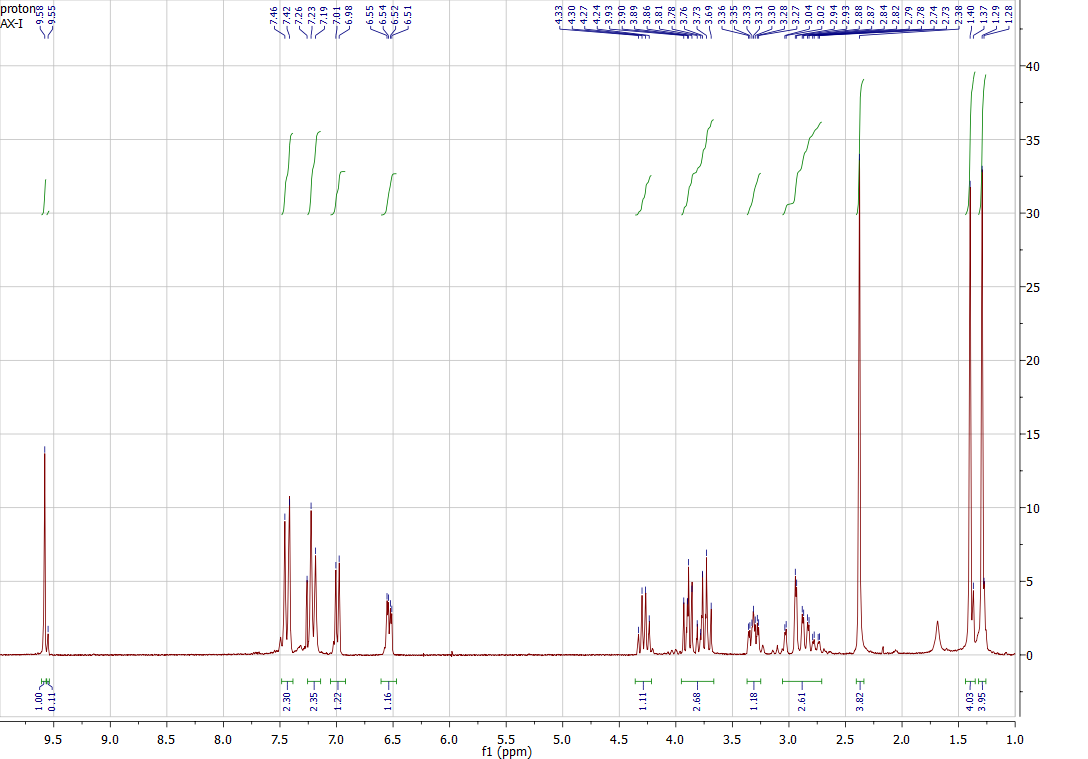


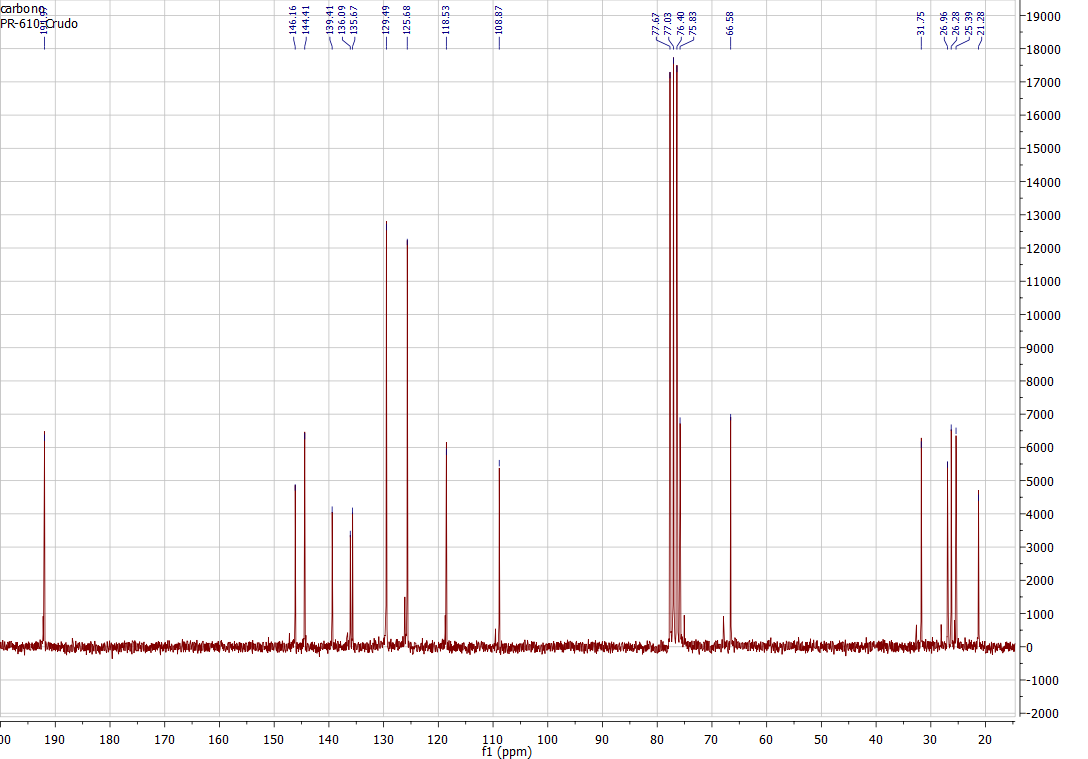


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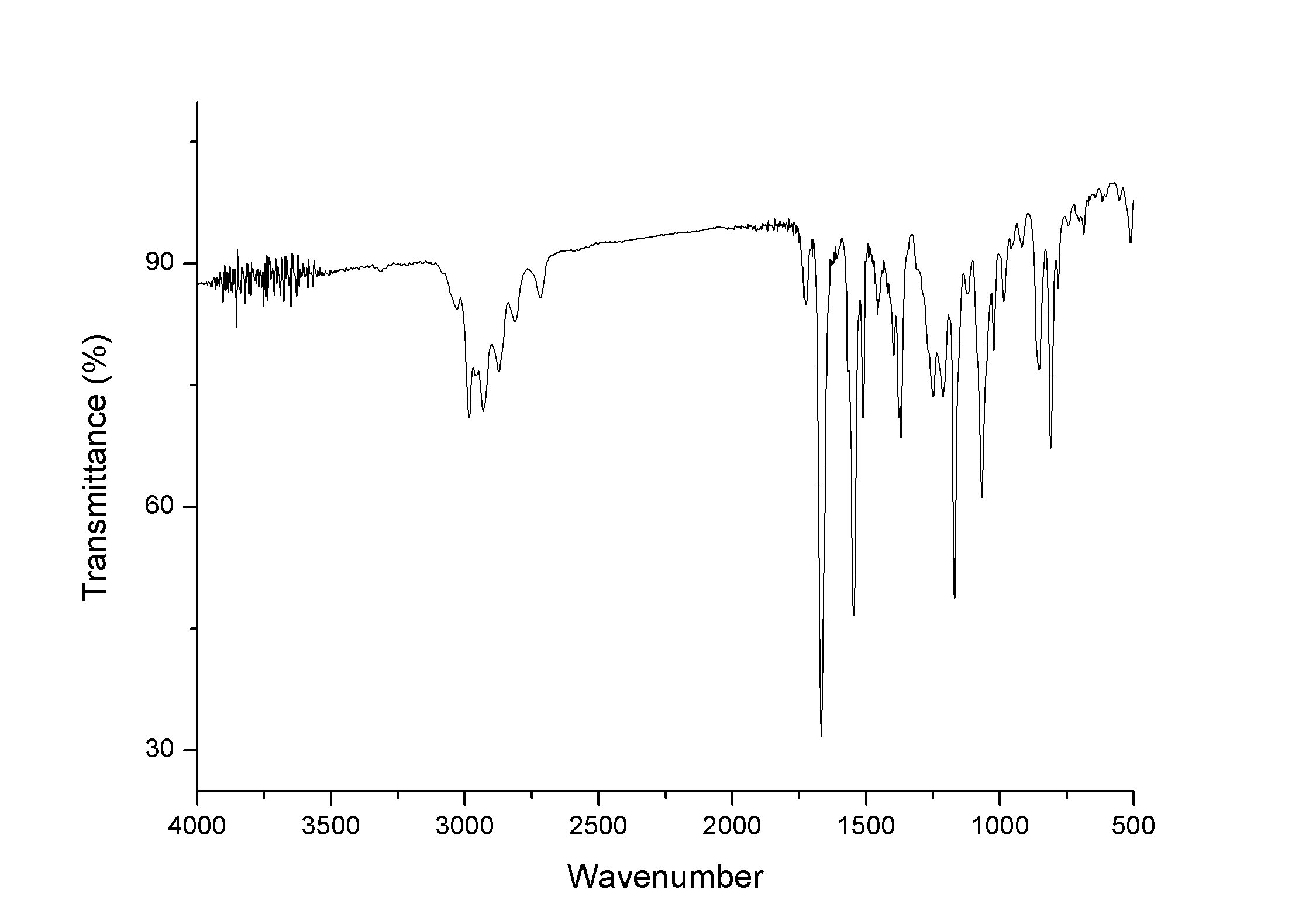
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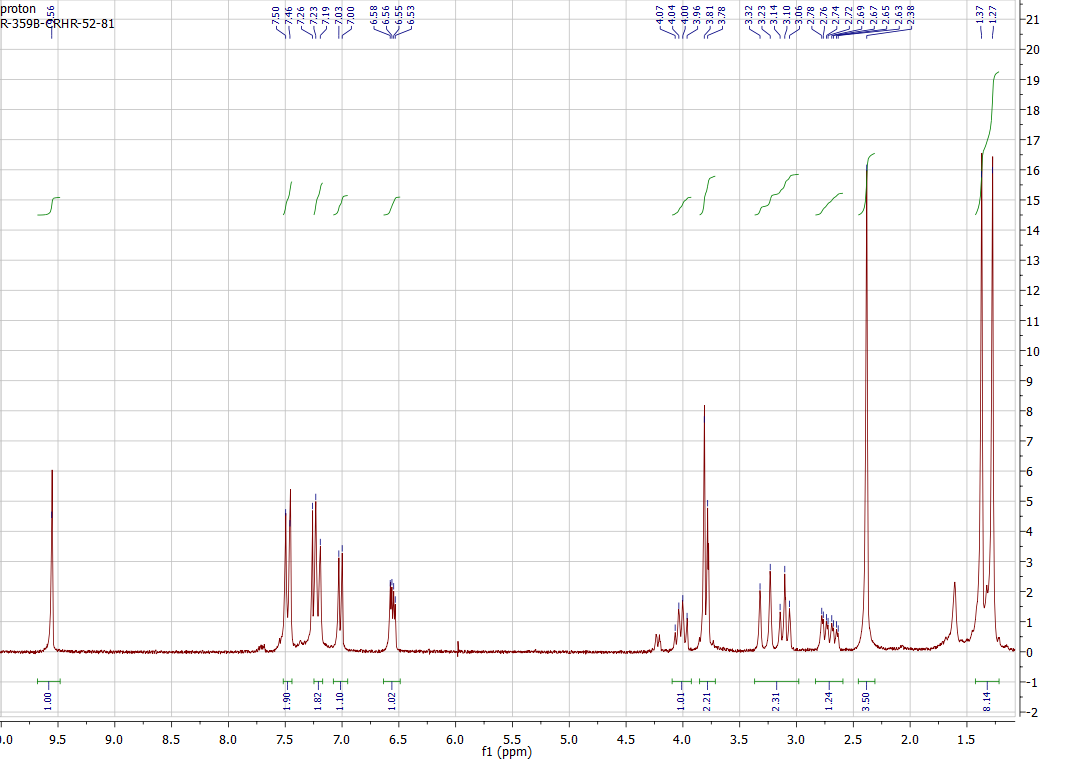


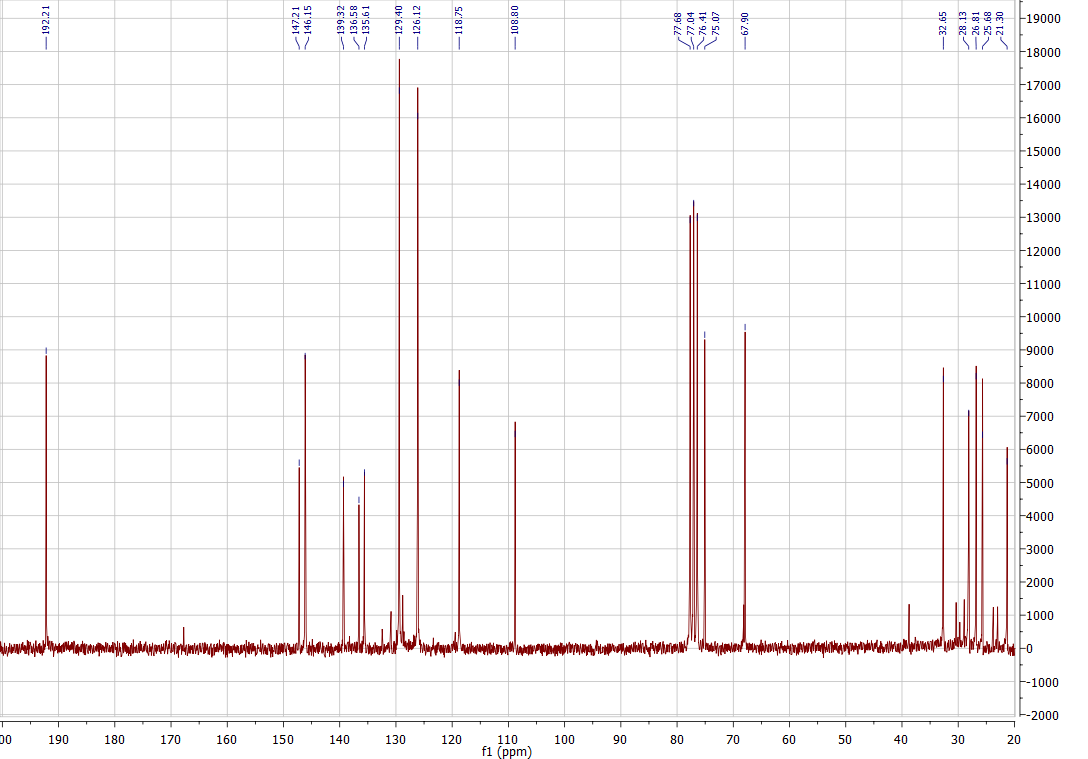


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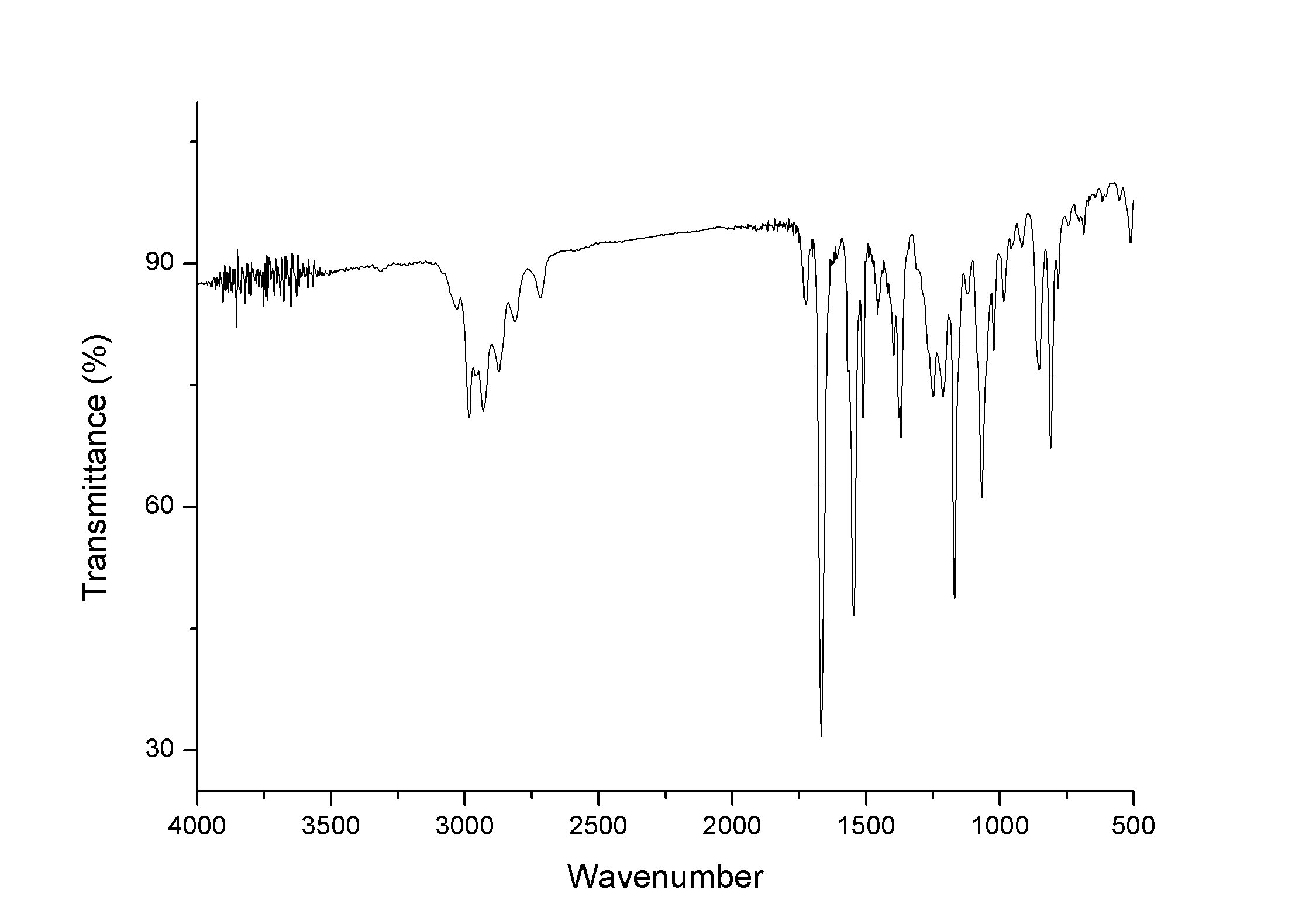
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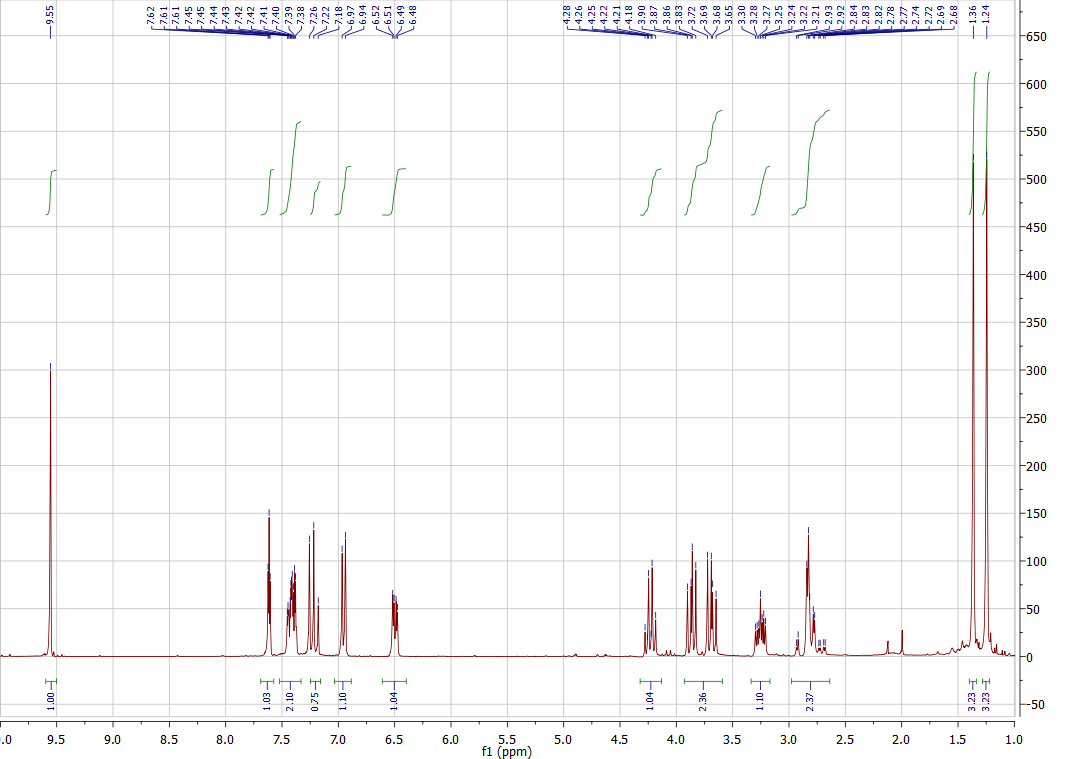


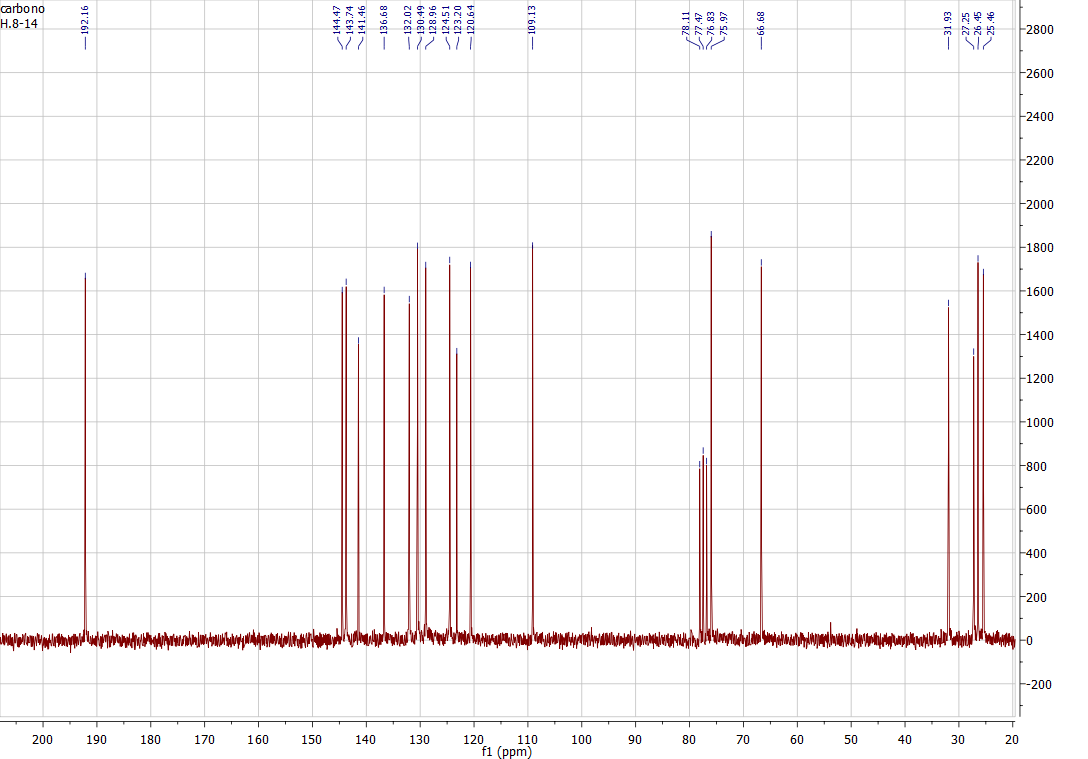


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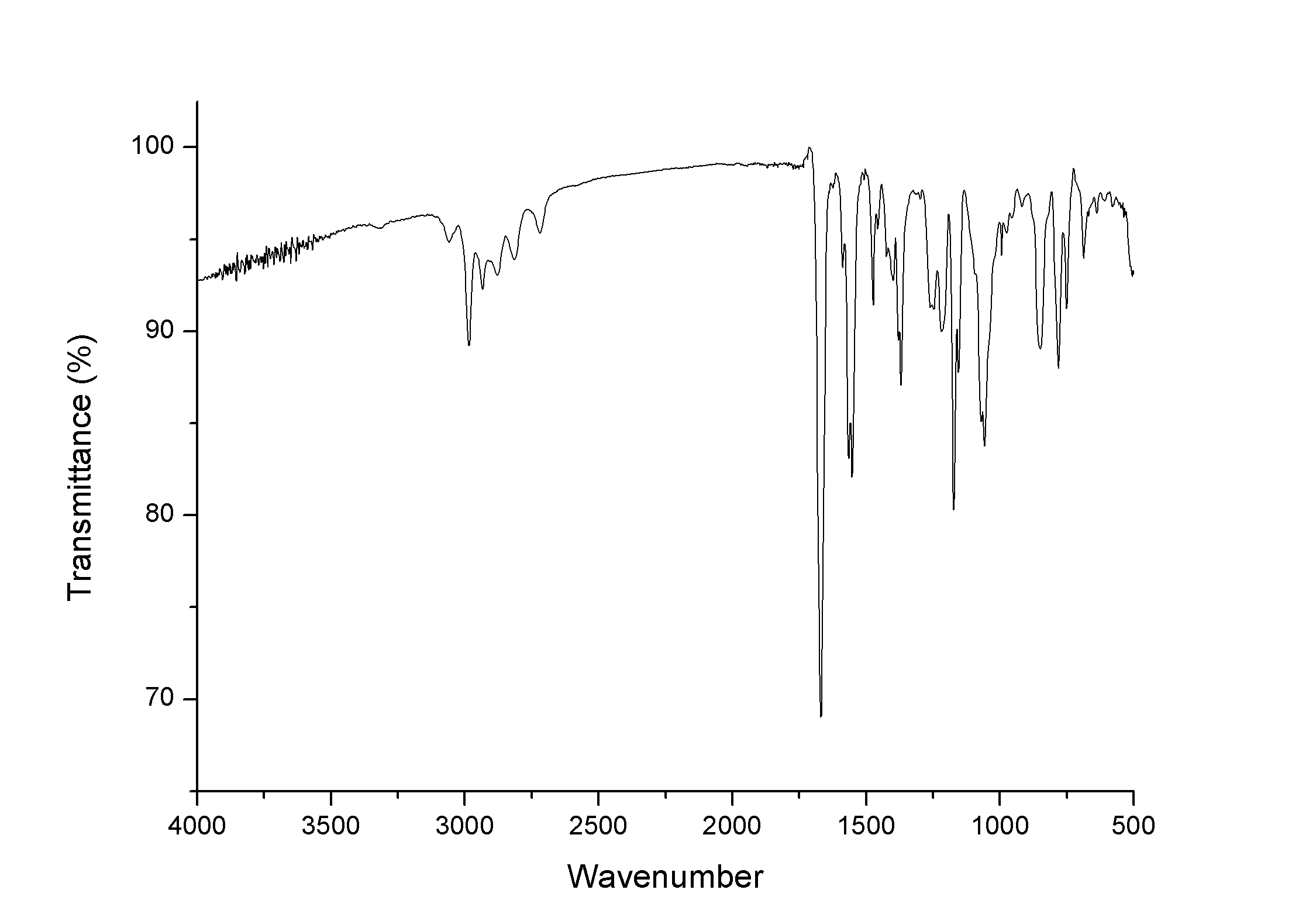
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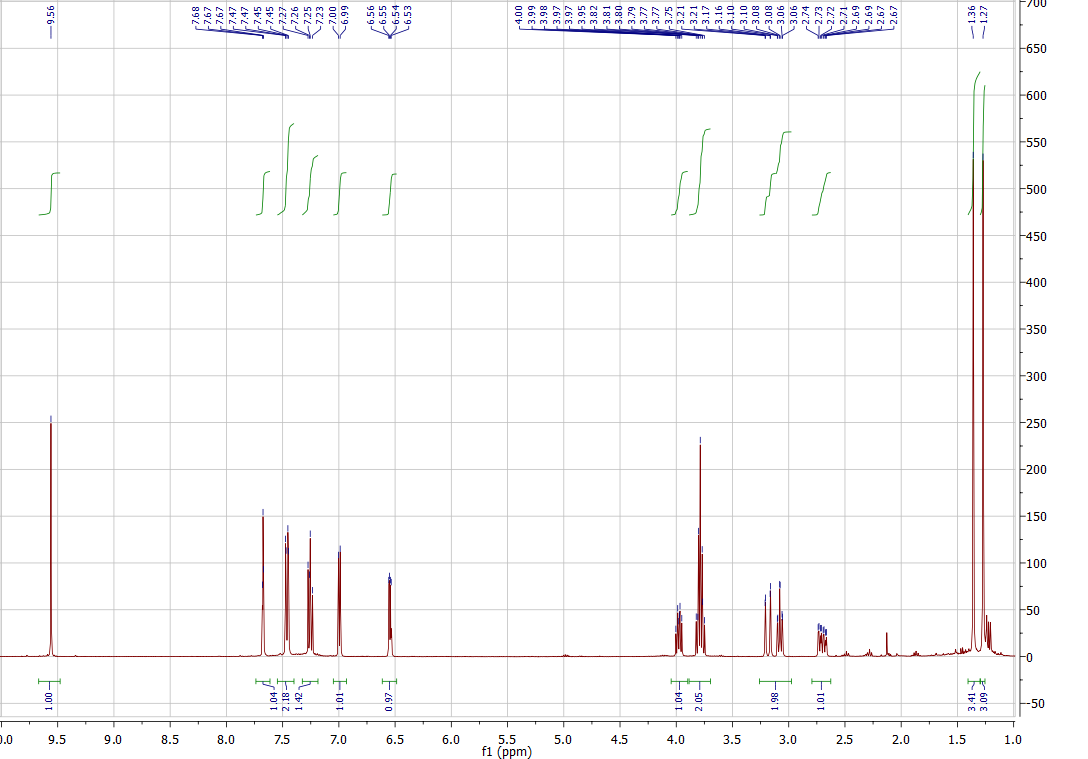


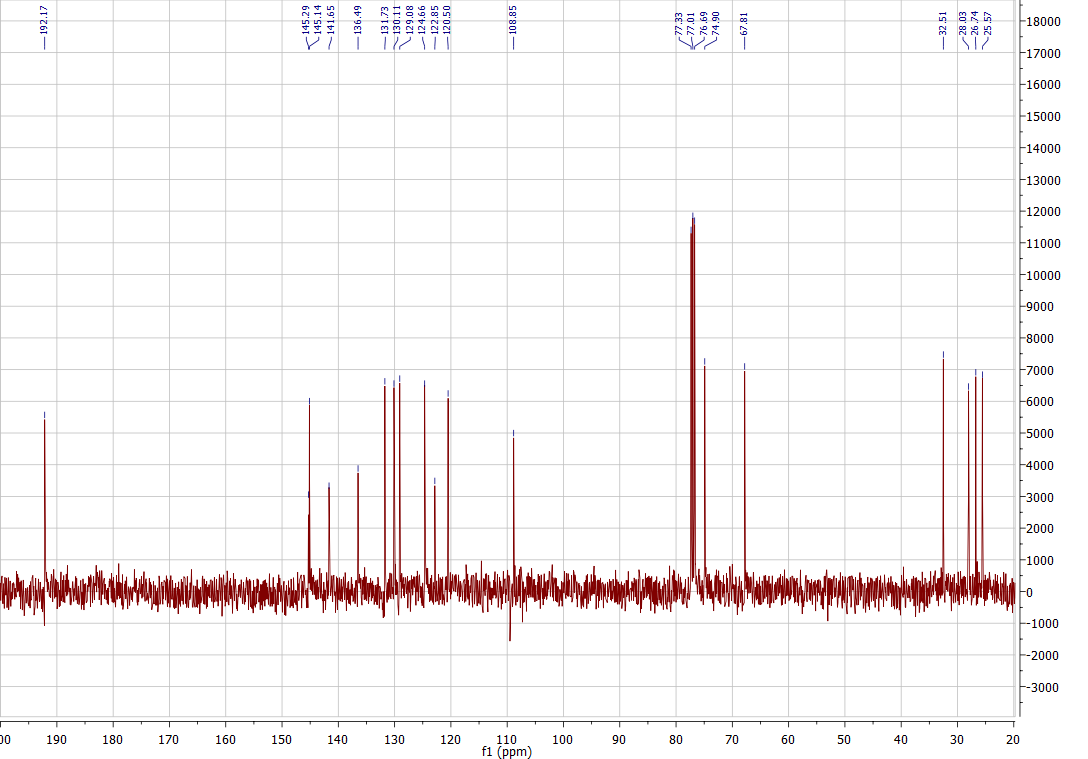


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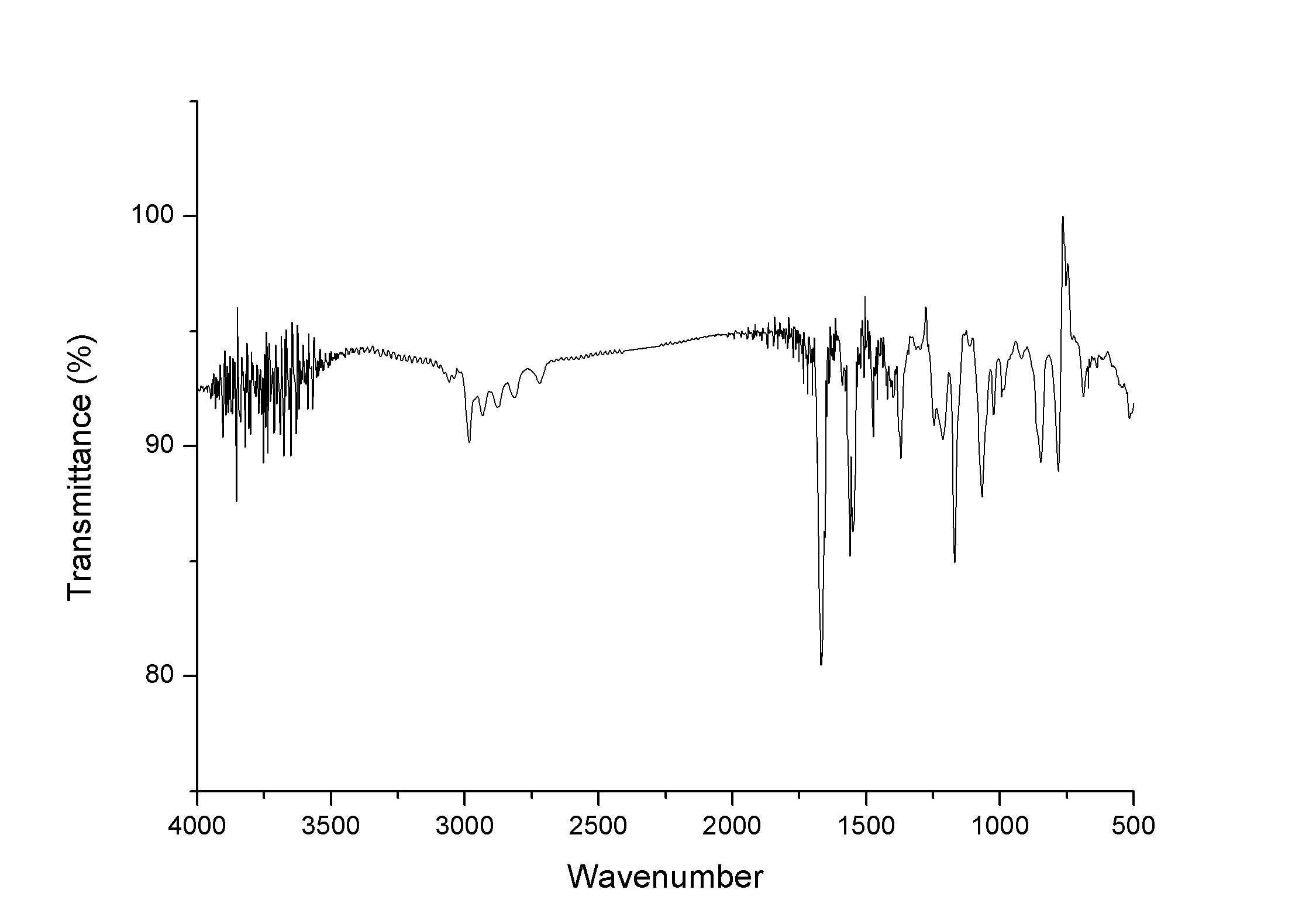
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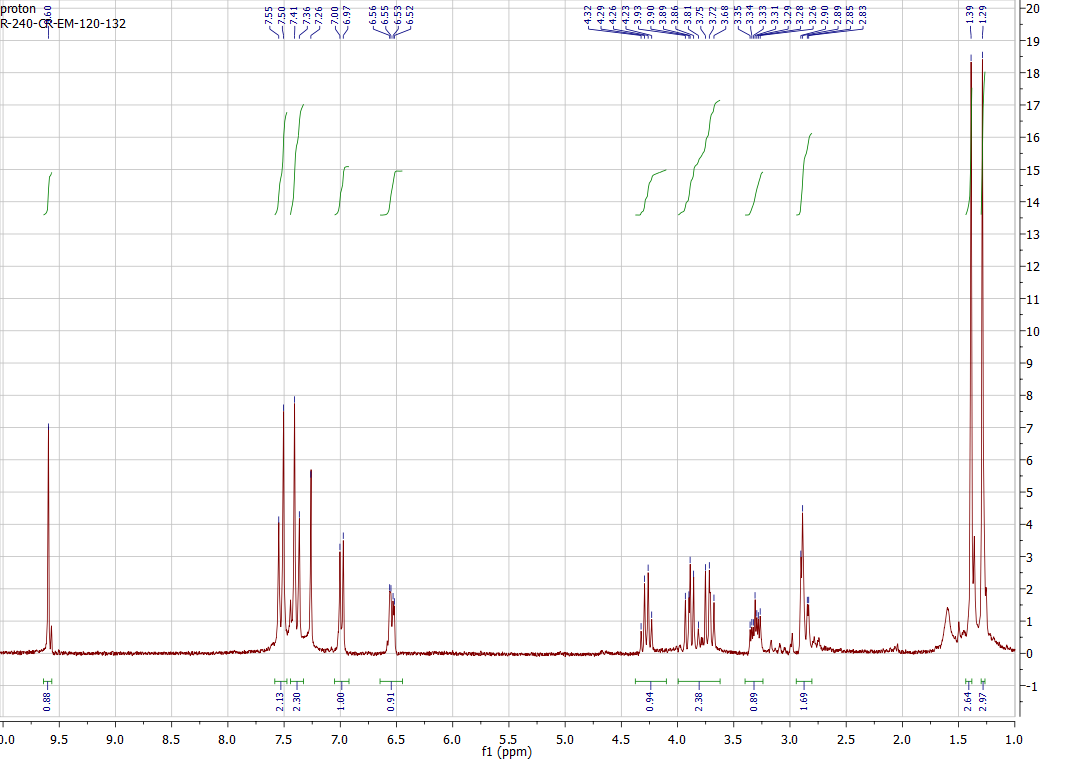


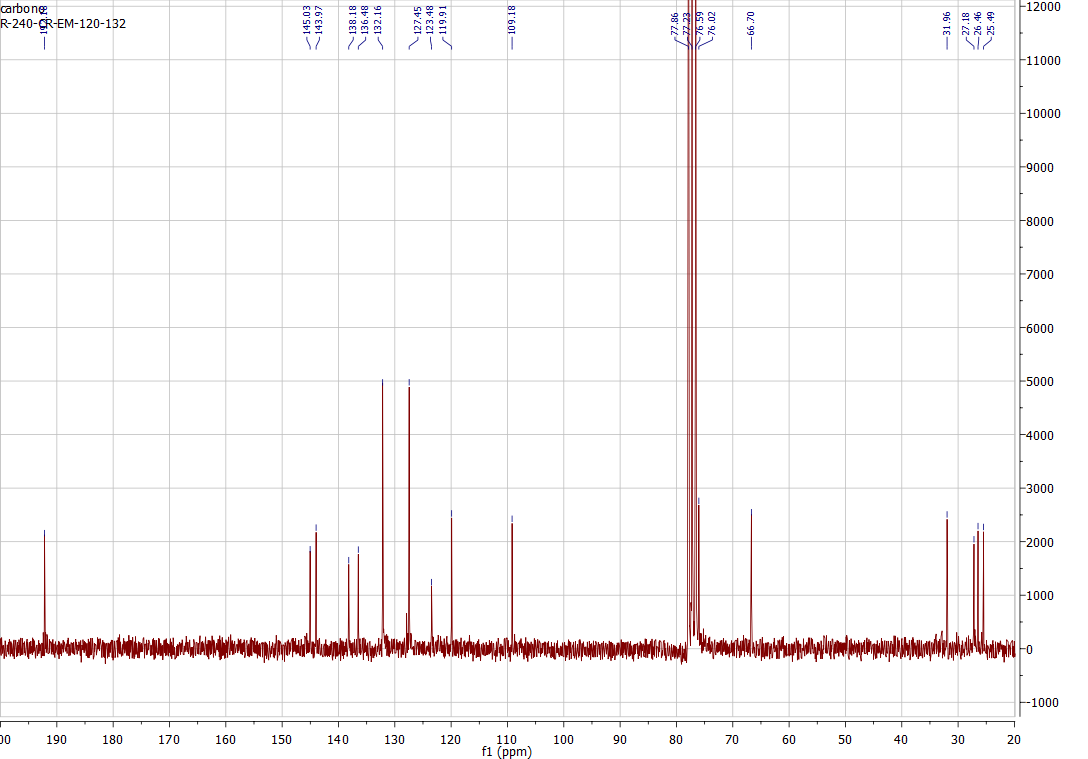


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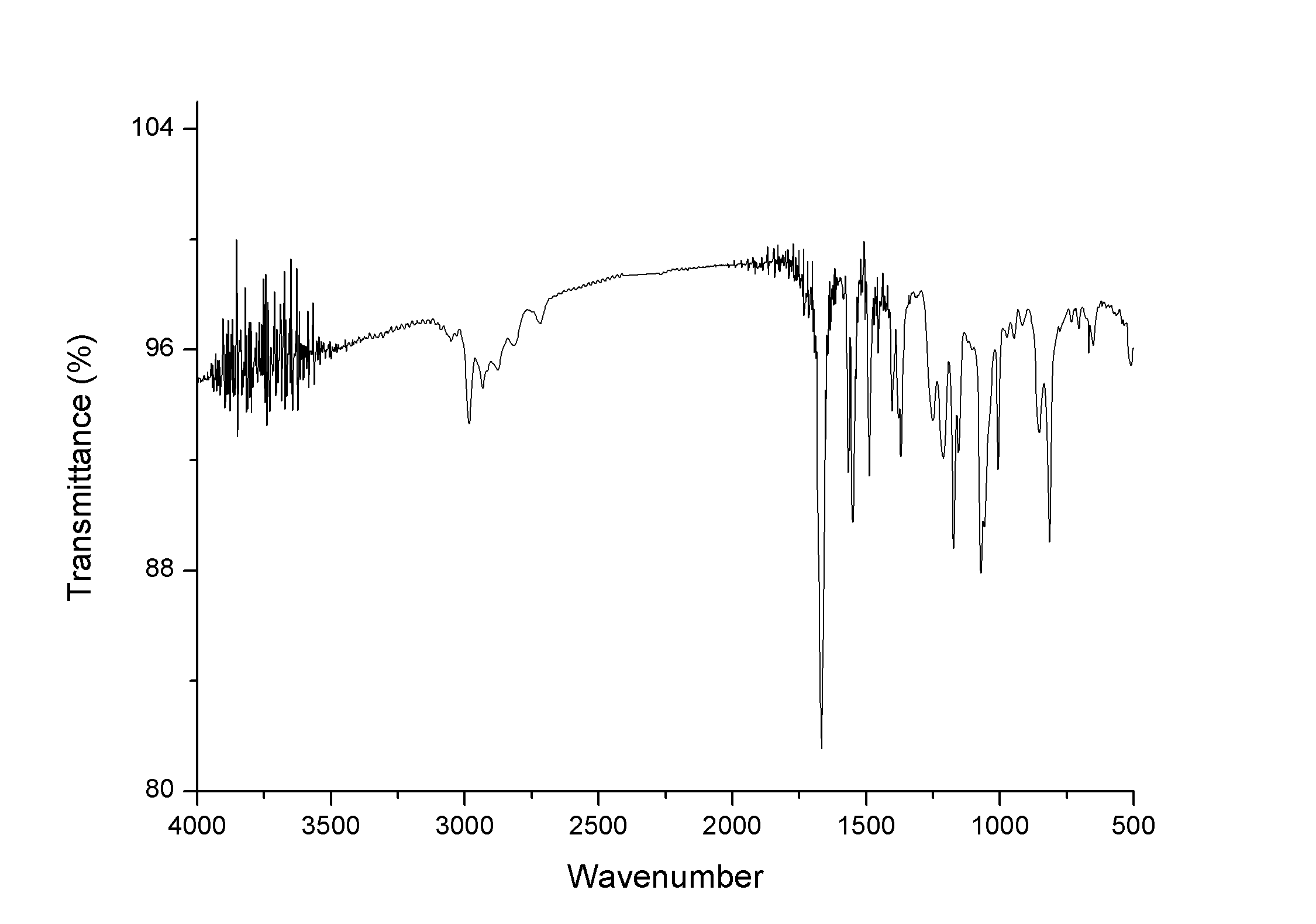
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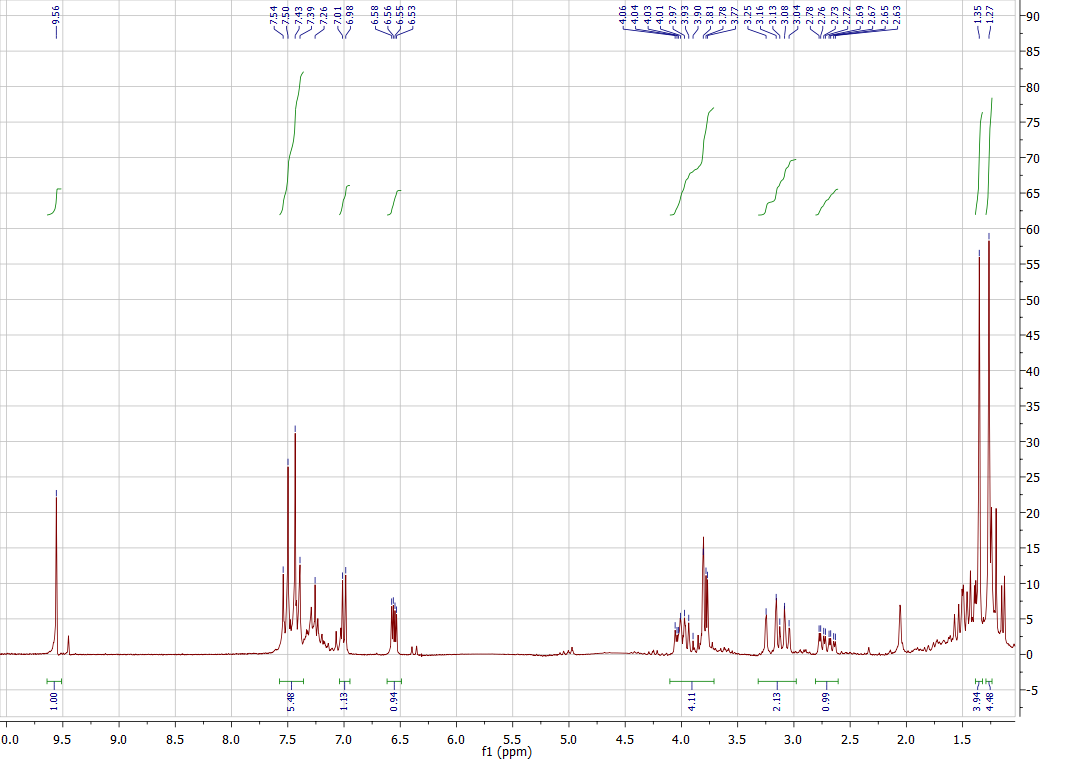


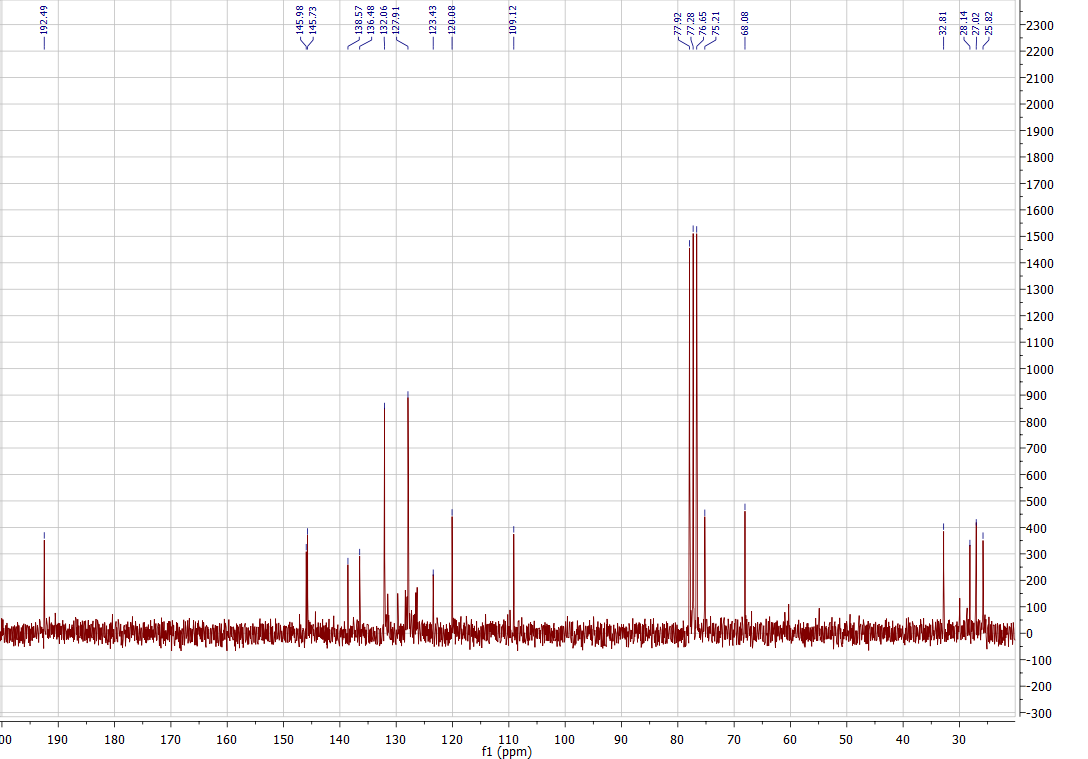


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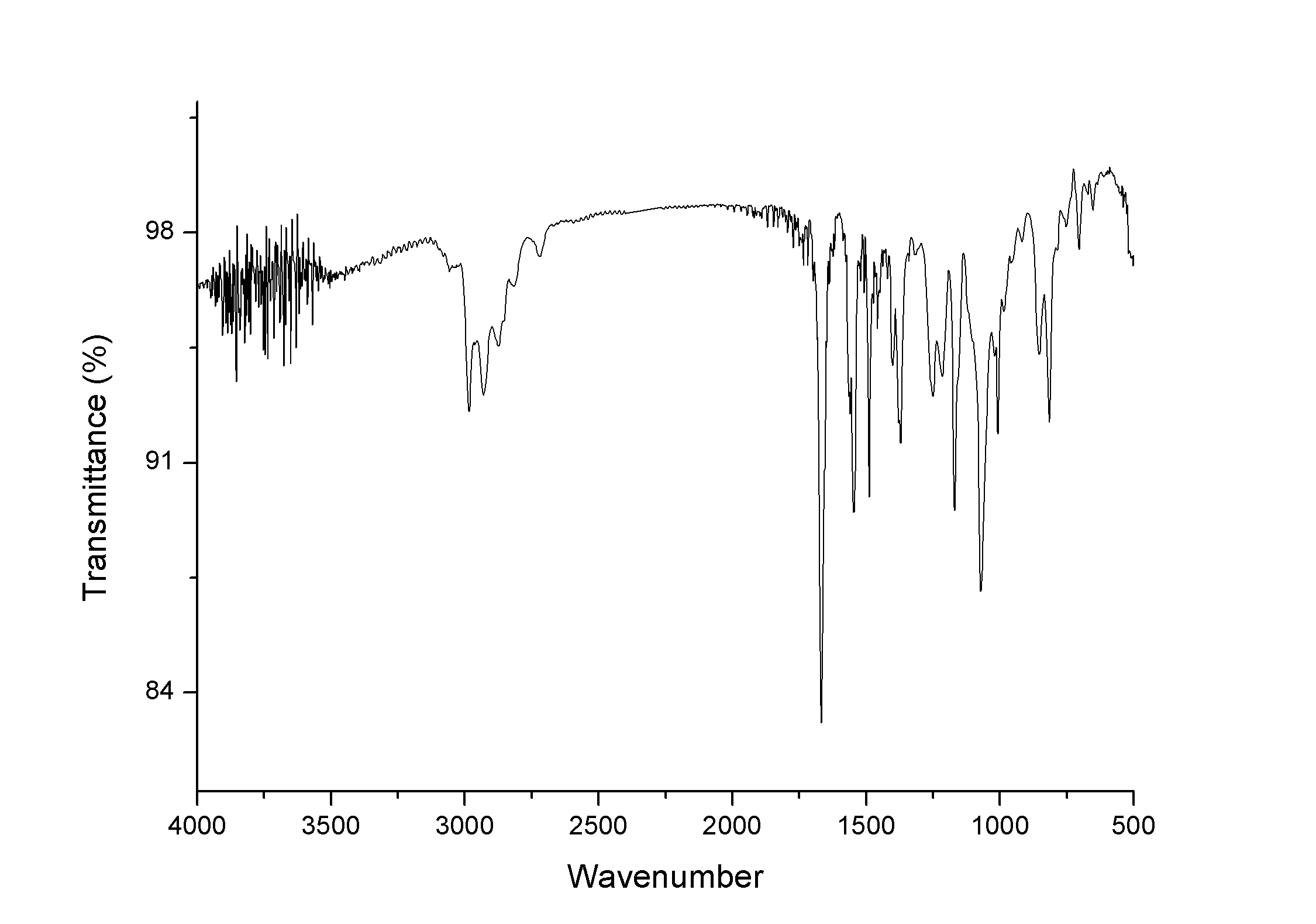
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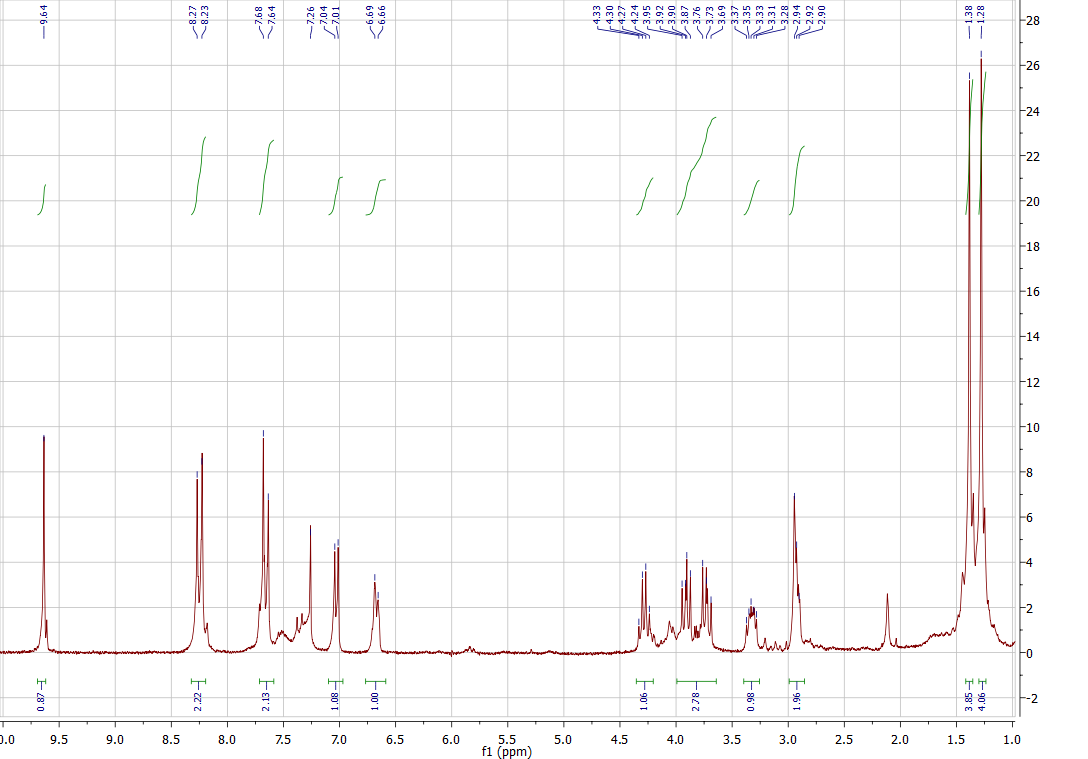
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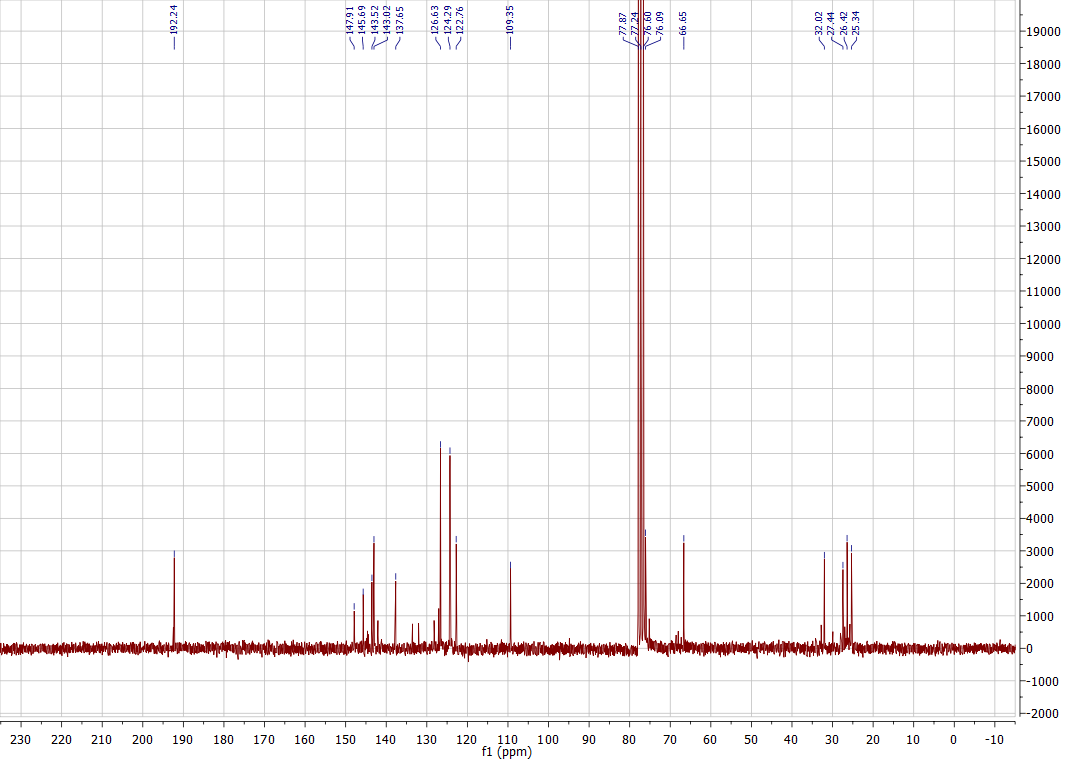
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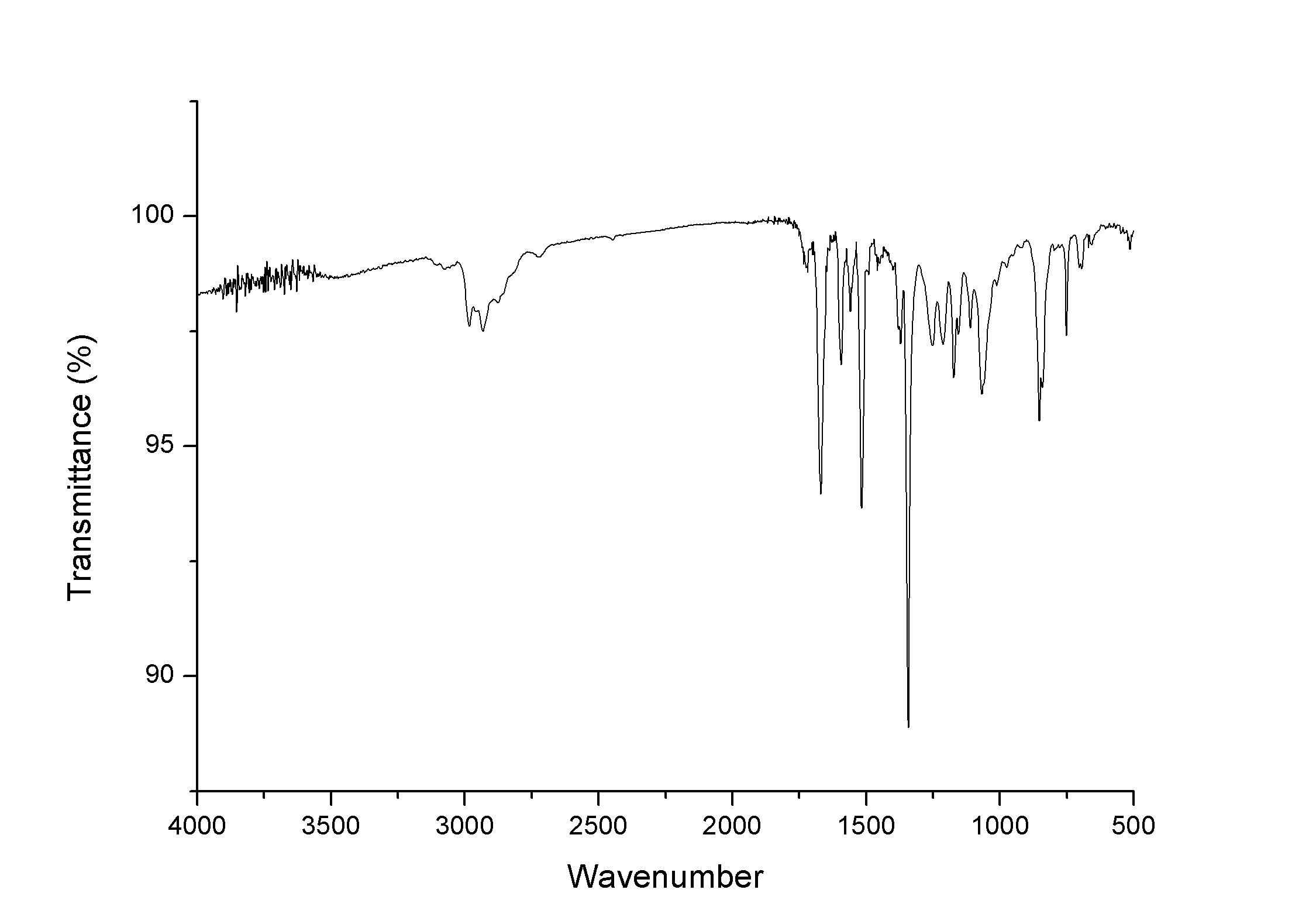
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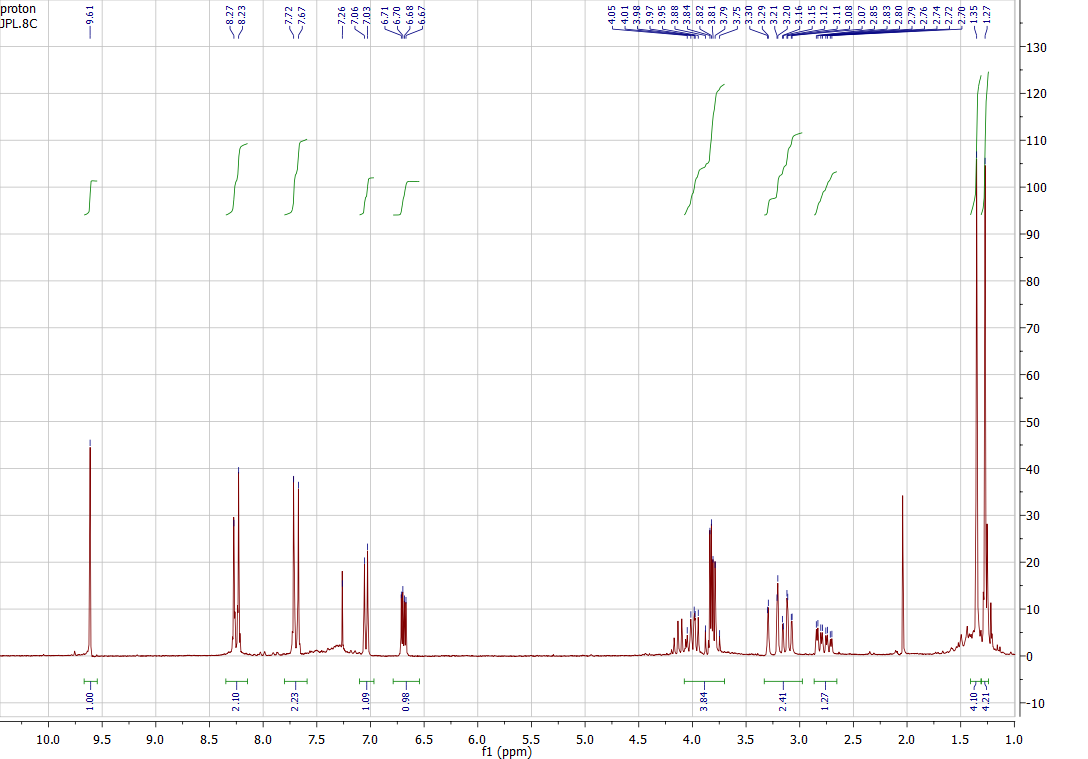


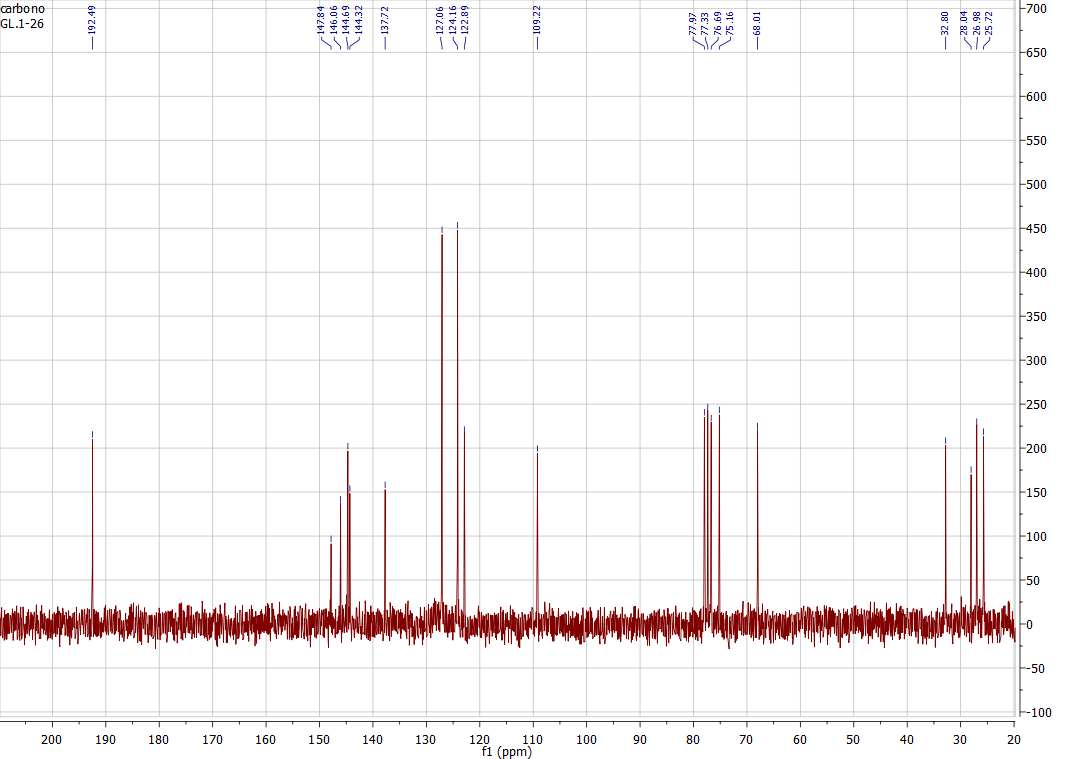


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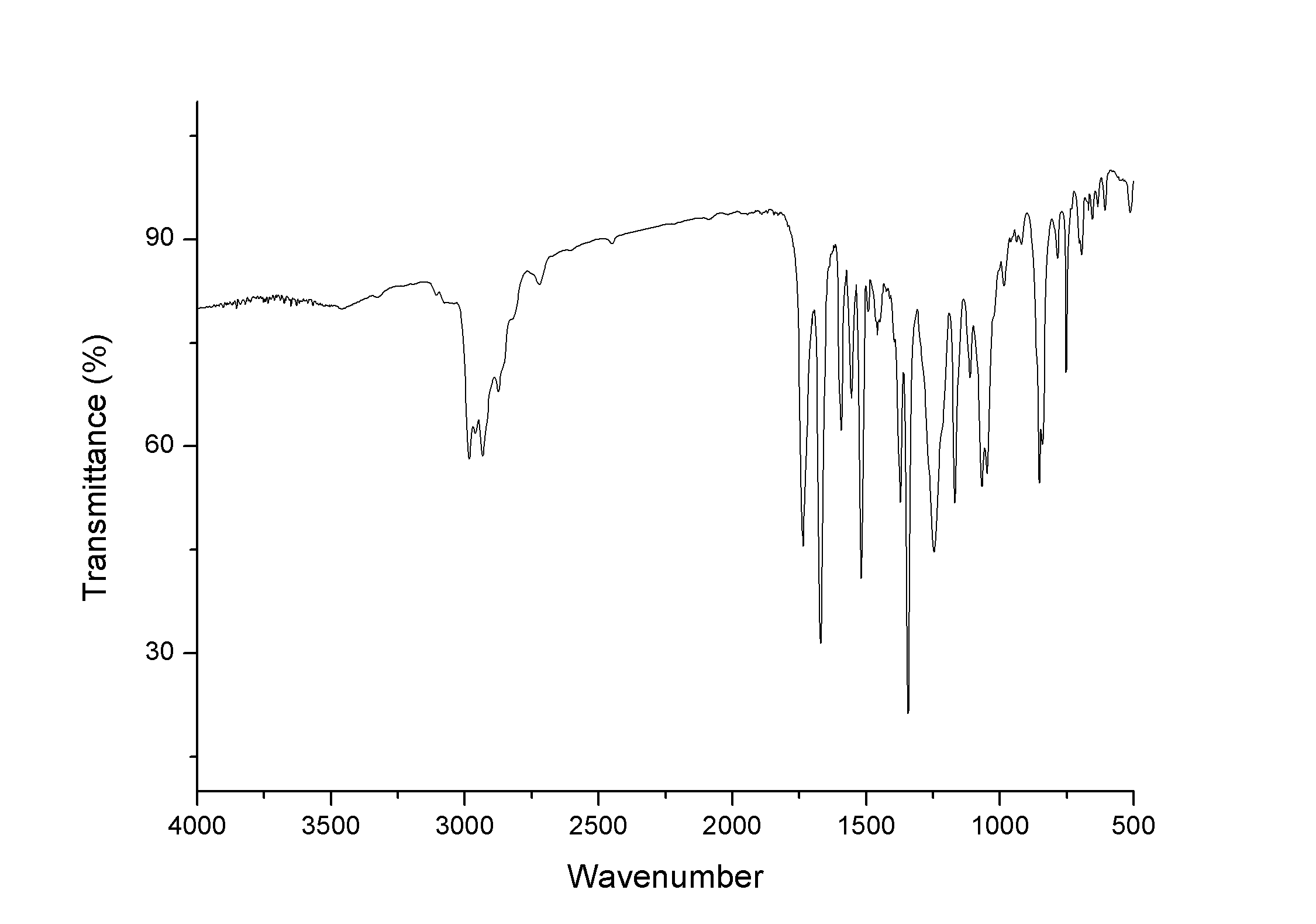
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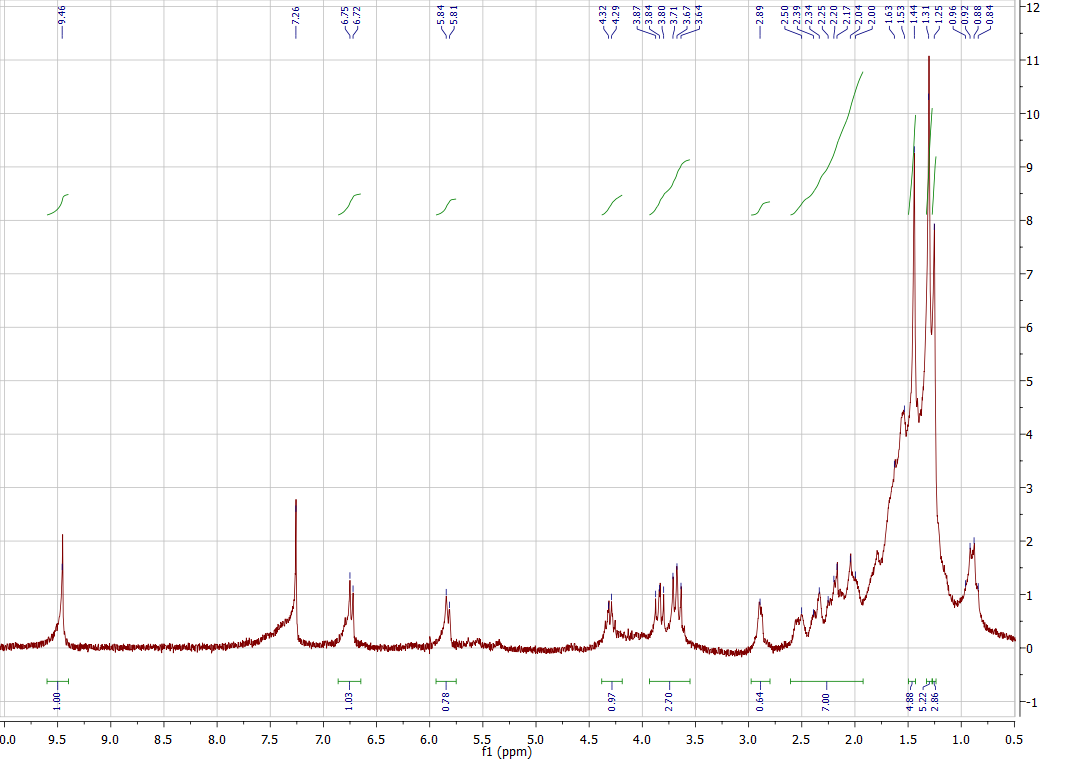


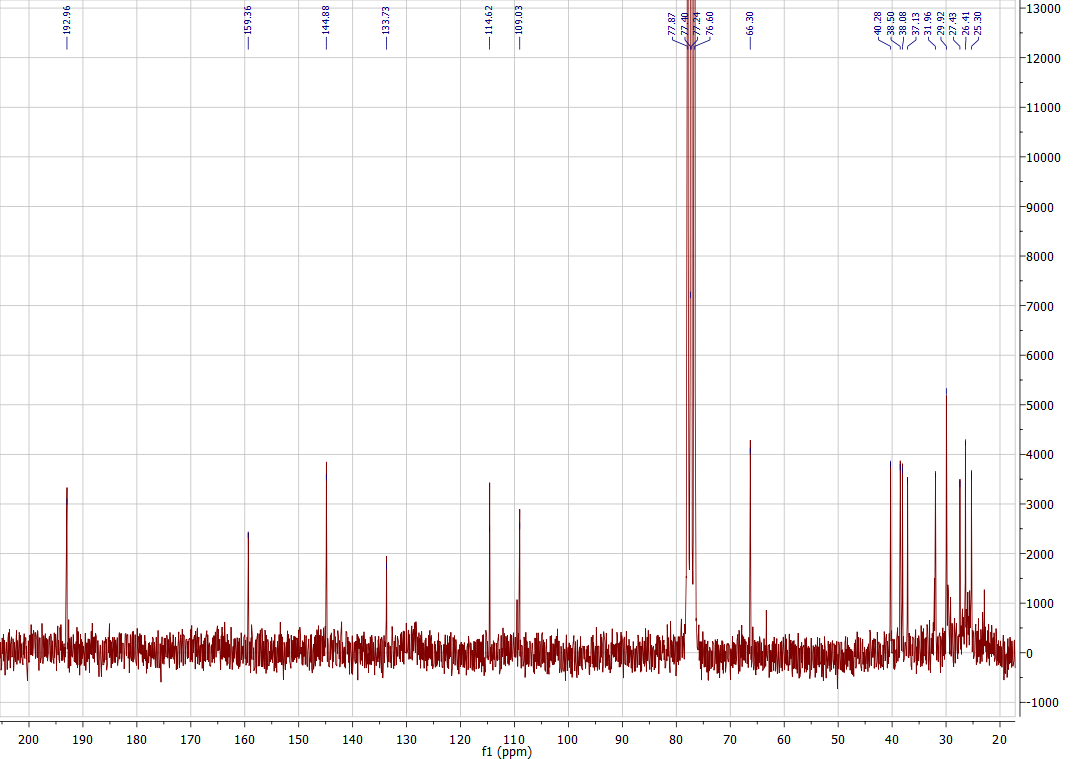


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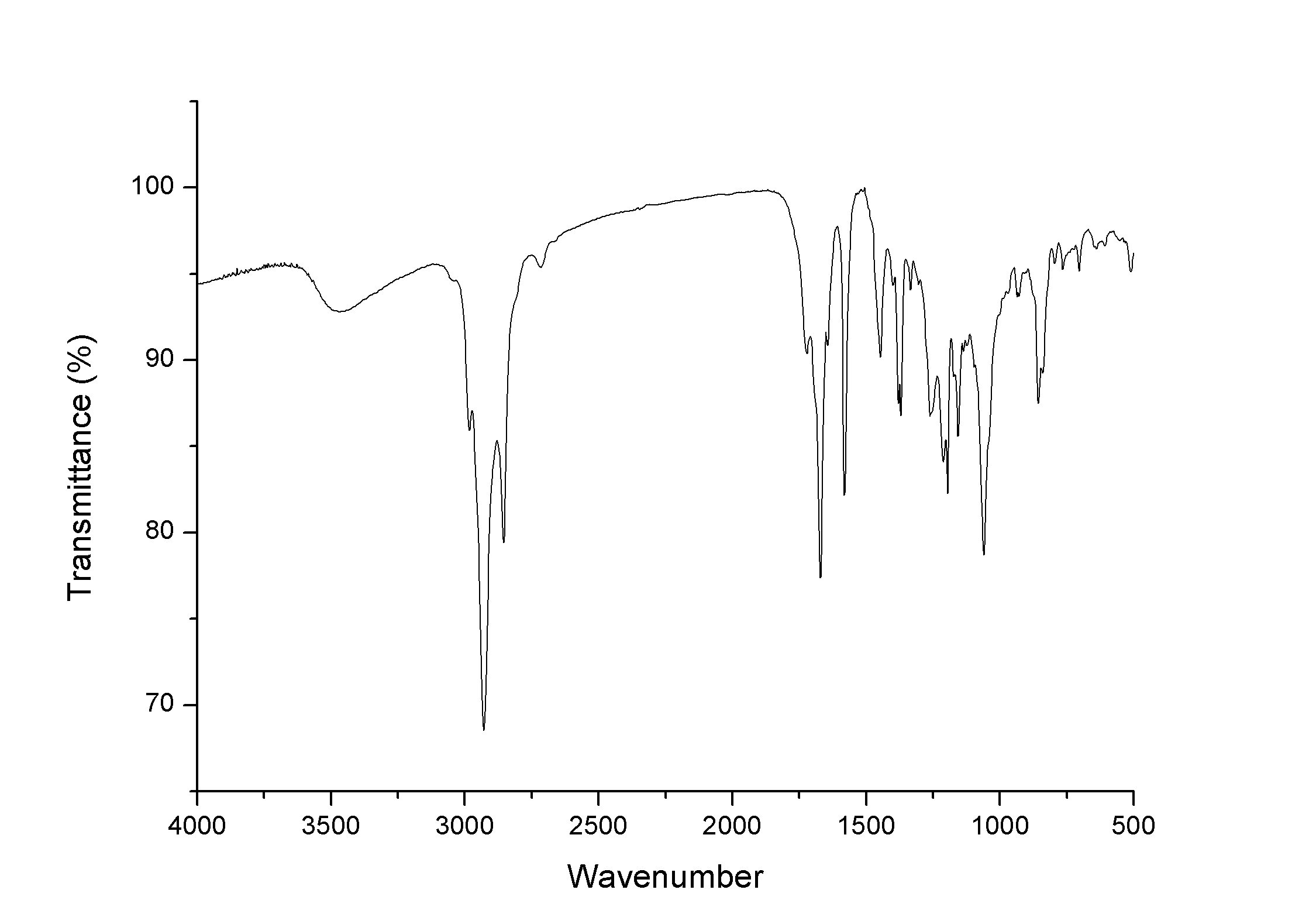
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1H NMR and 13C NMR of **26**





IR of **26**

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