

Supplementary Material

An improved protocol for the preparation of 5,11-dialkyl-6,12-di(hetero)aryl-5,11-dihydroindolo[3,2-*b*]carbazoles and synthesis of their new 2,8-dicyano- / 2,8-bis(benzo[*d*]thiazol-2-yl)-substituted derivatives

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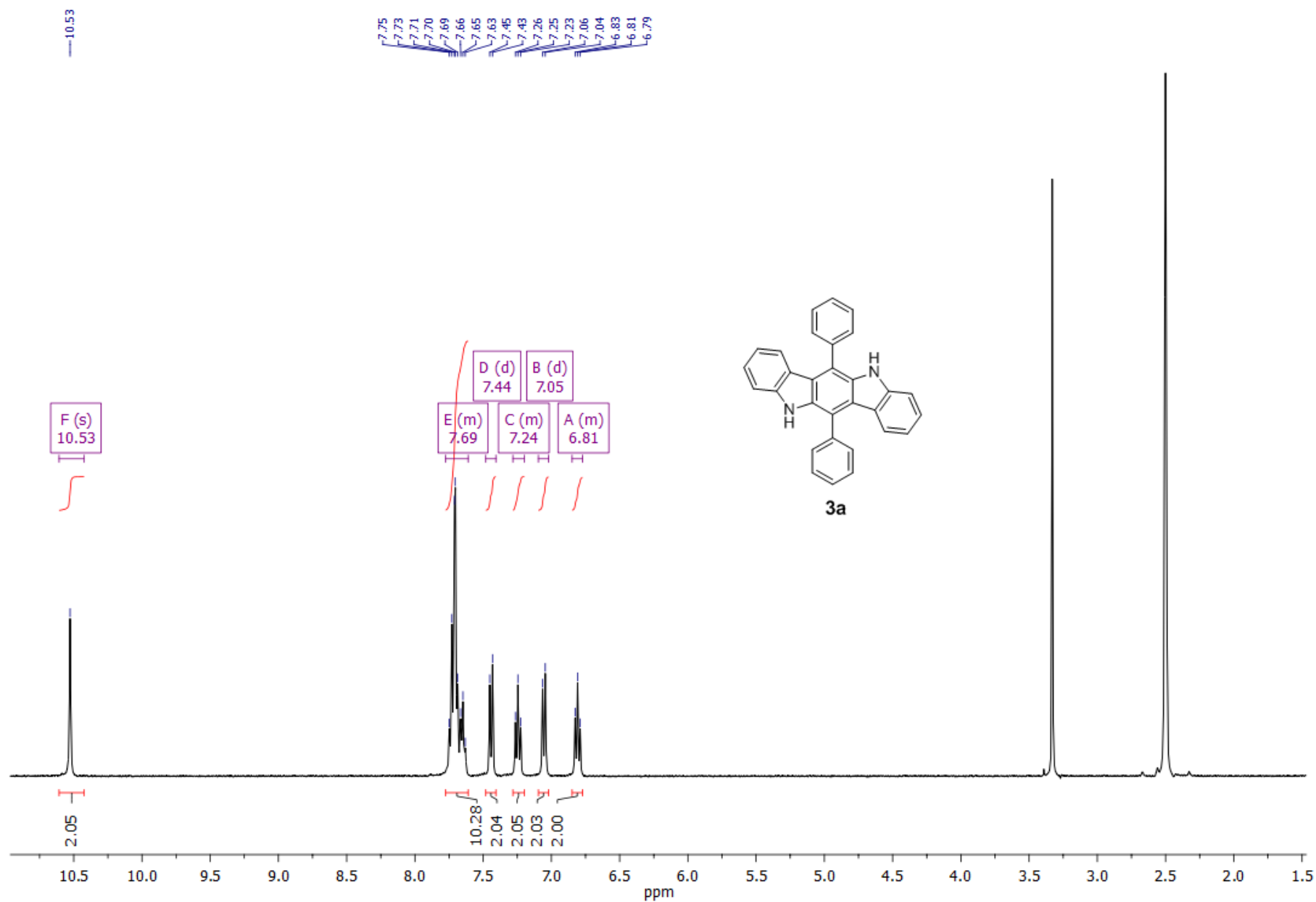
^a Postovsky Institute of Organic Synthesis, Ural Division of the Russian Academy of Sciences, Ekaterinburg, 620990, Russia

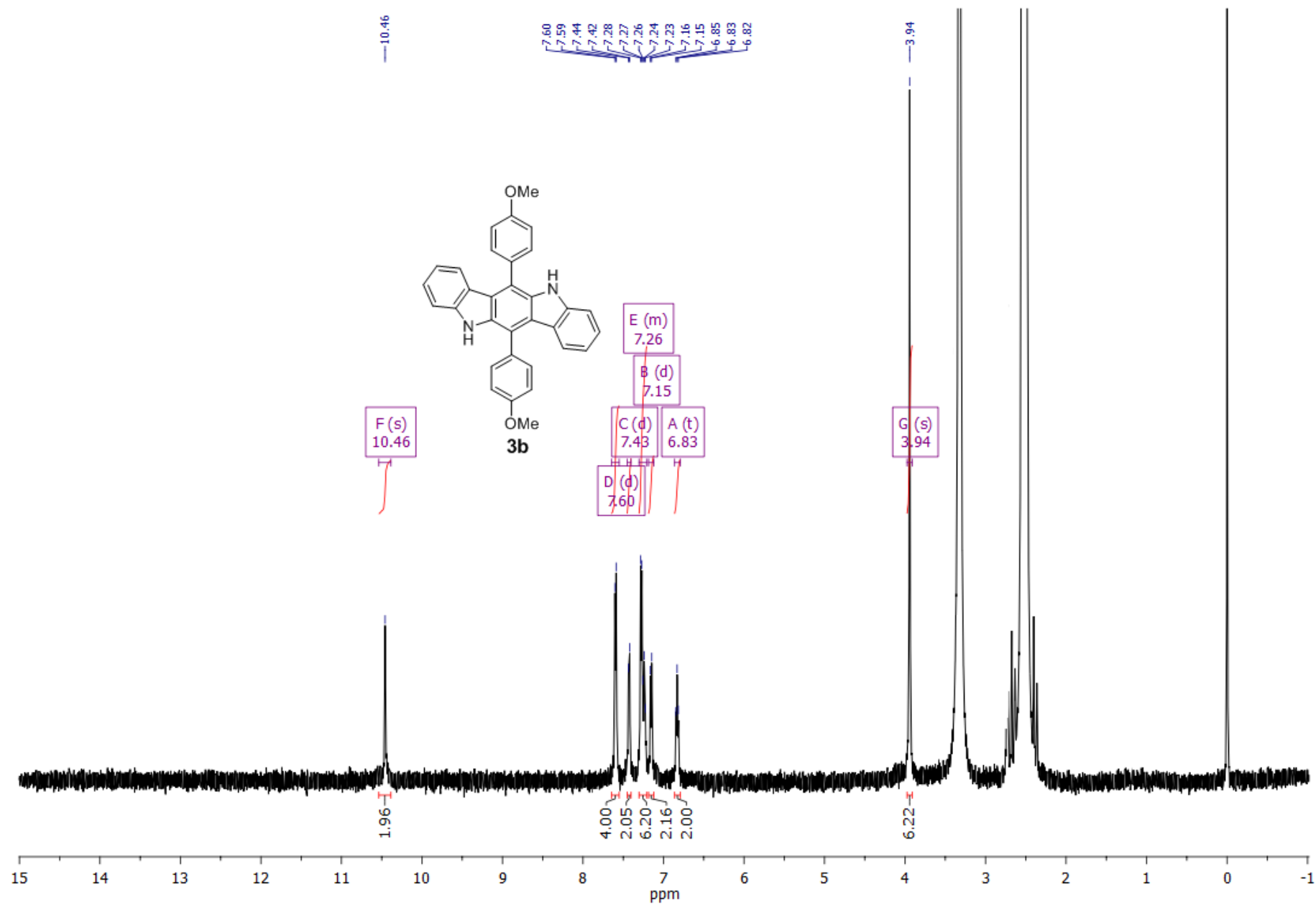
^b Ural Federal University named after the First President of Russia, B. N. Yeltsin, Ekaterinburg, 620002, Russia

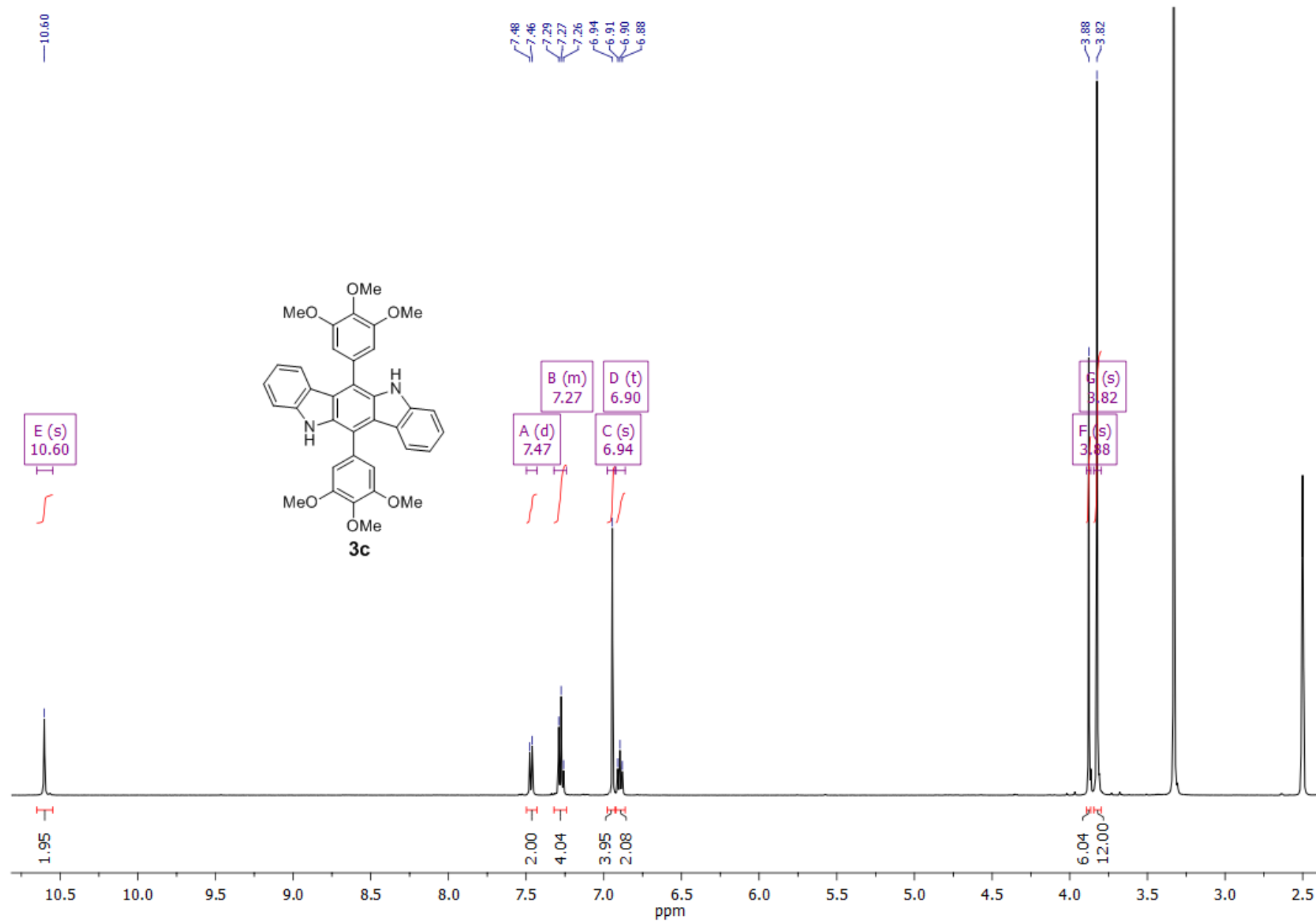
Corresponding author e-mail: irgashev@ios.uran.ru

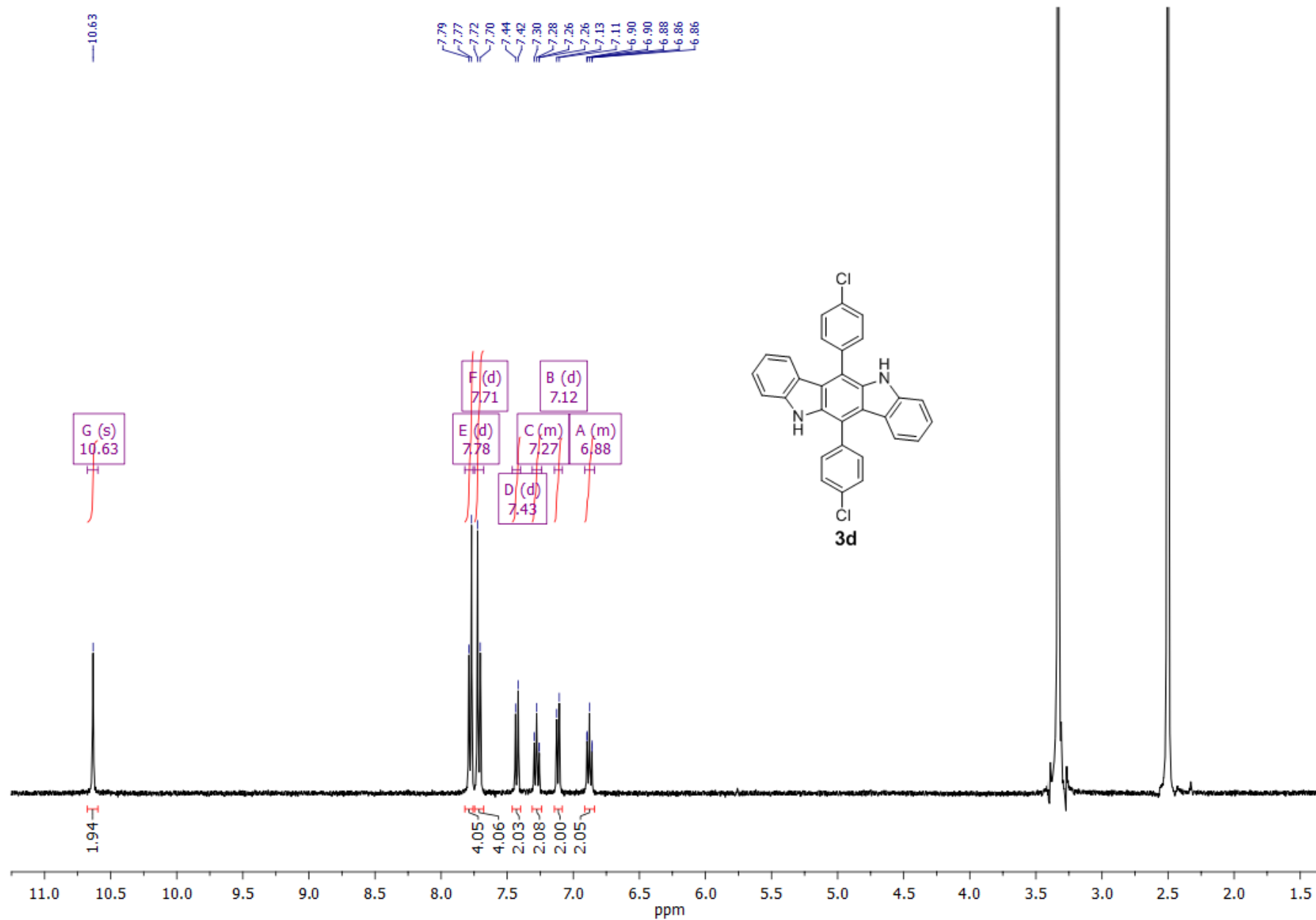
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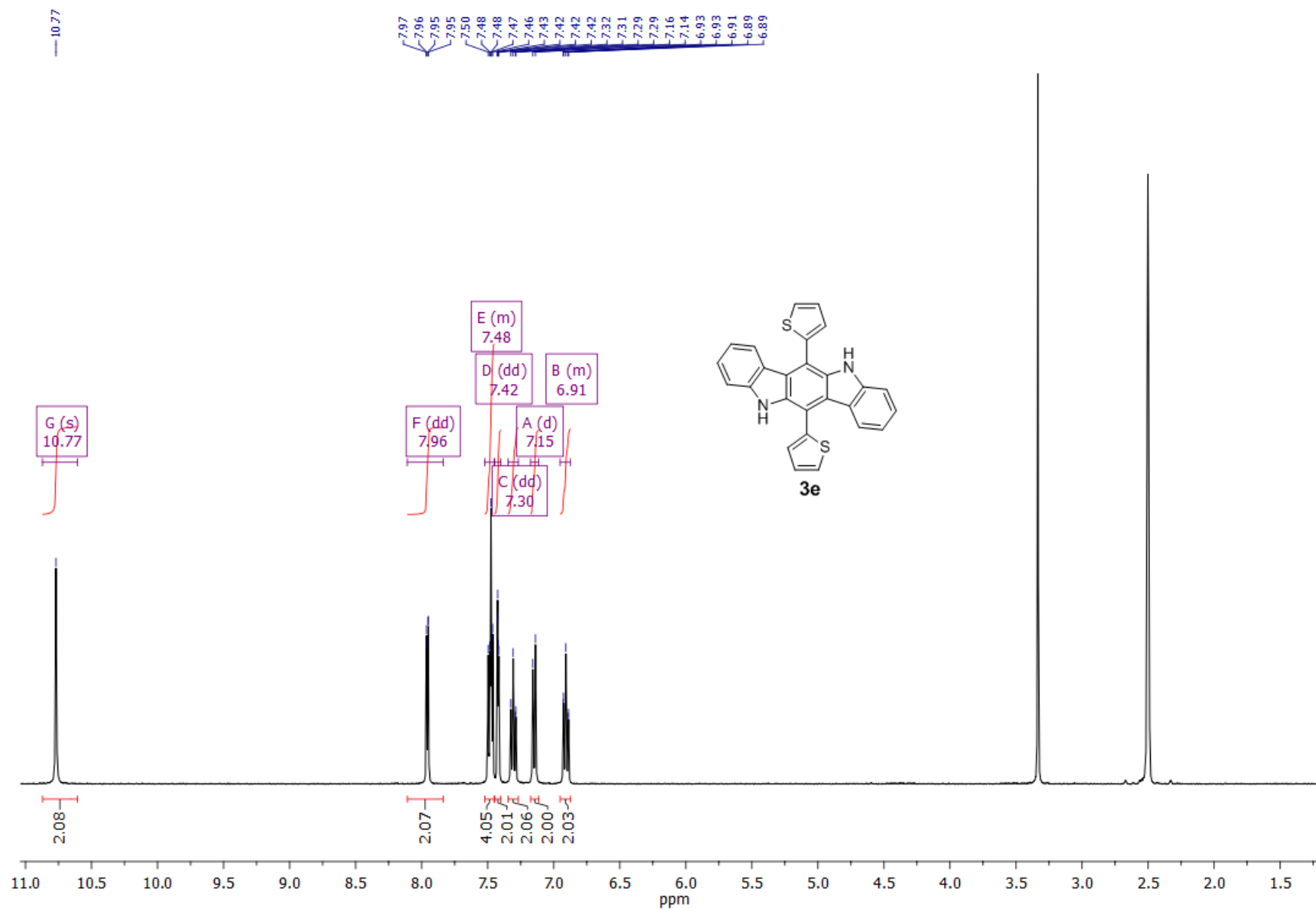
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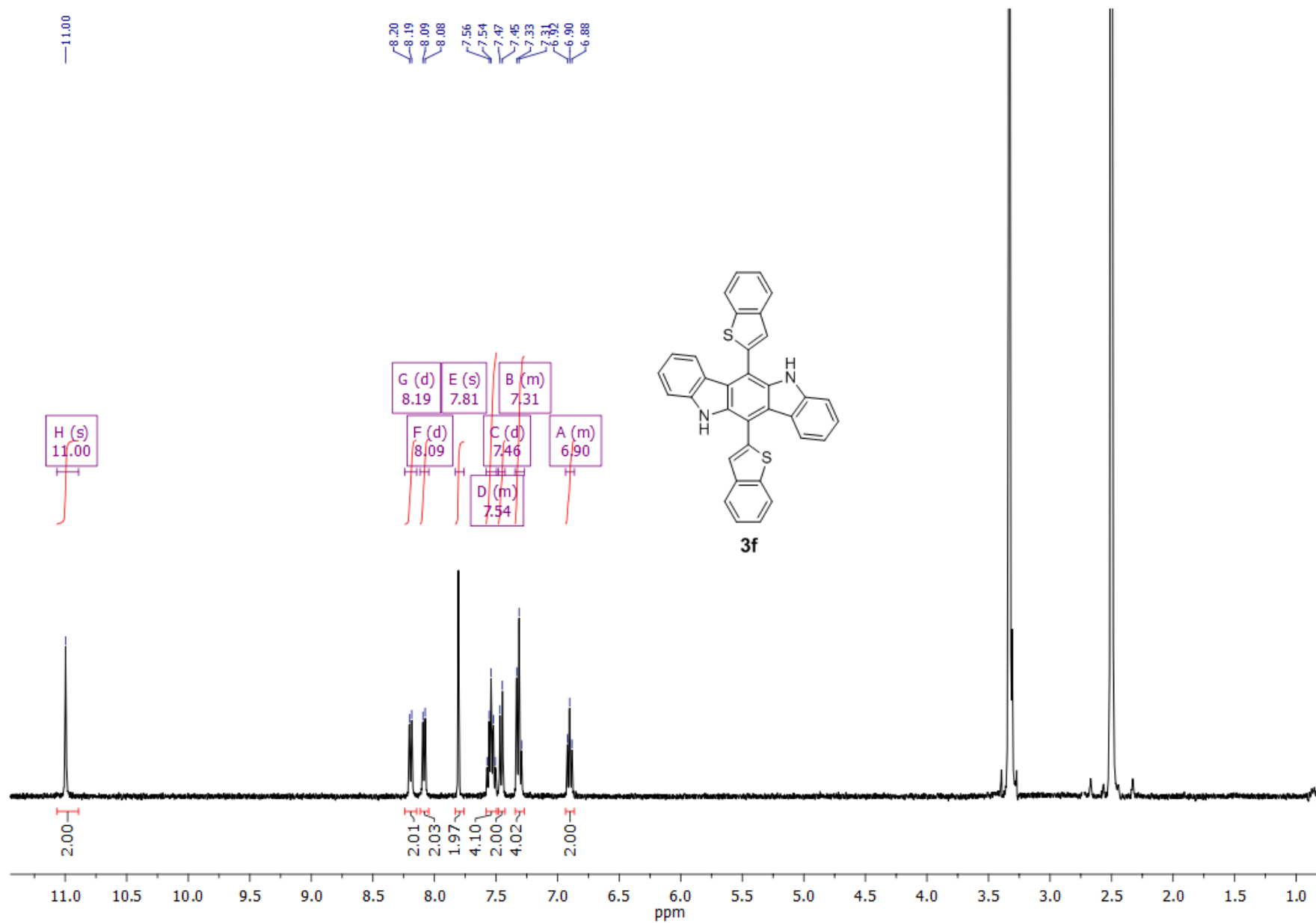
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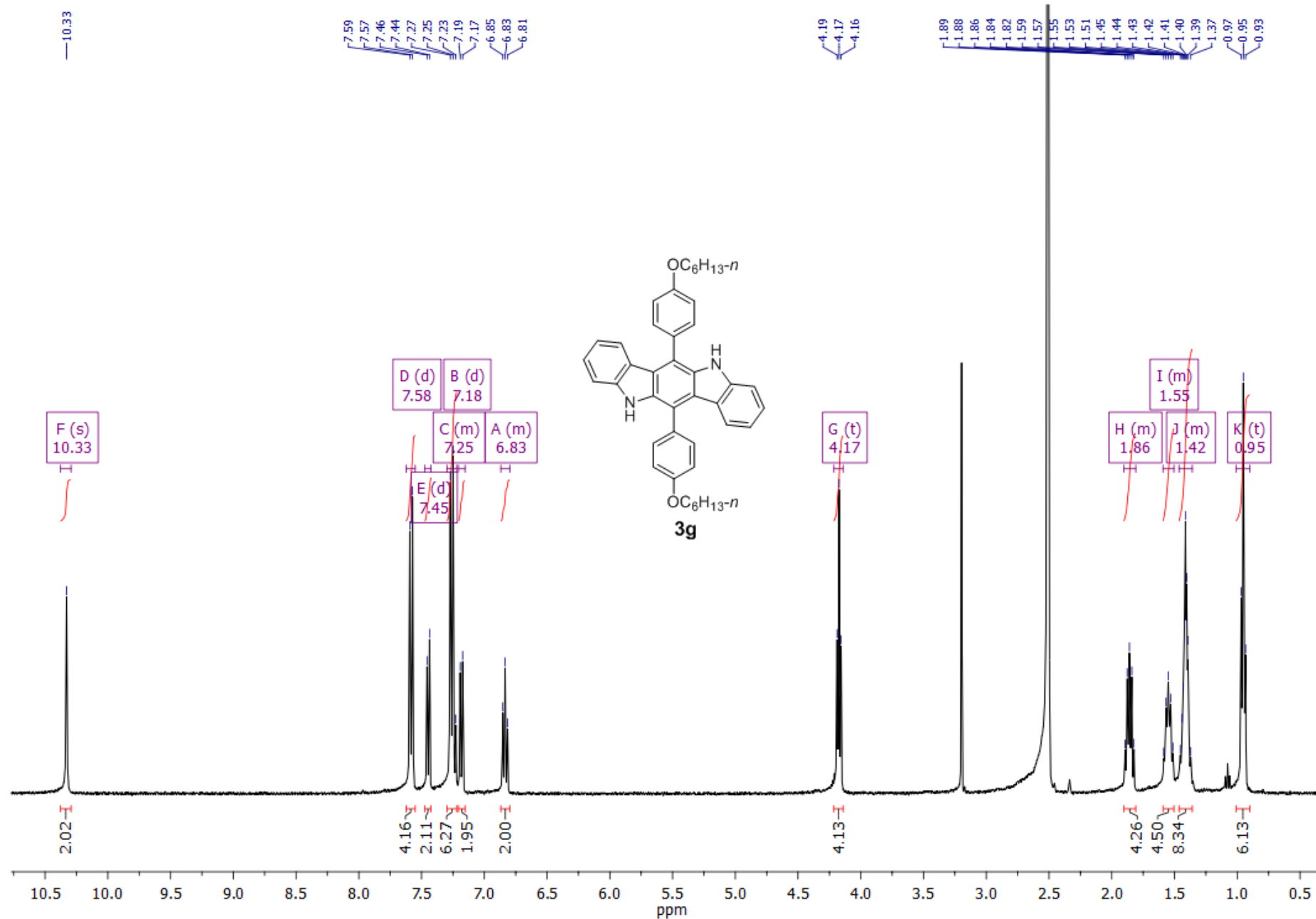
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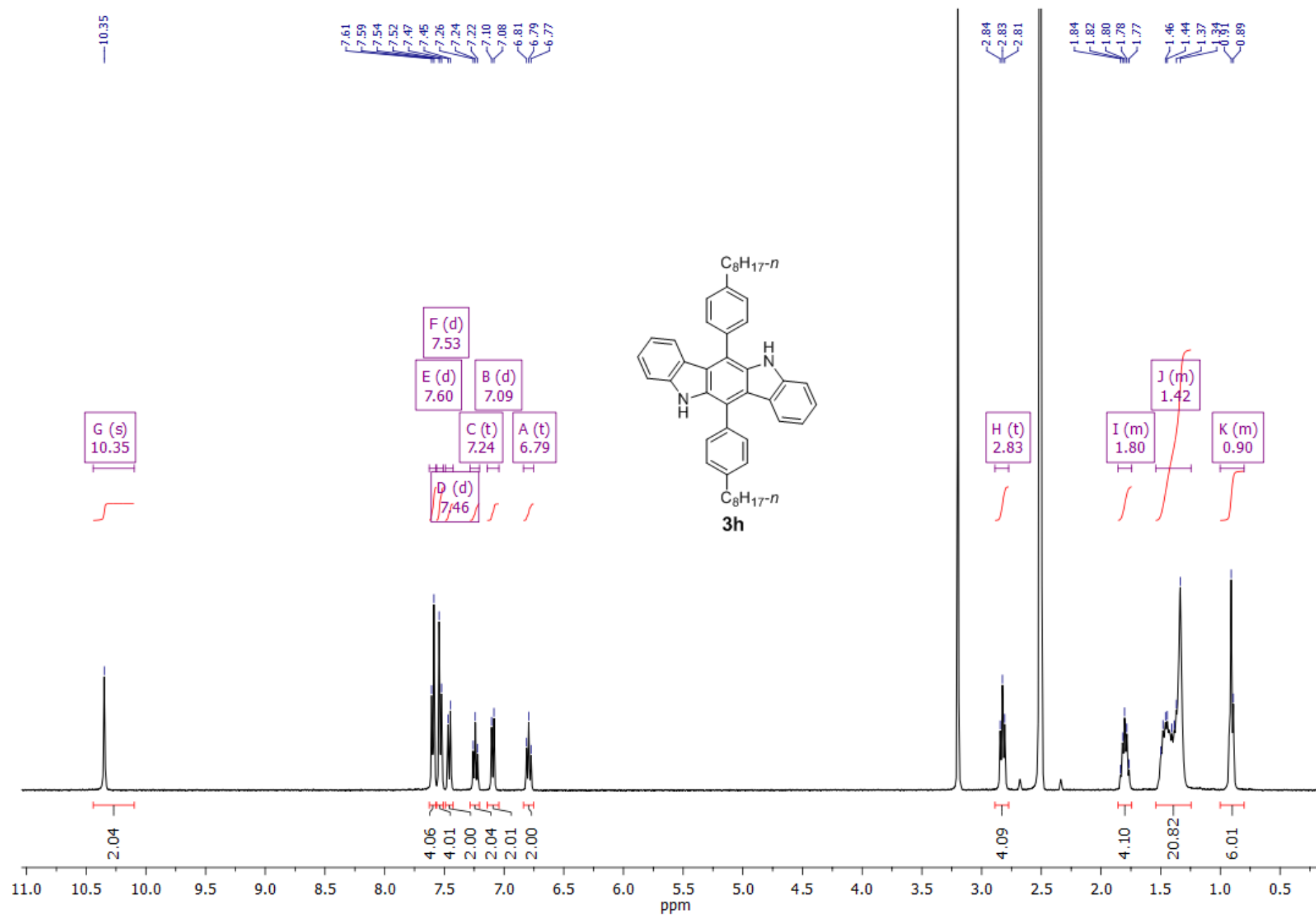
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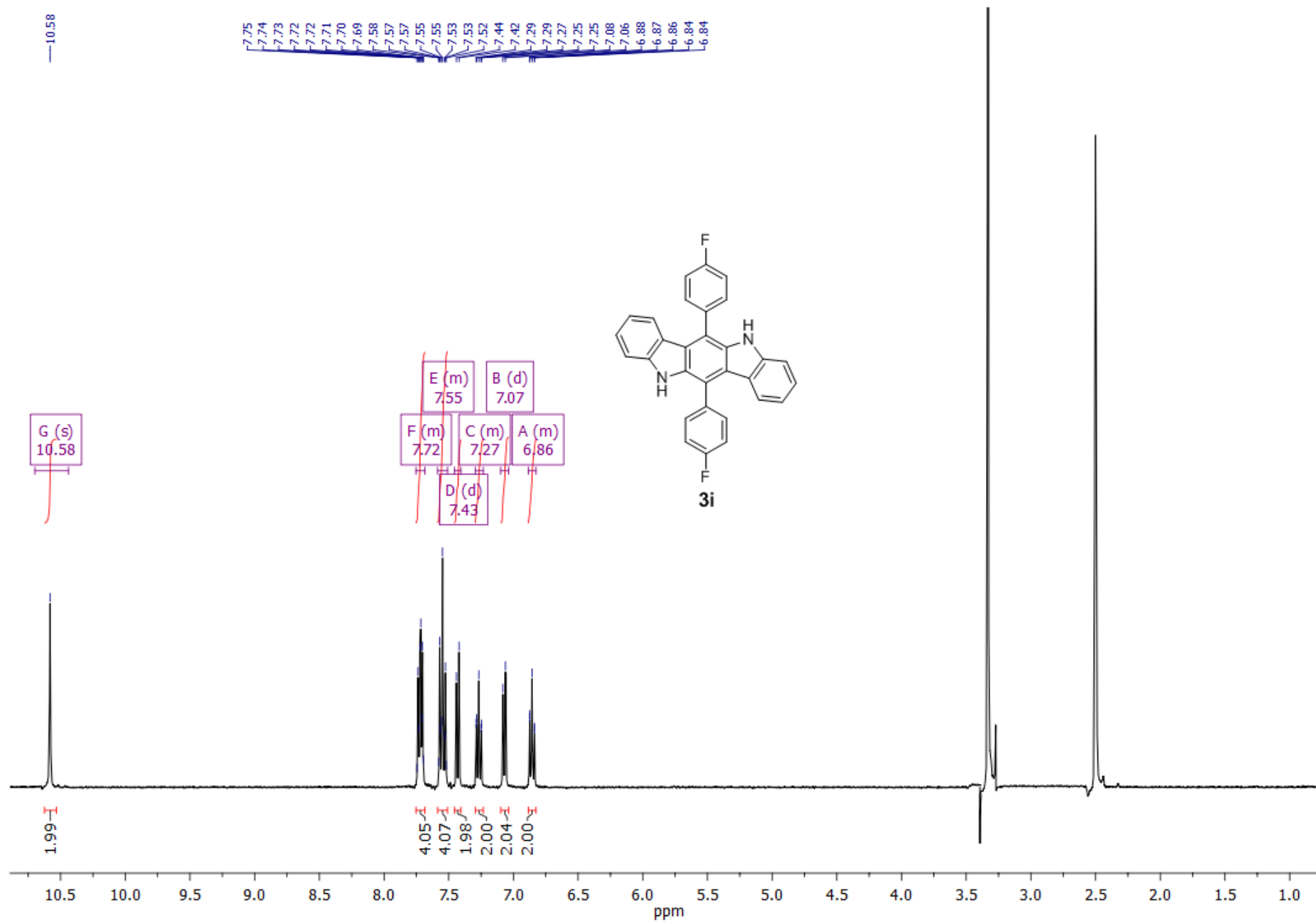
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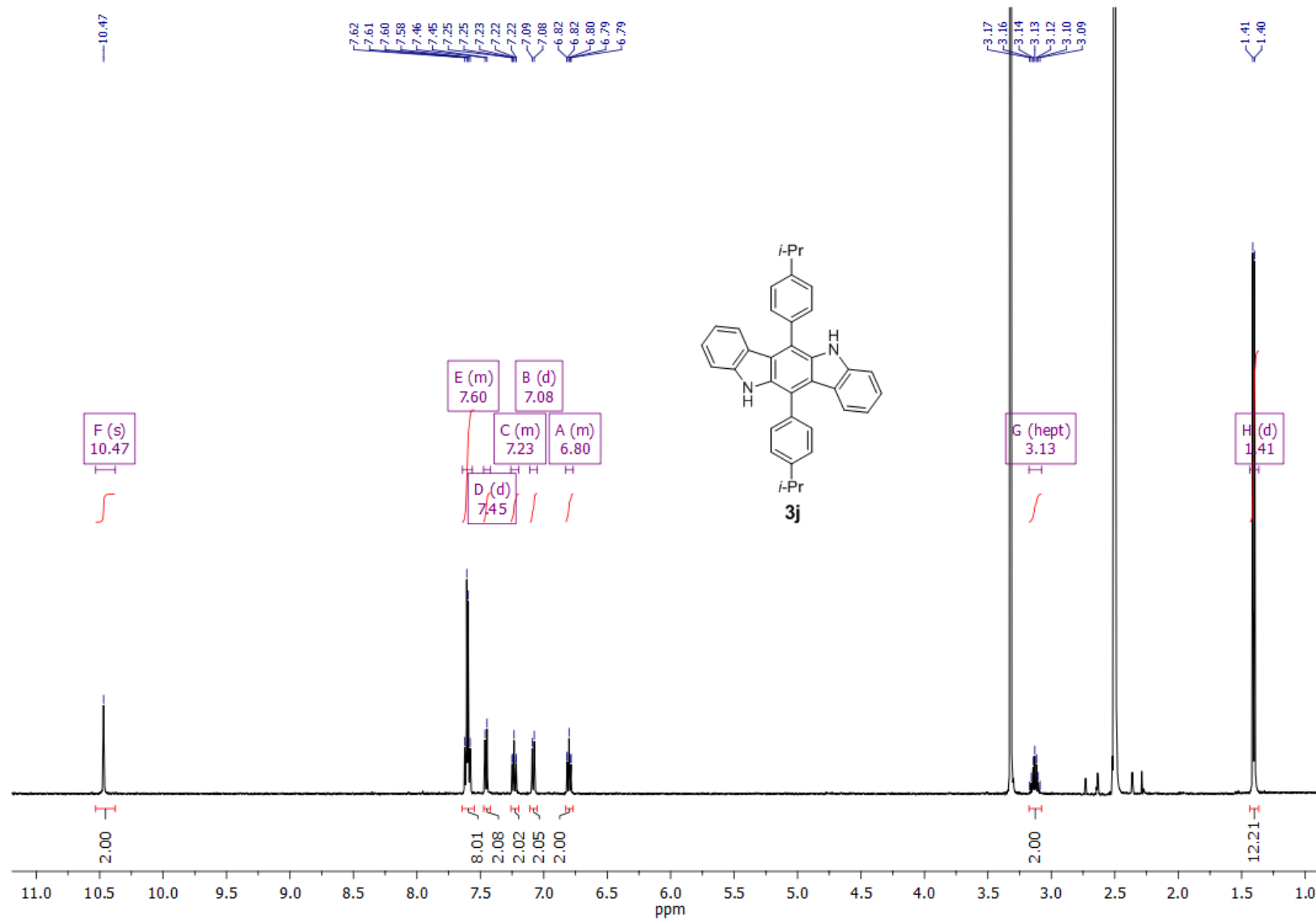
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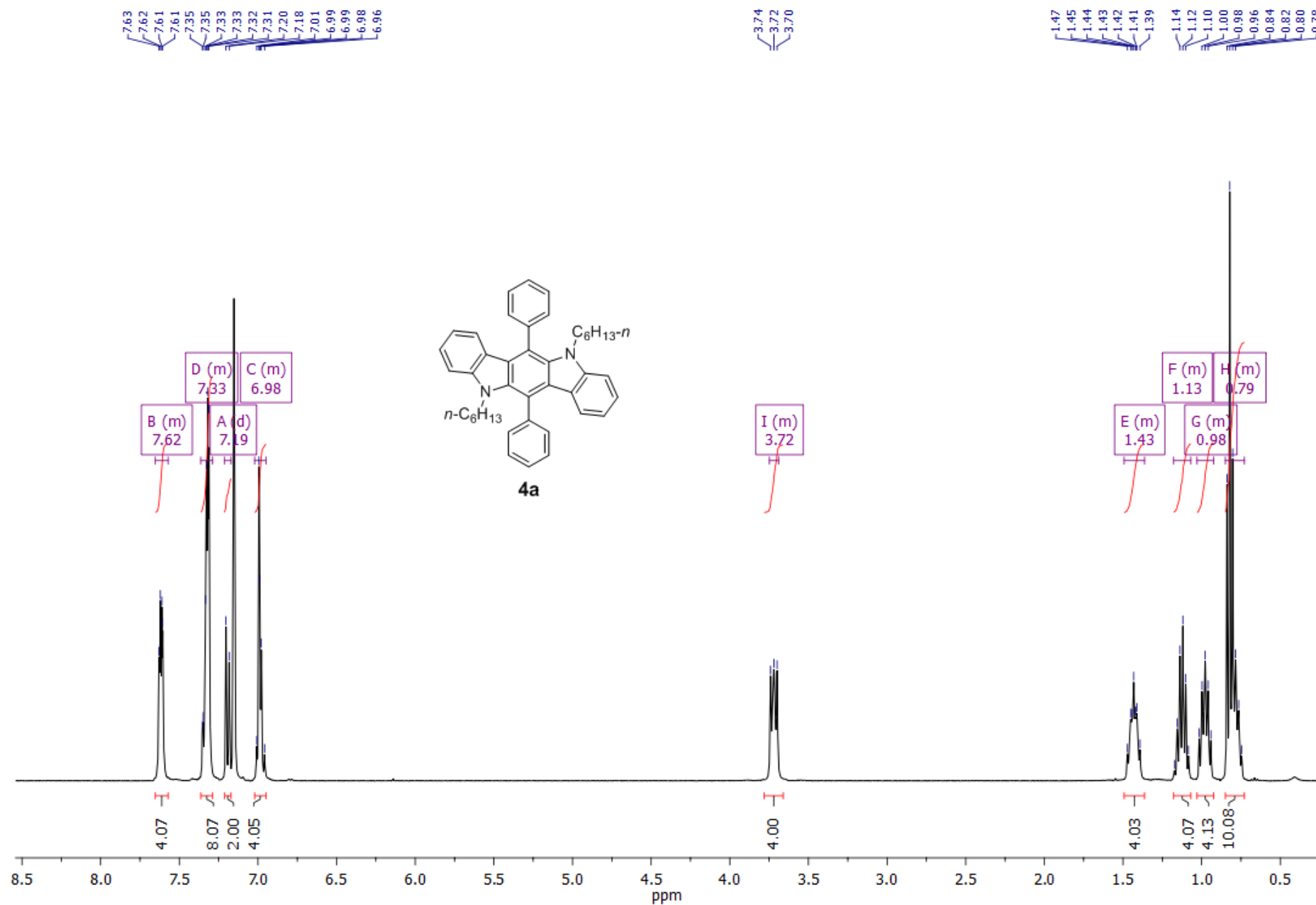
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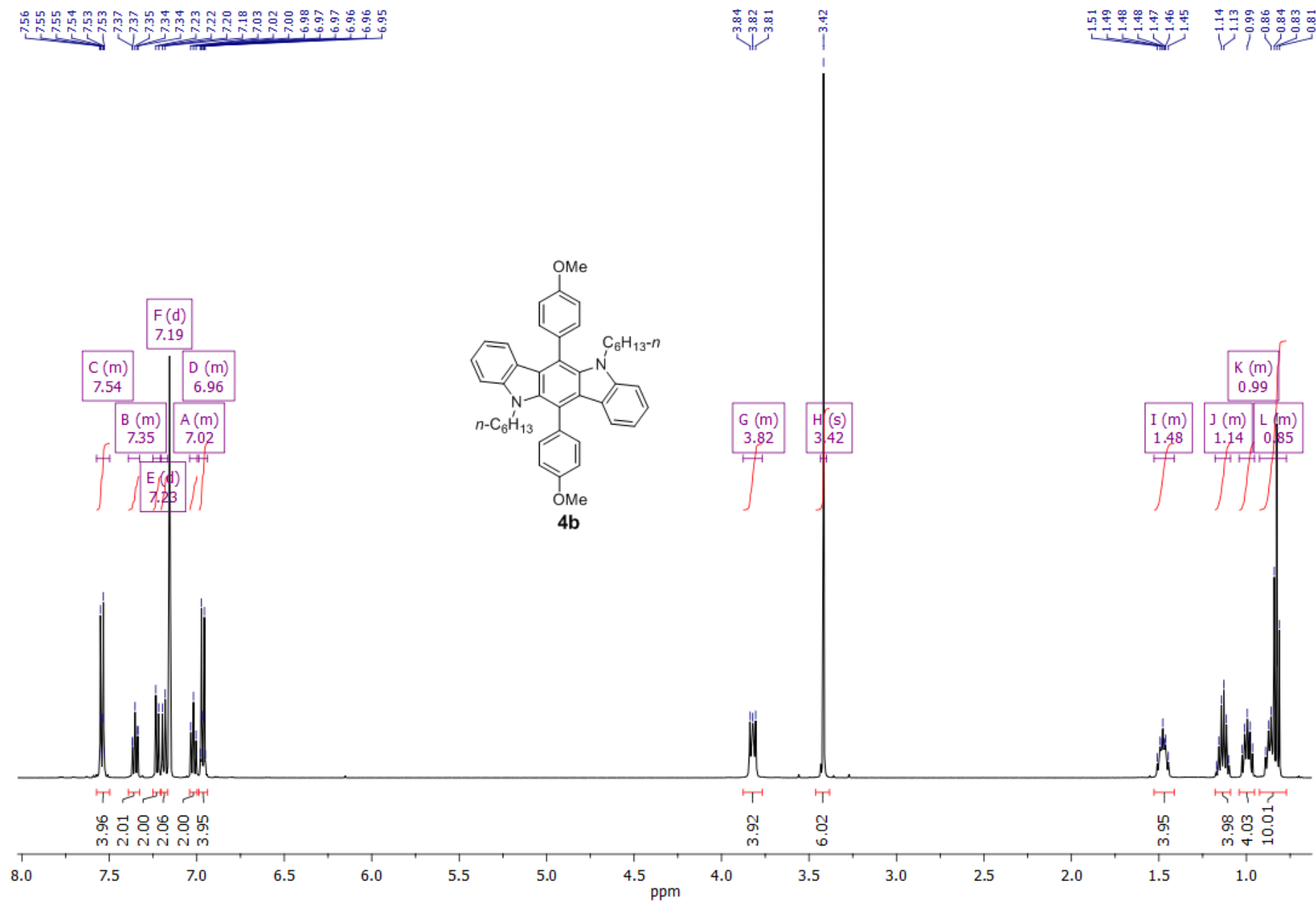
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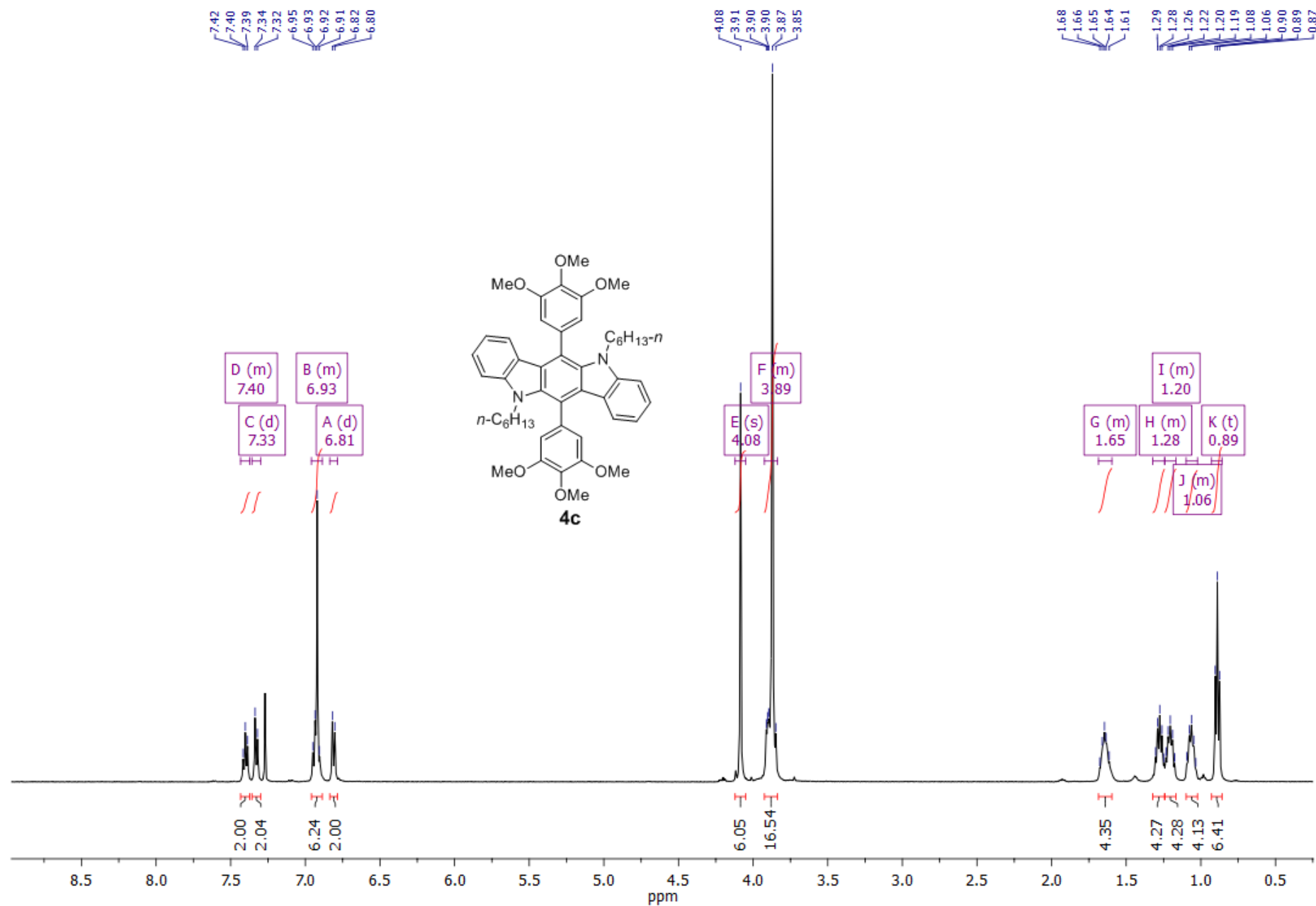
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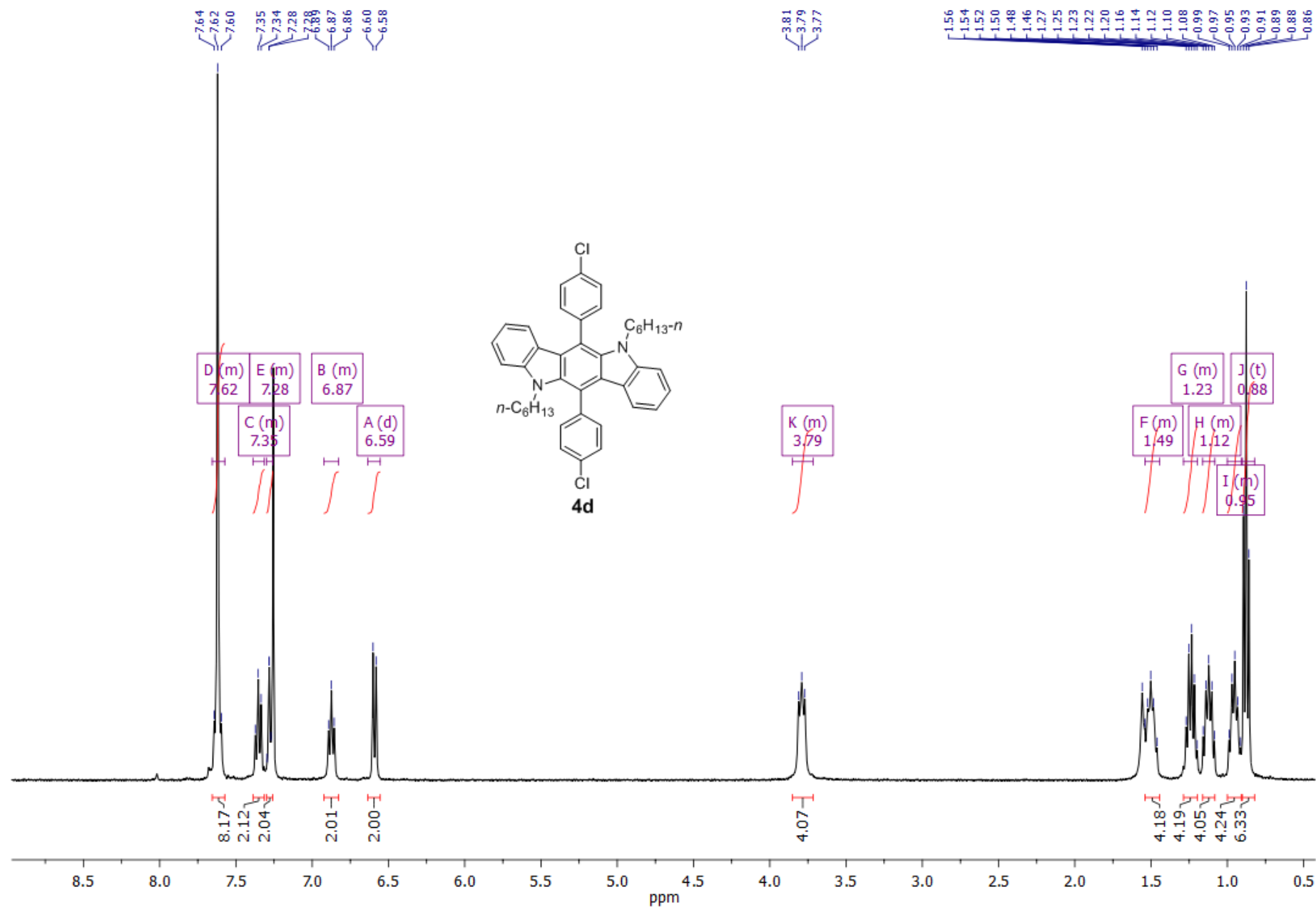
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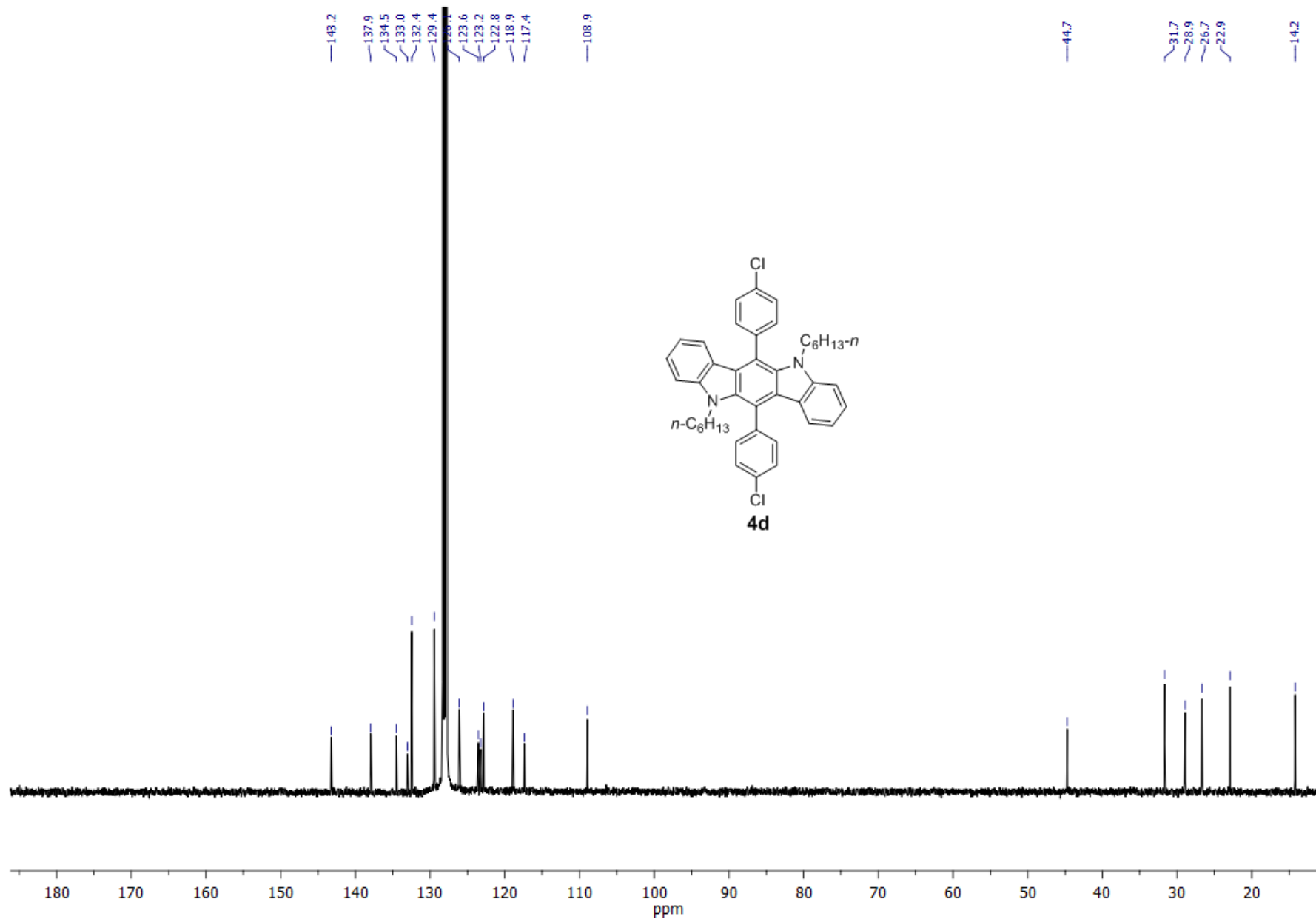
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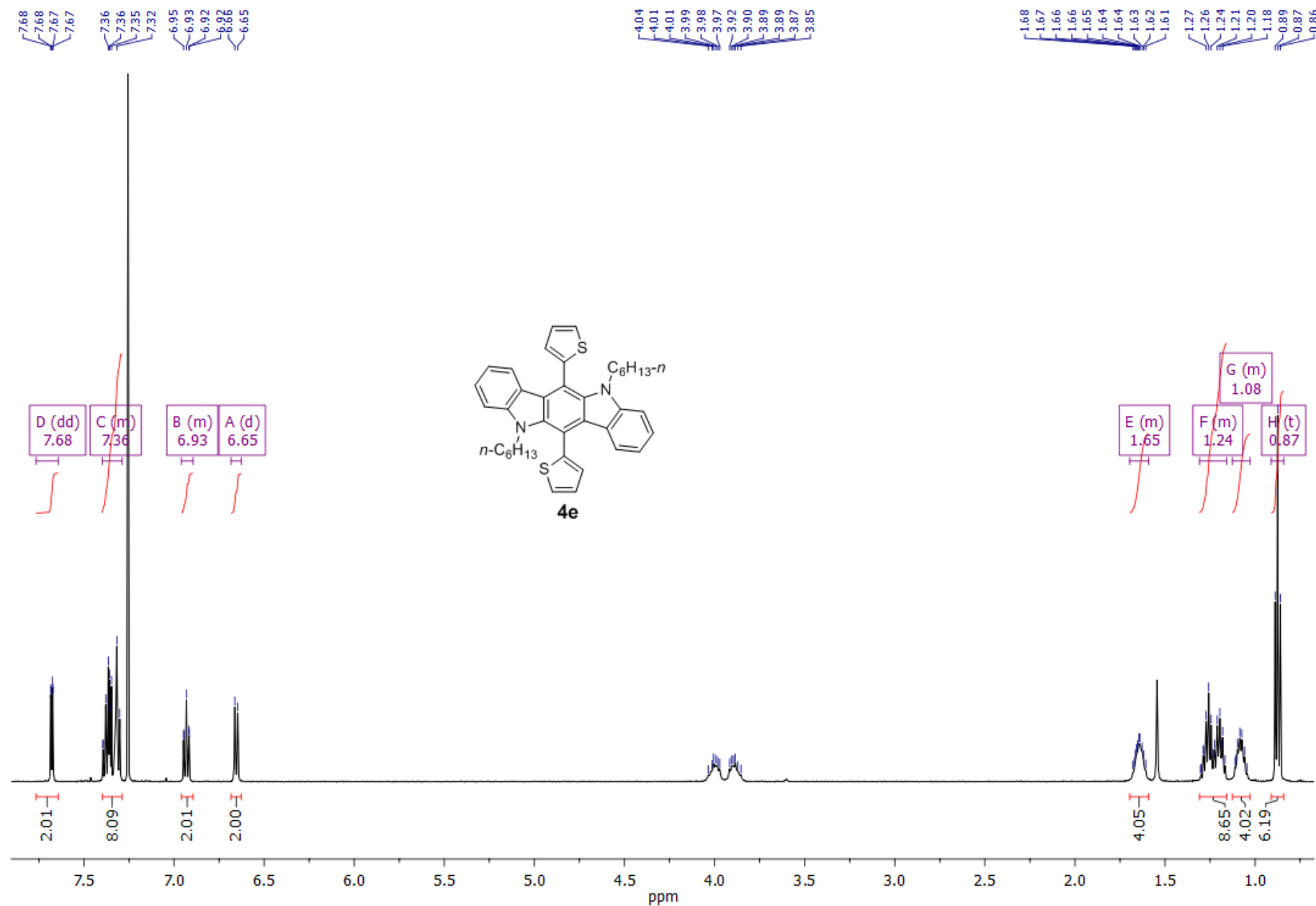
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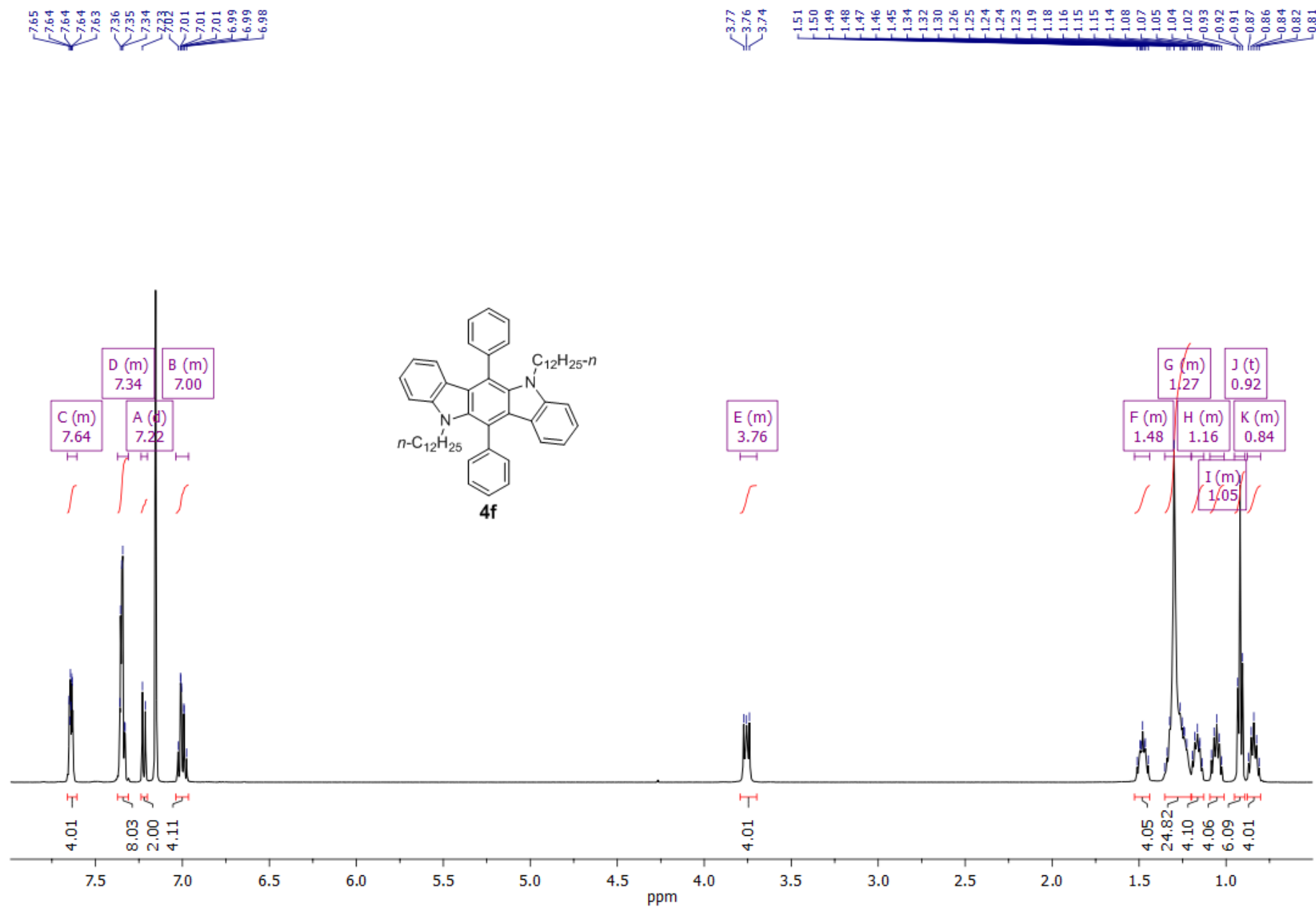
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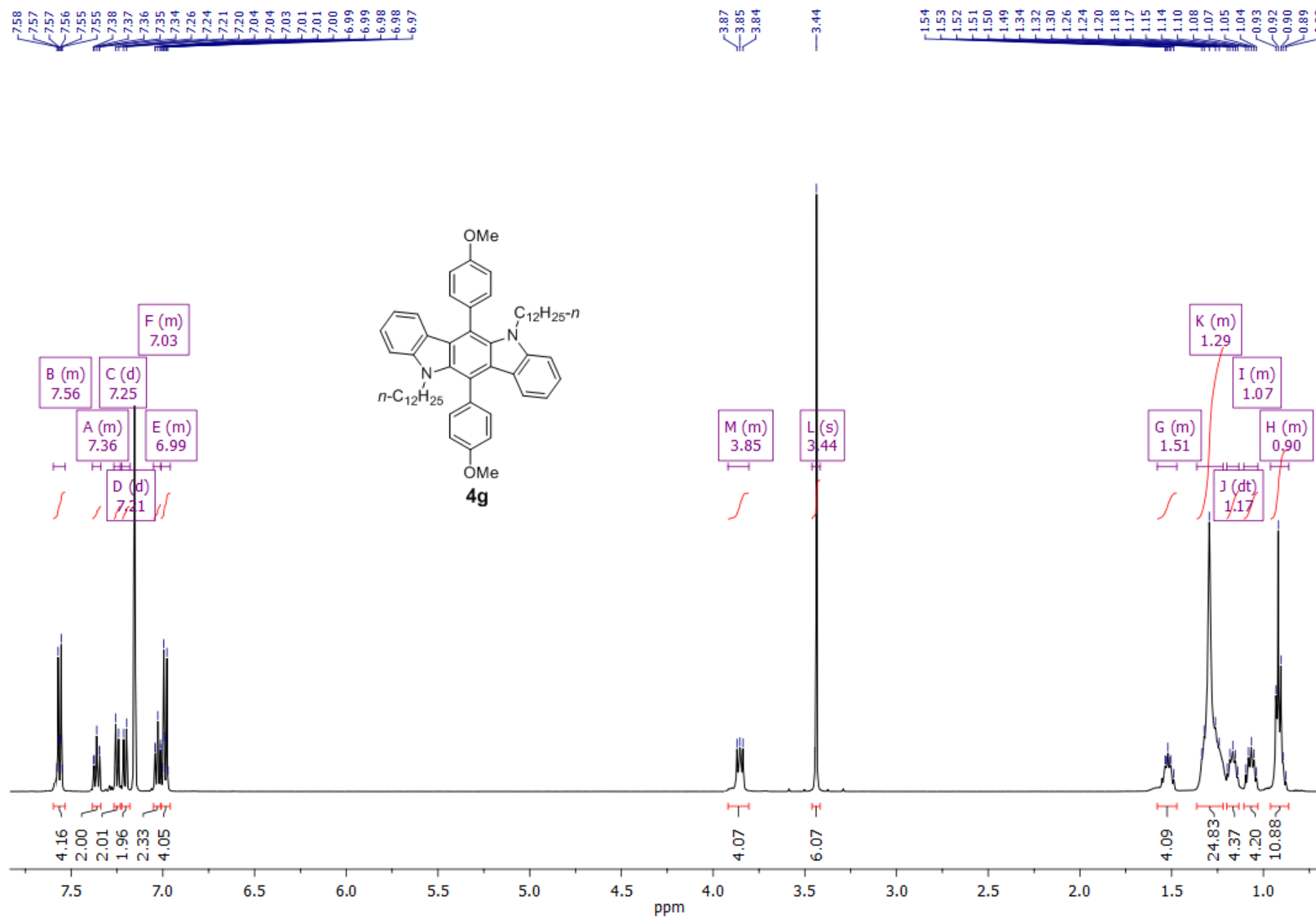
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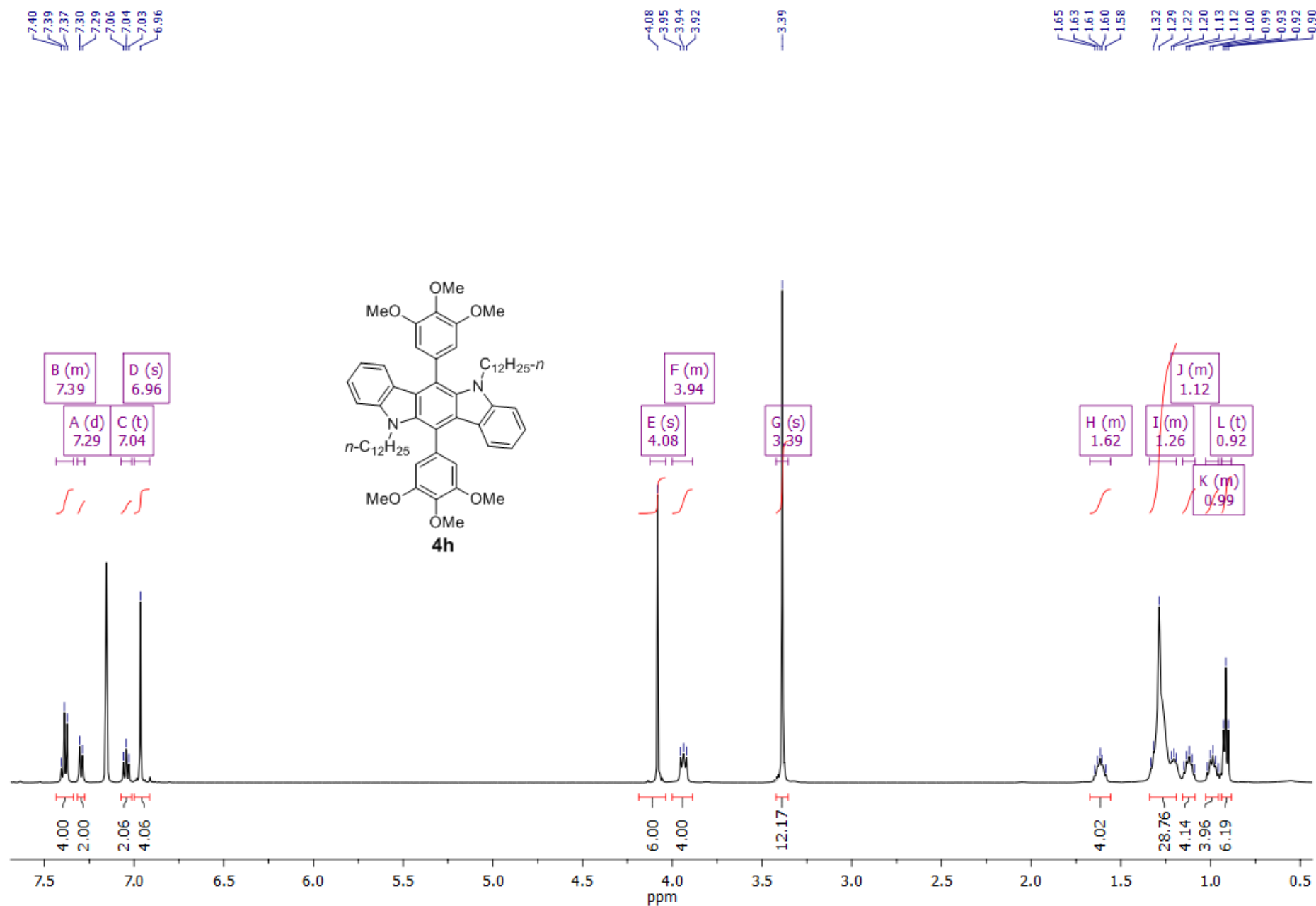
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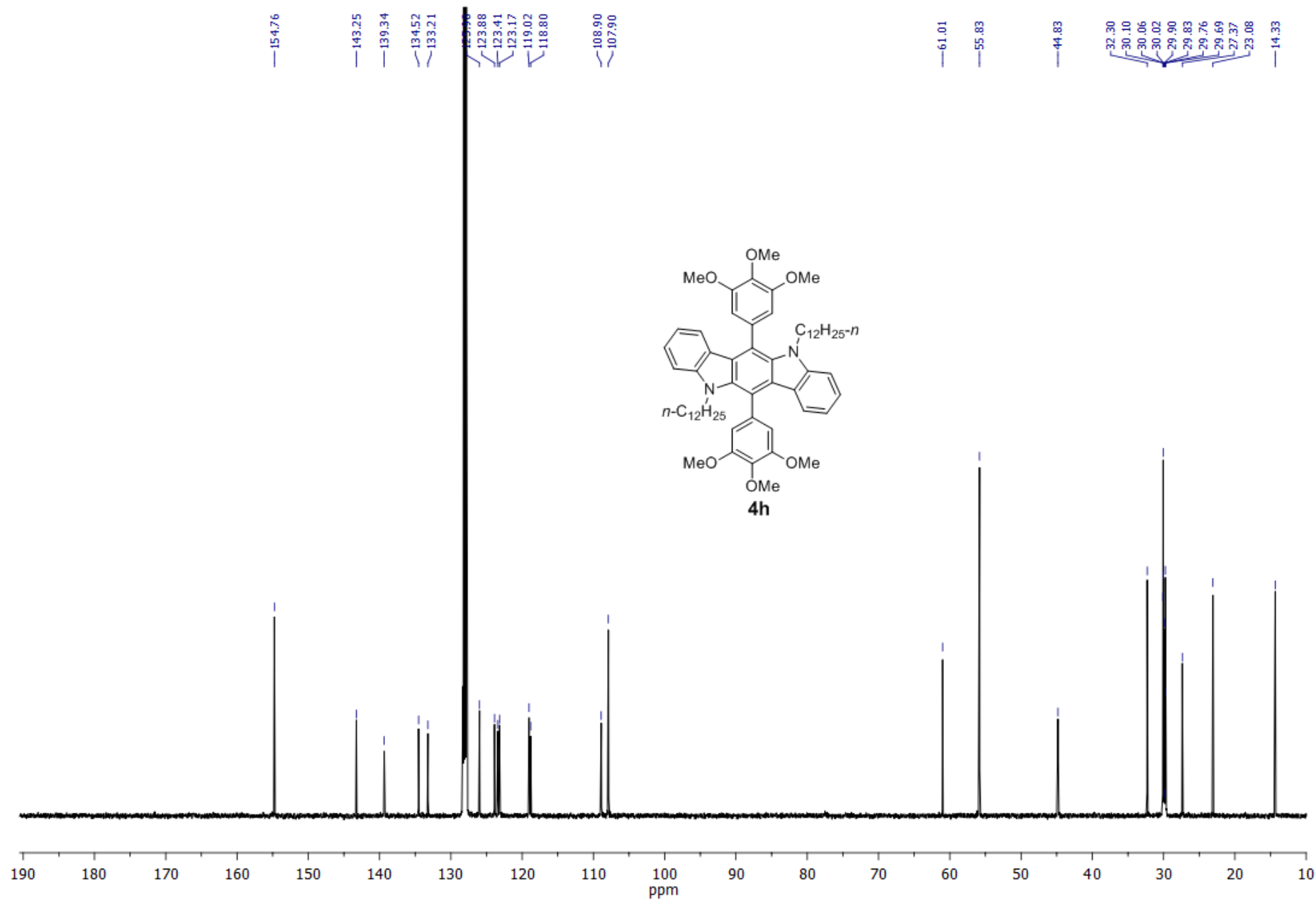
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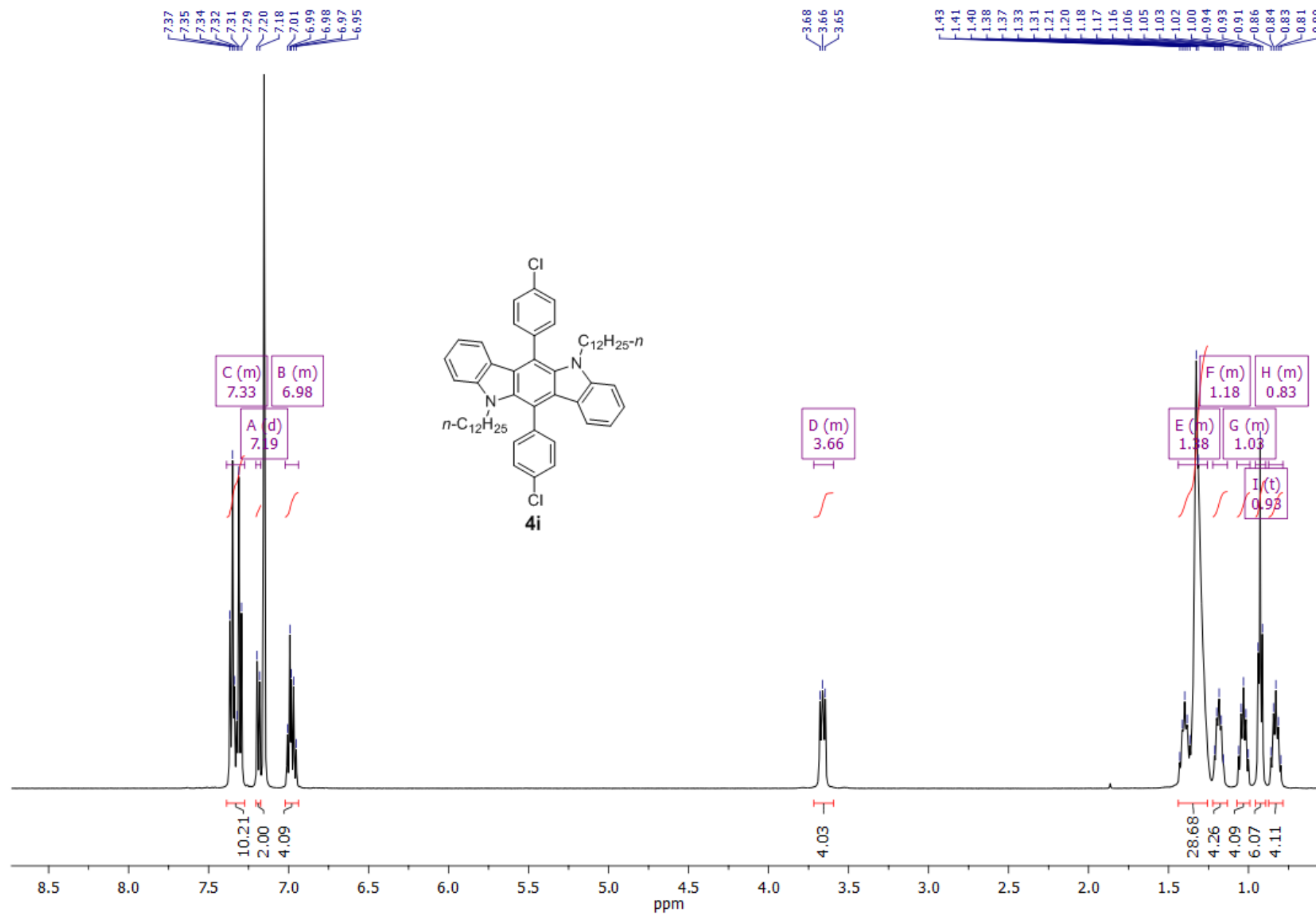
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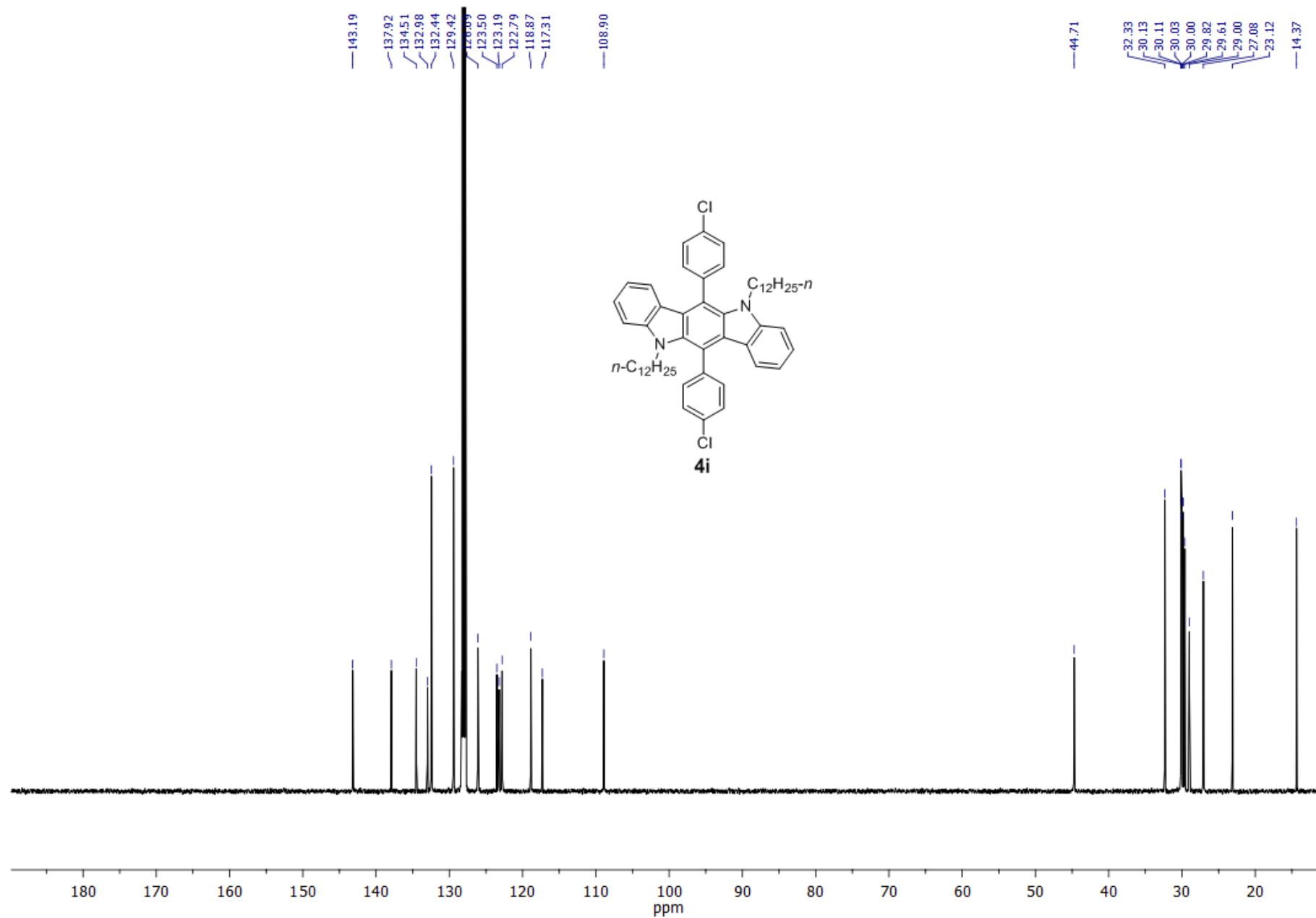
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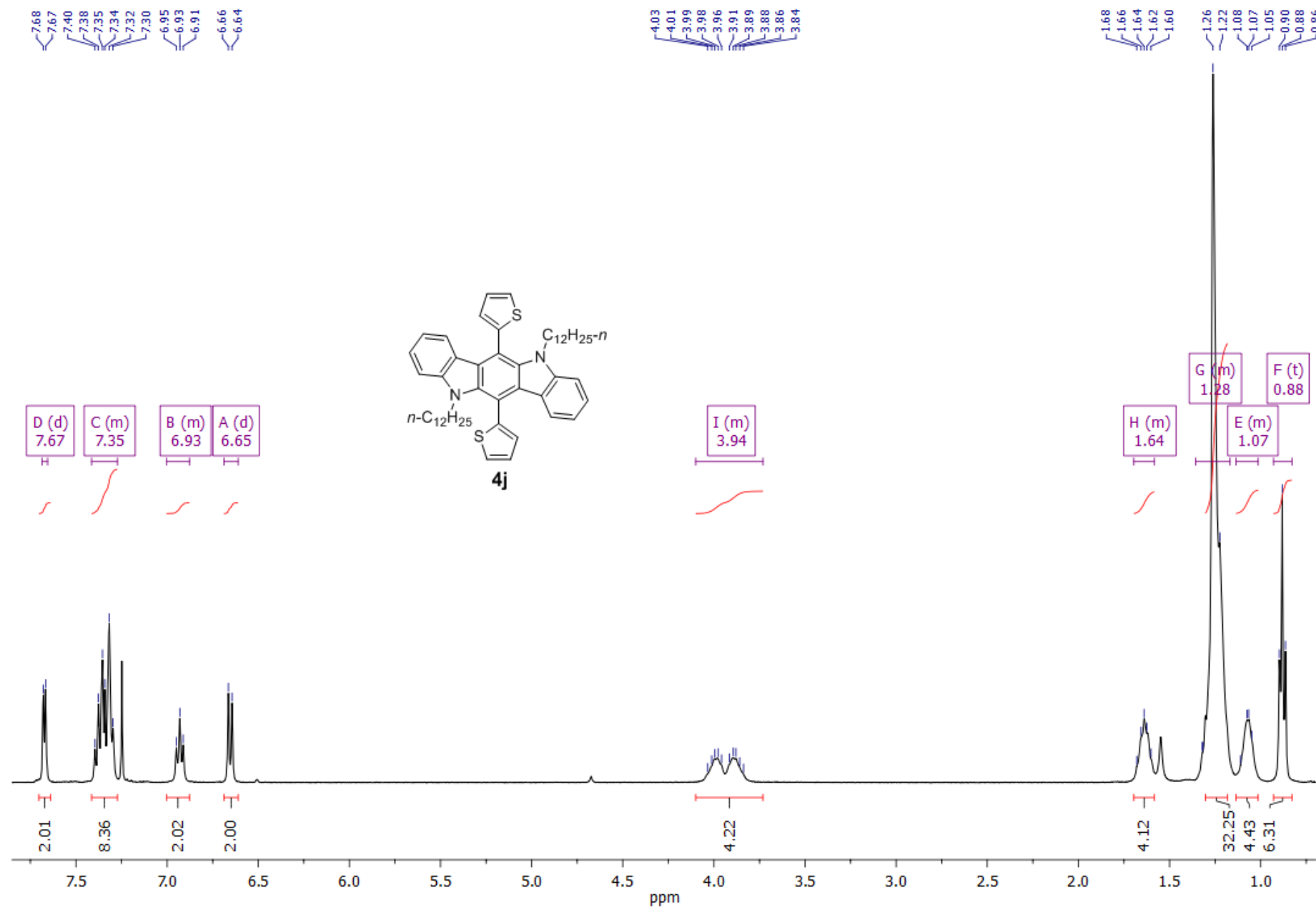
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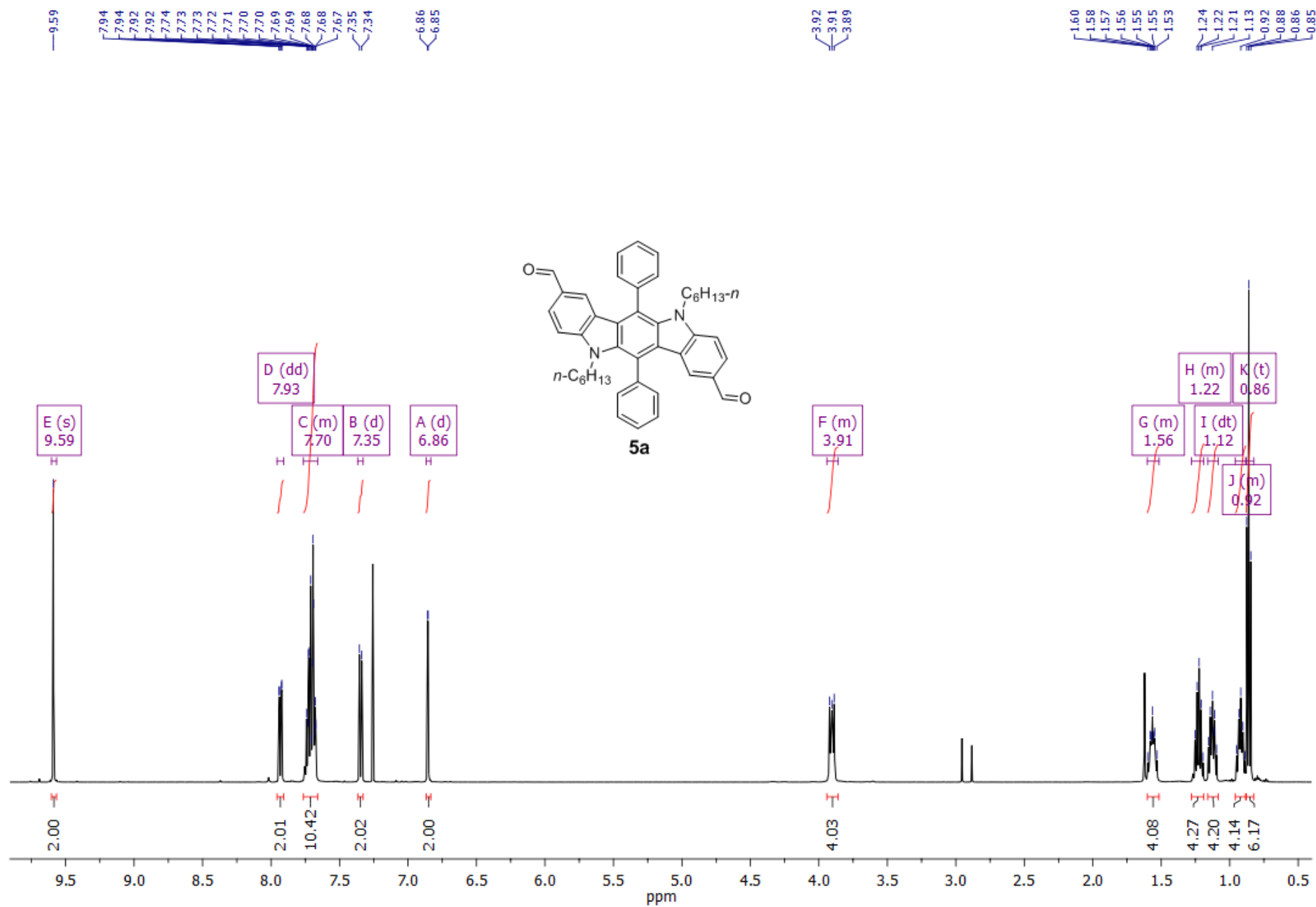
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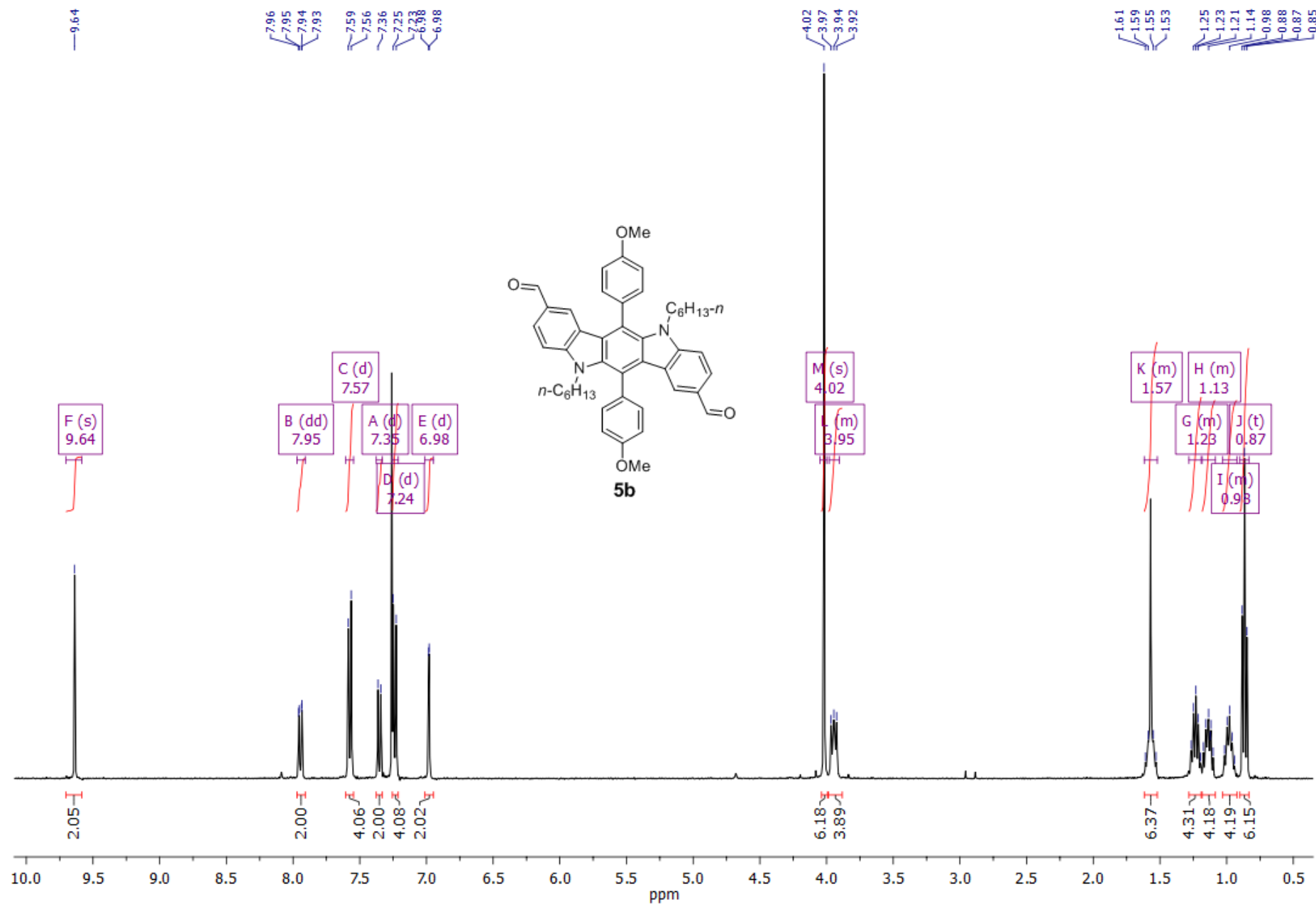
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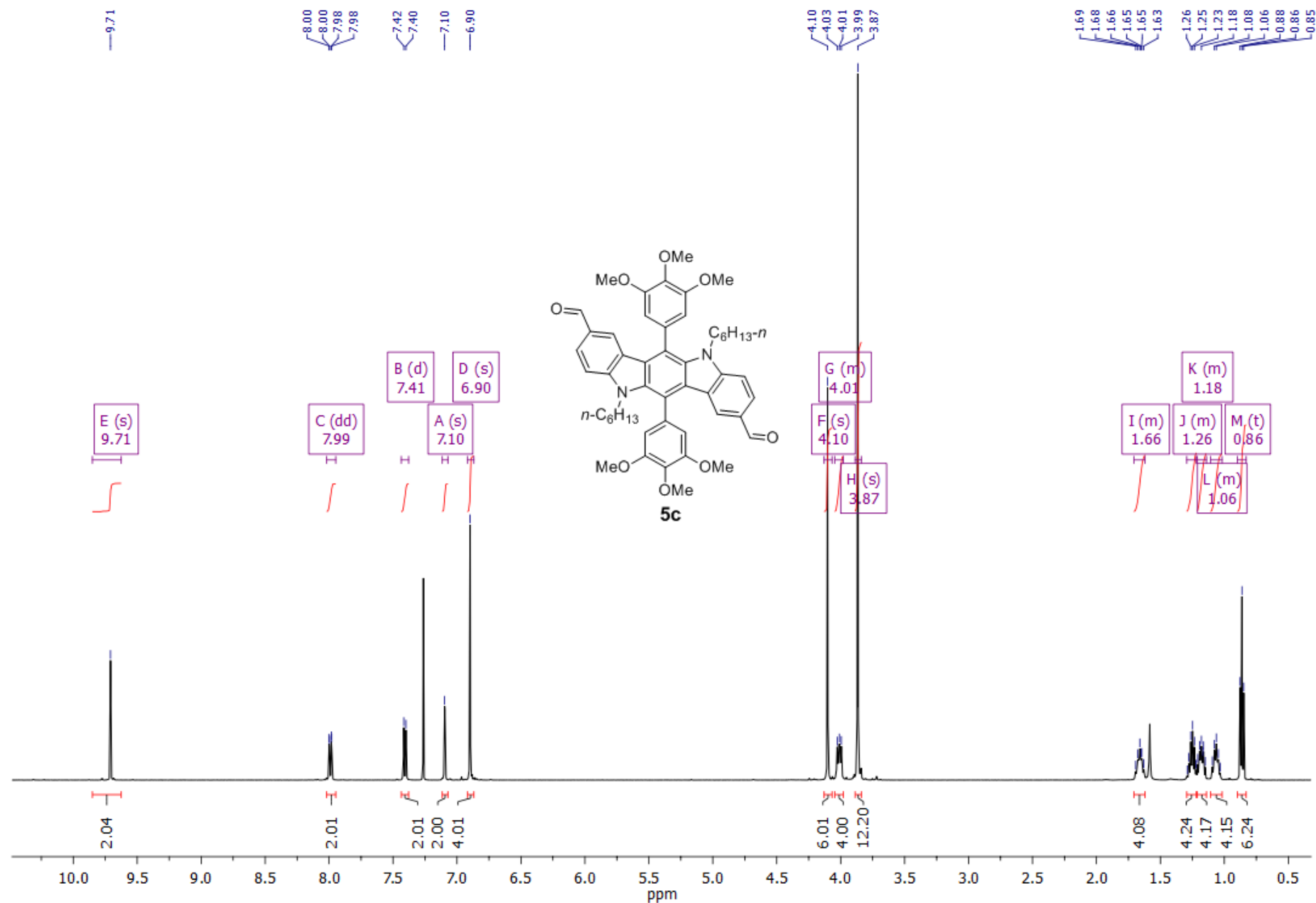
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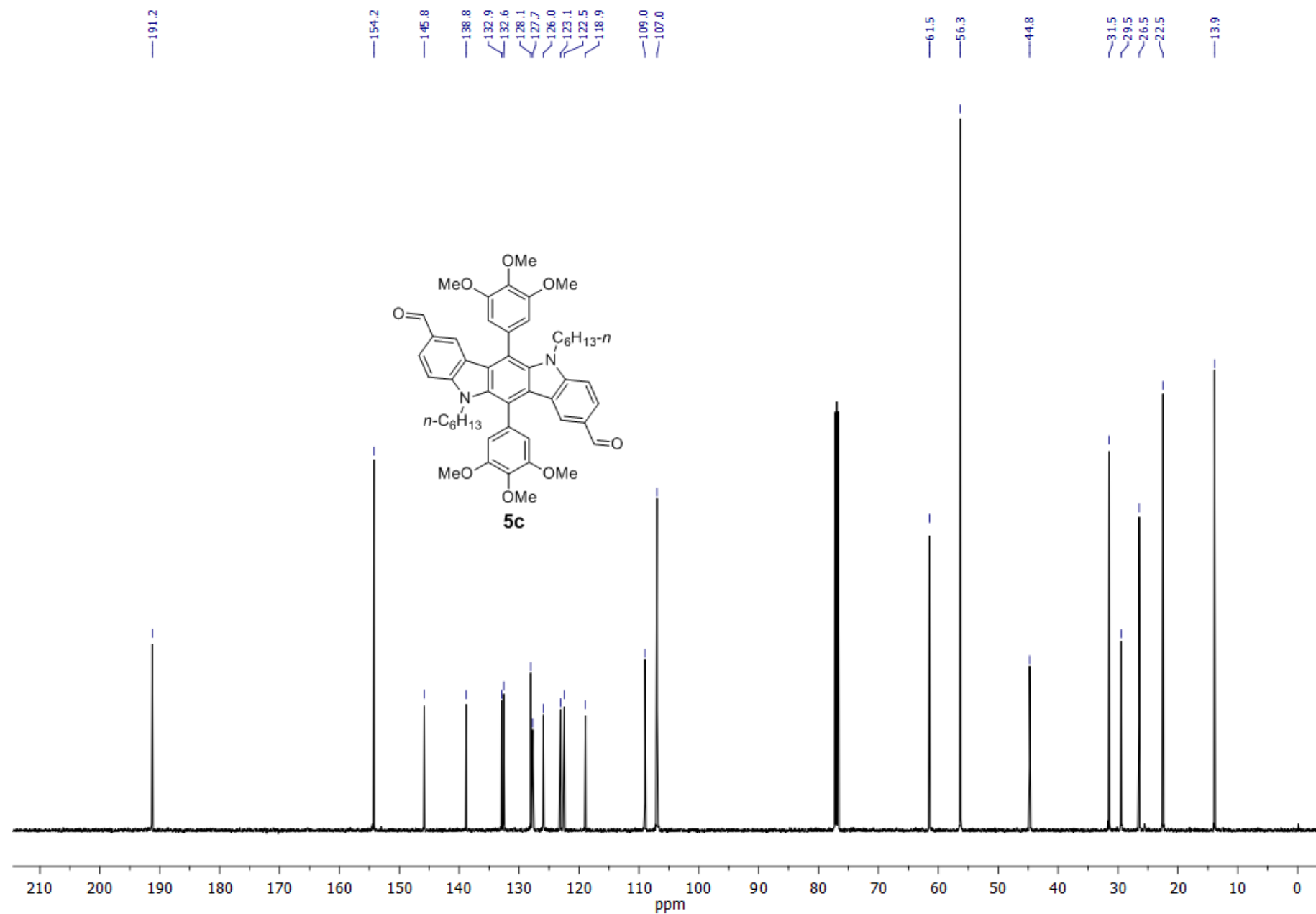
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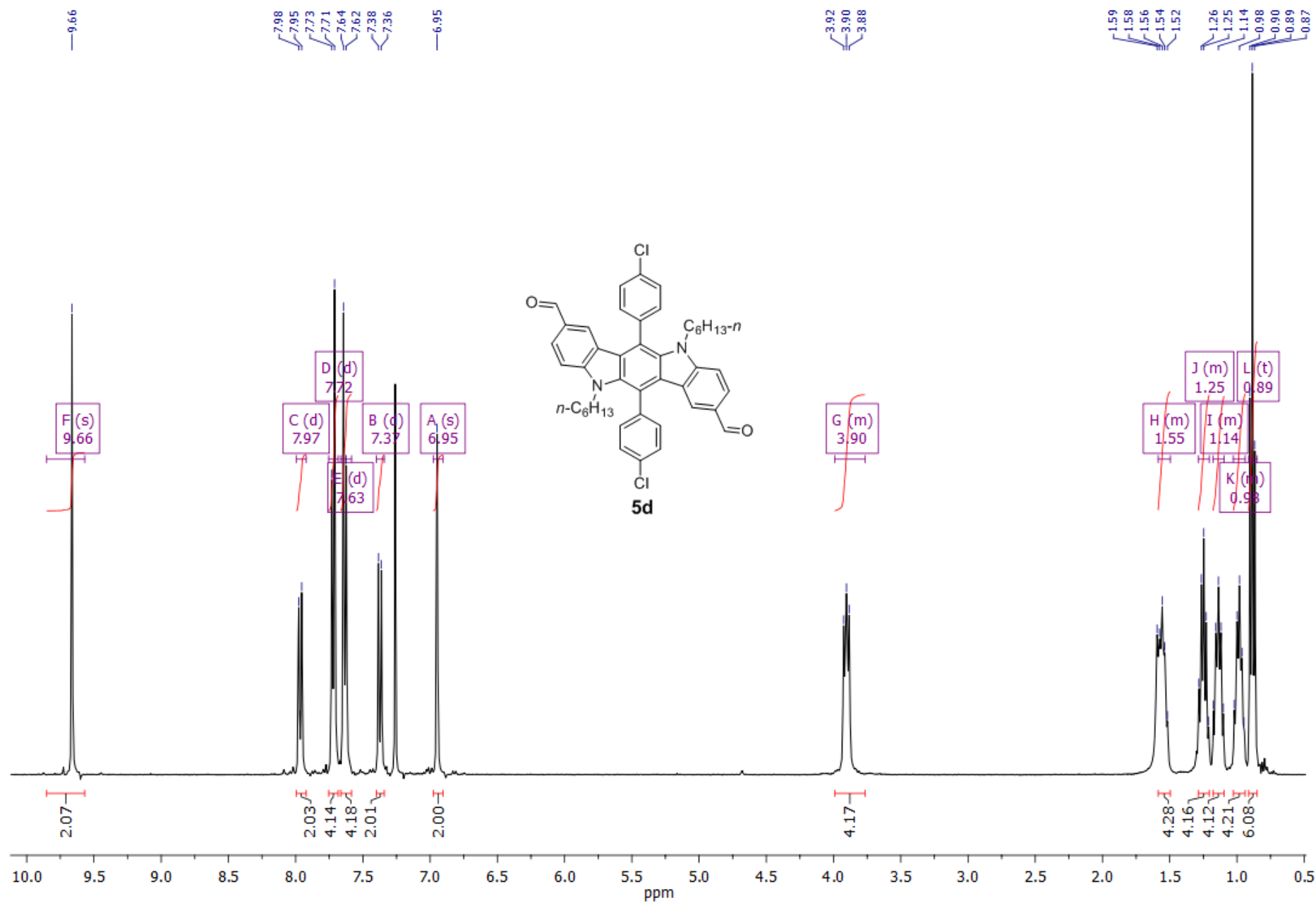
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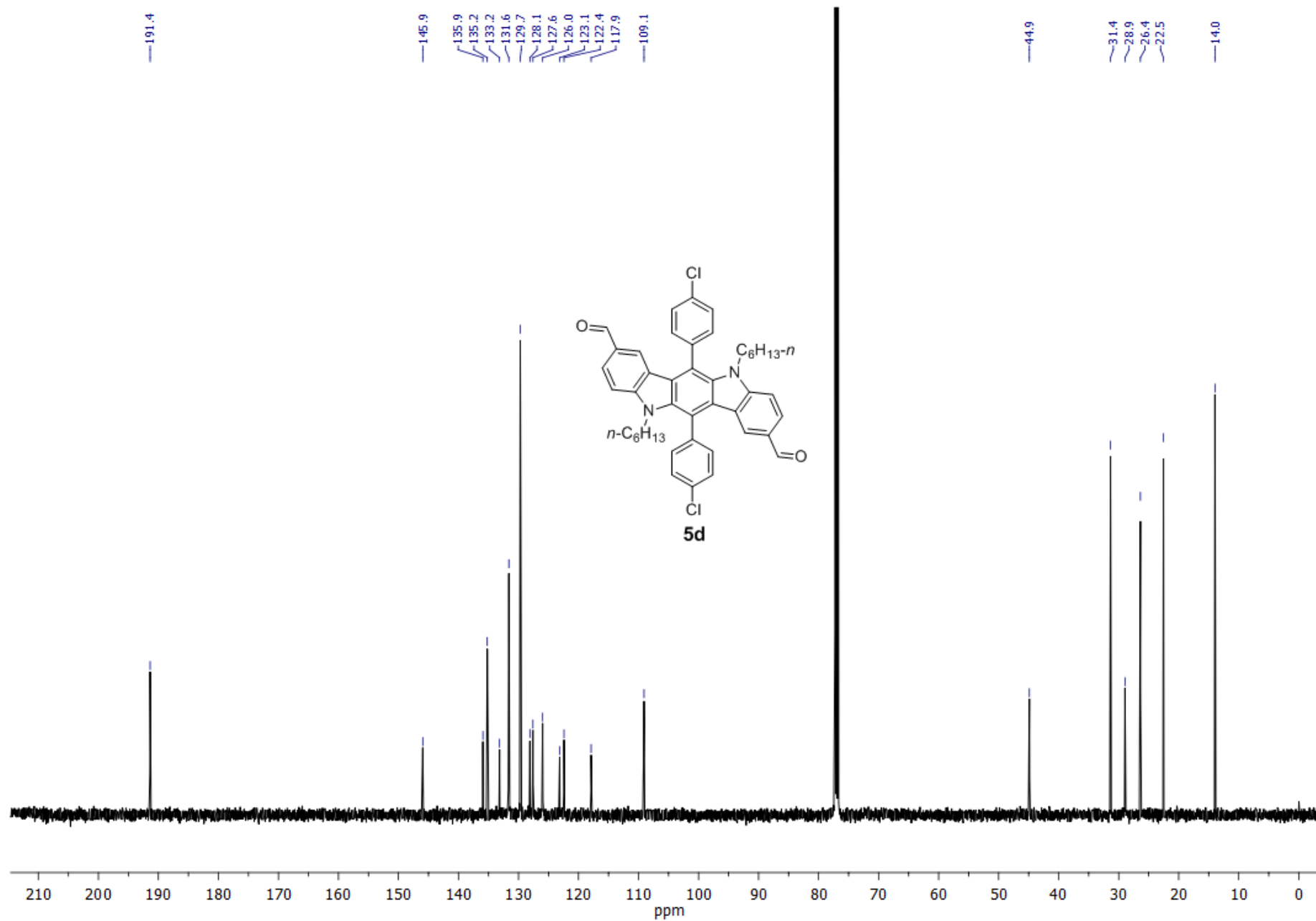
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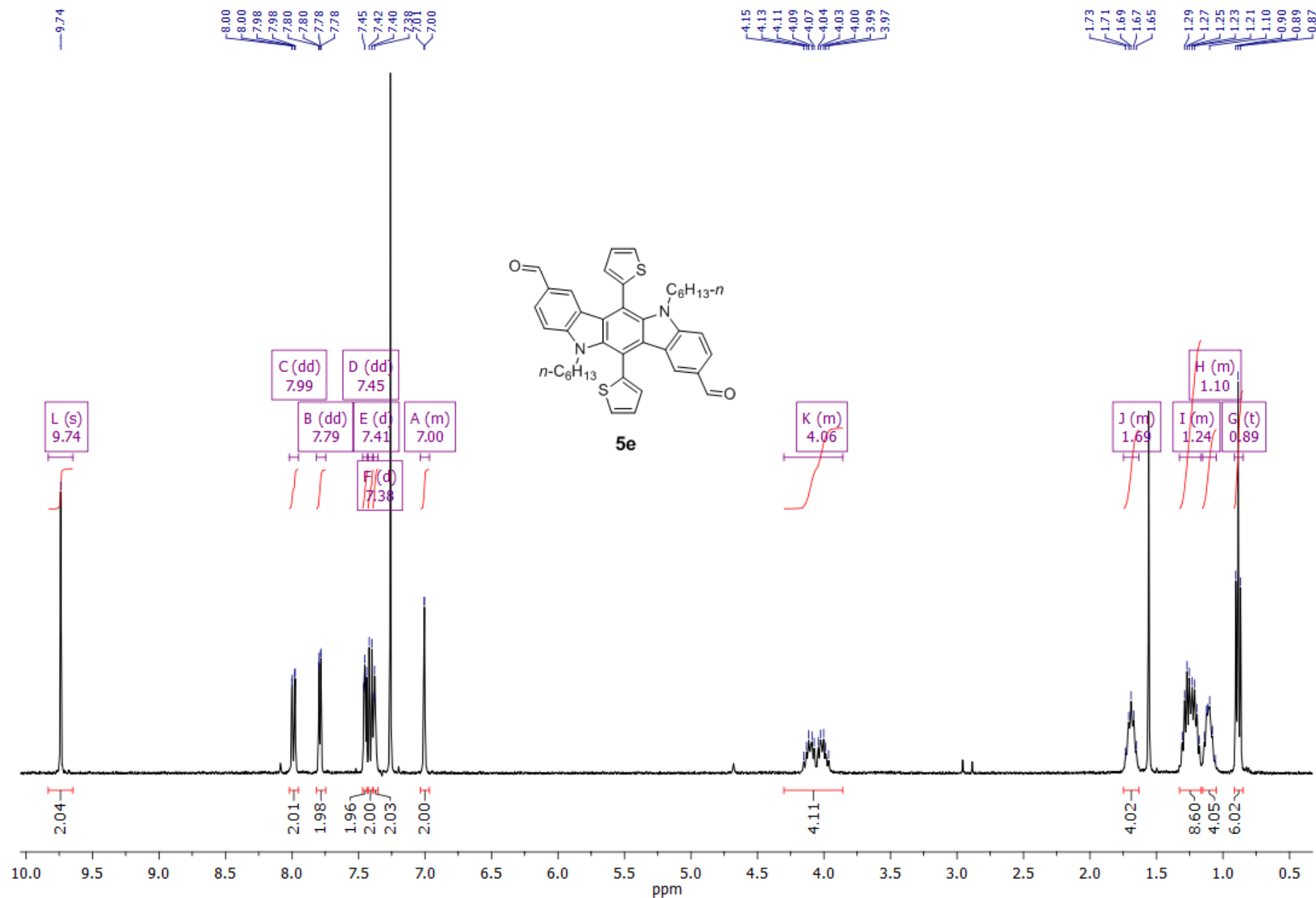
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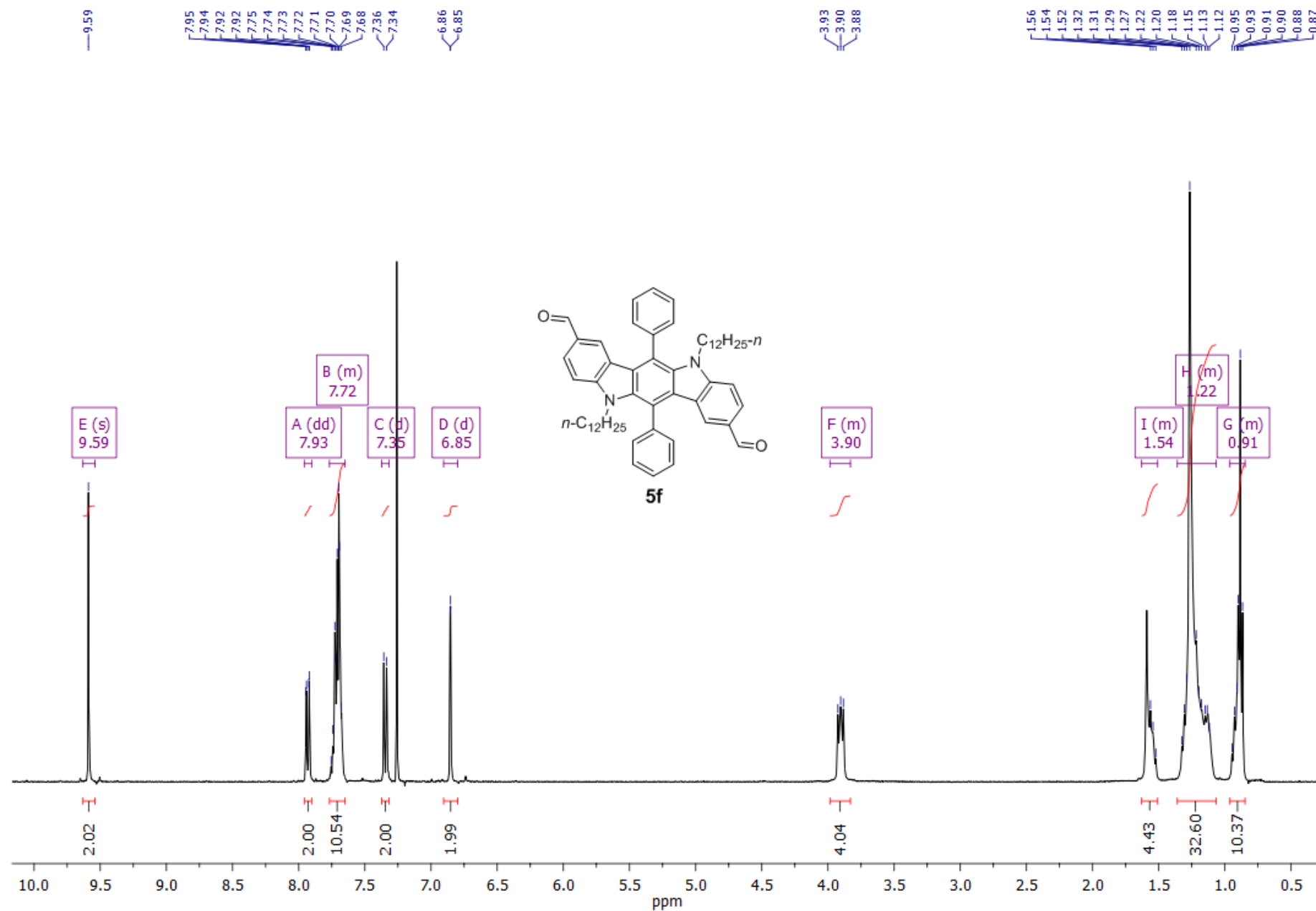
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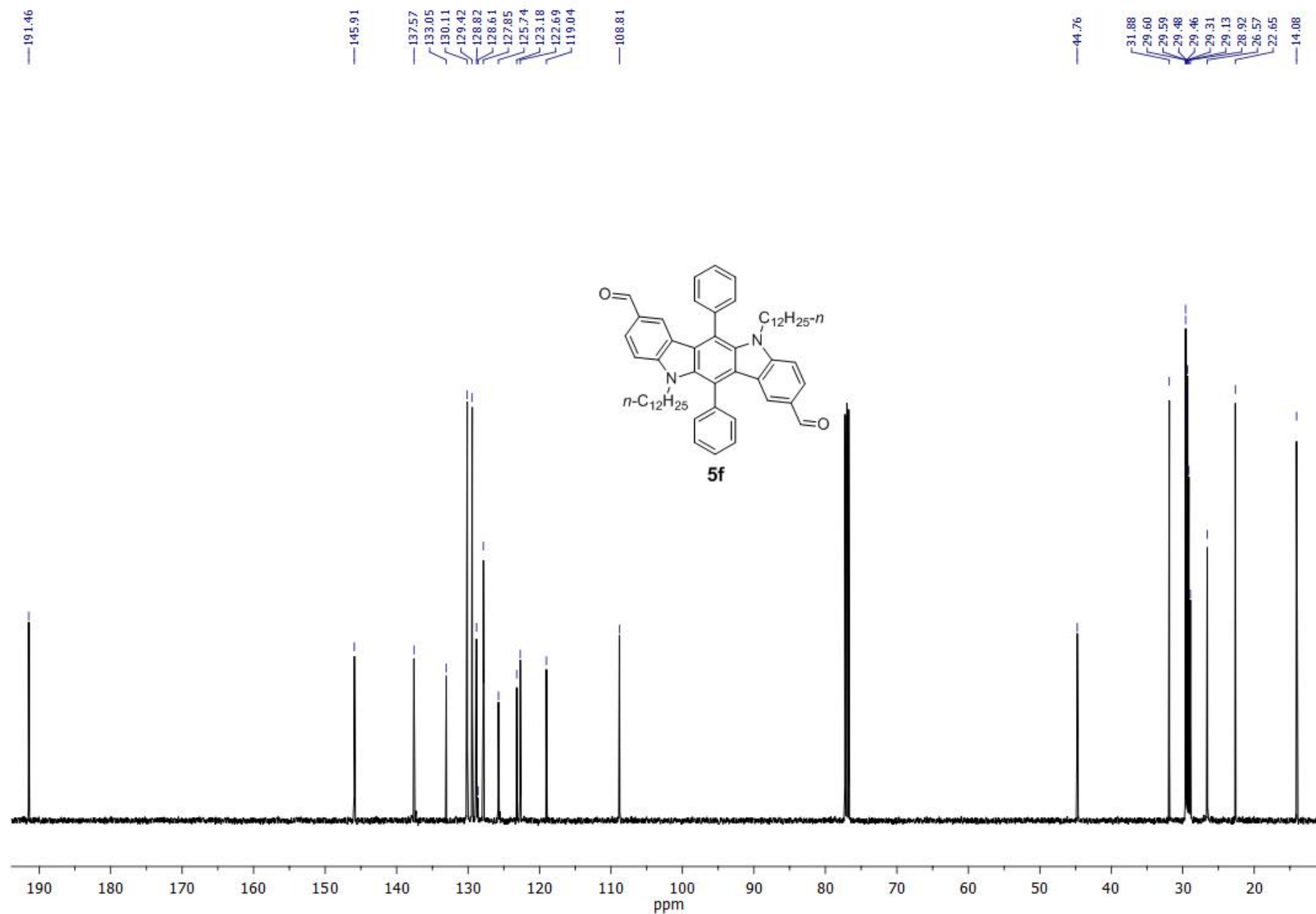
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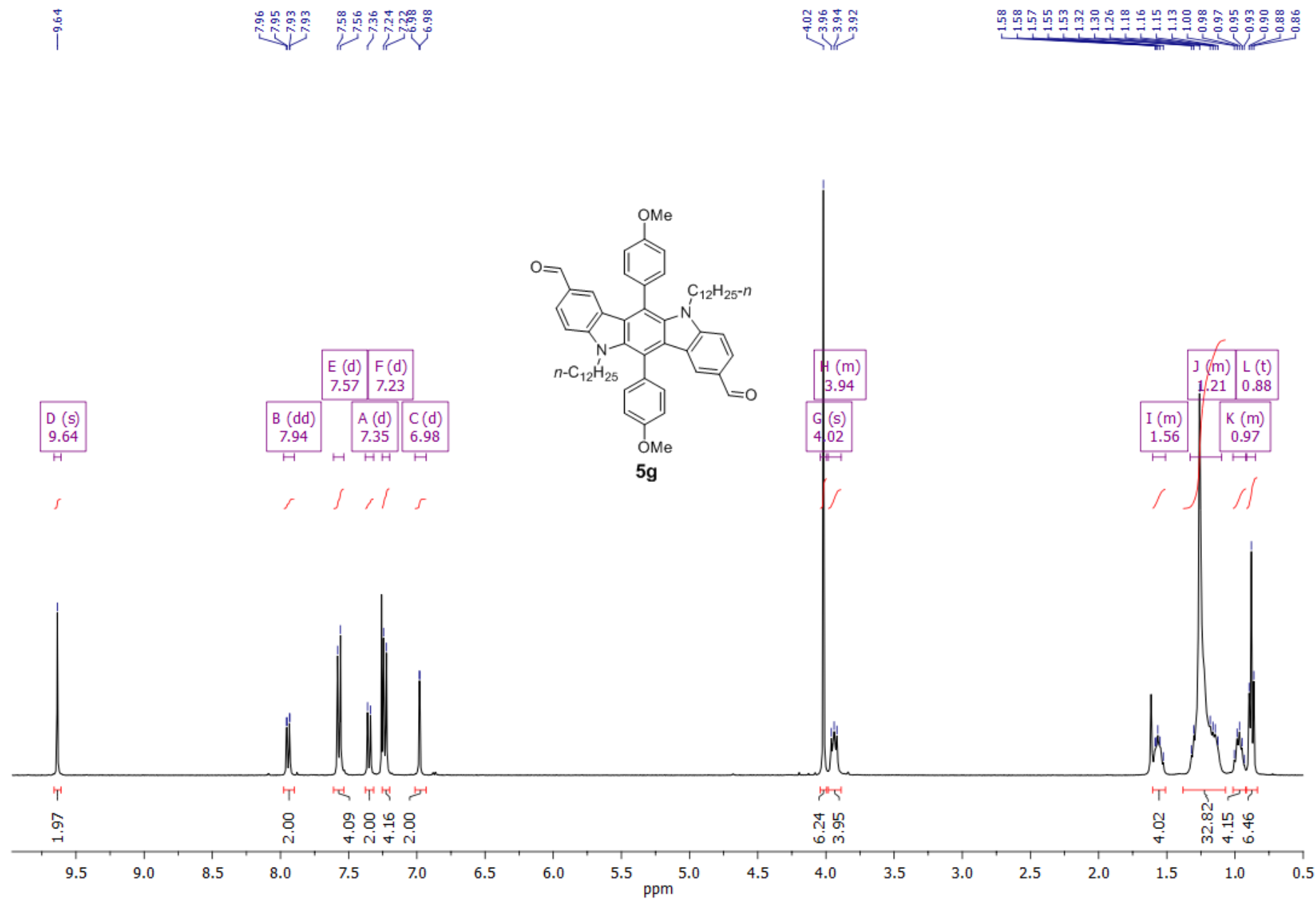
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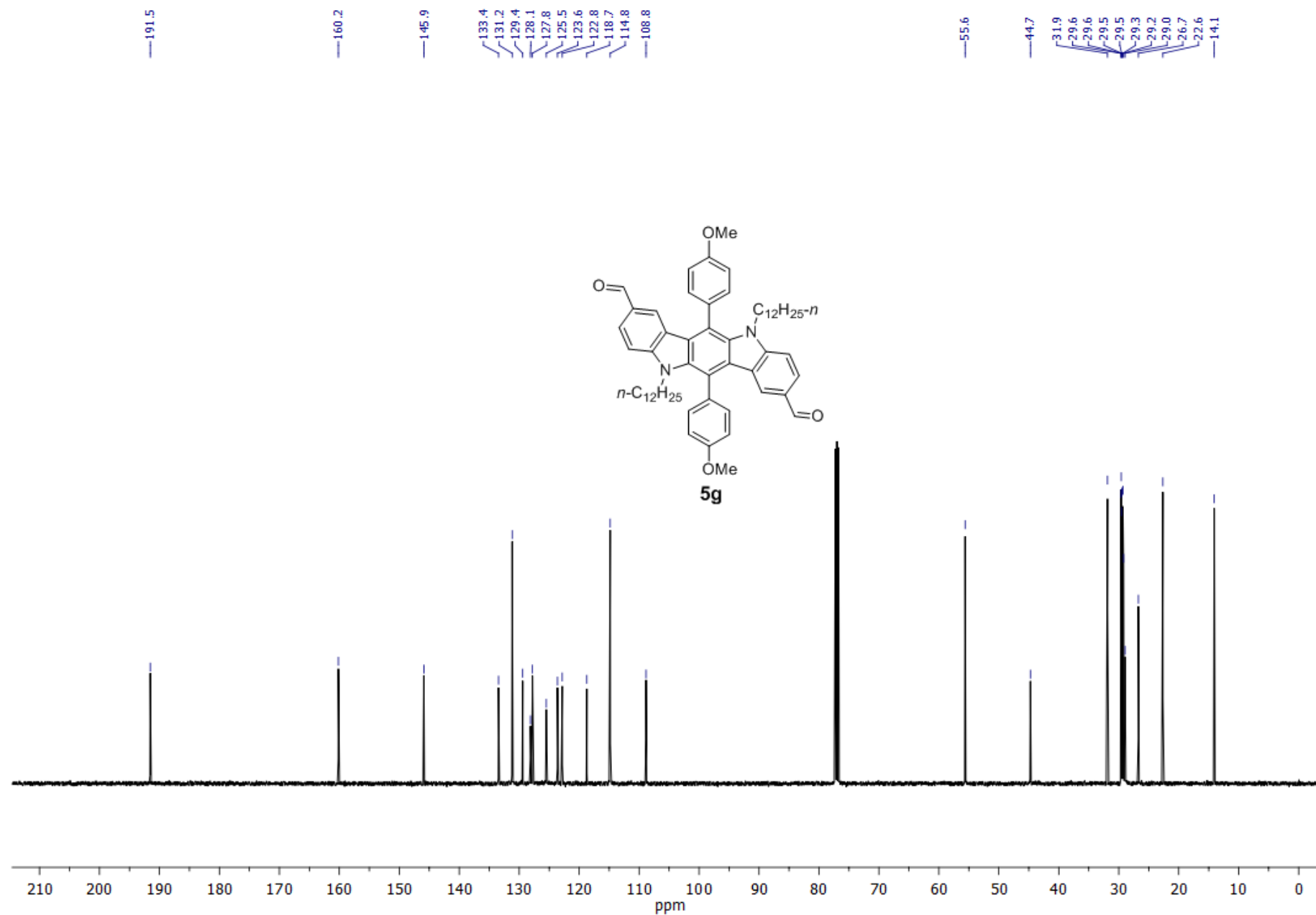
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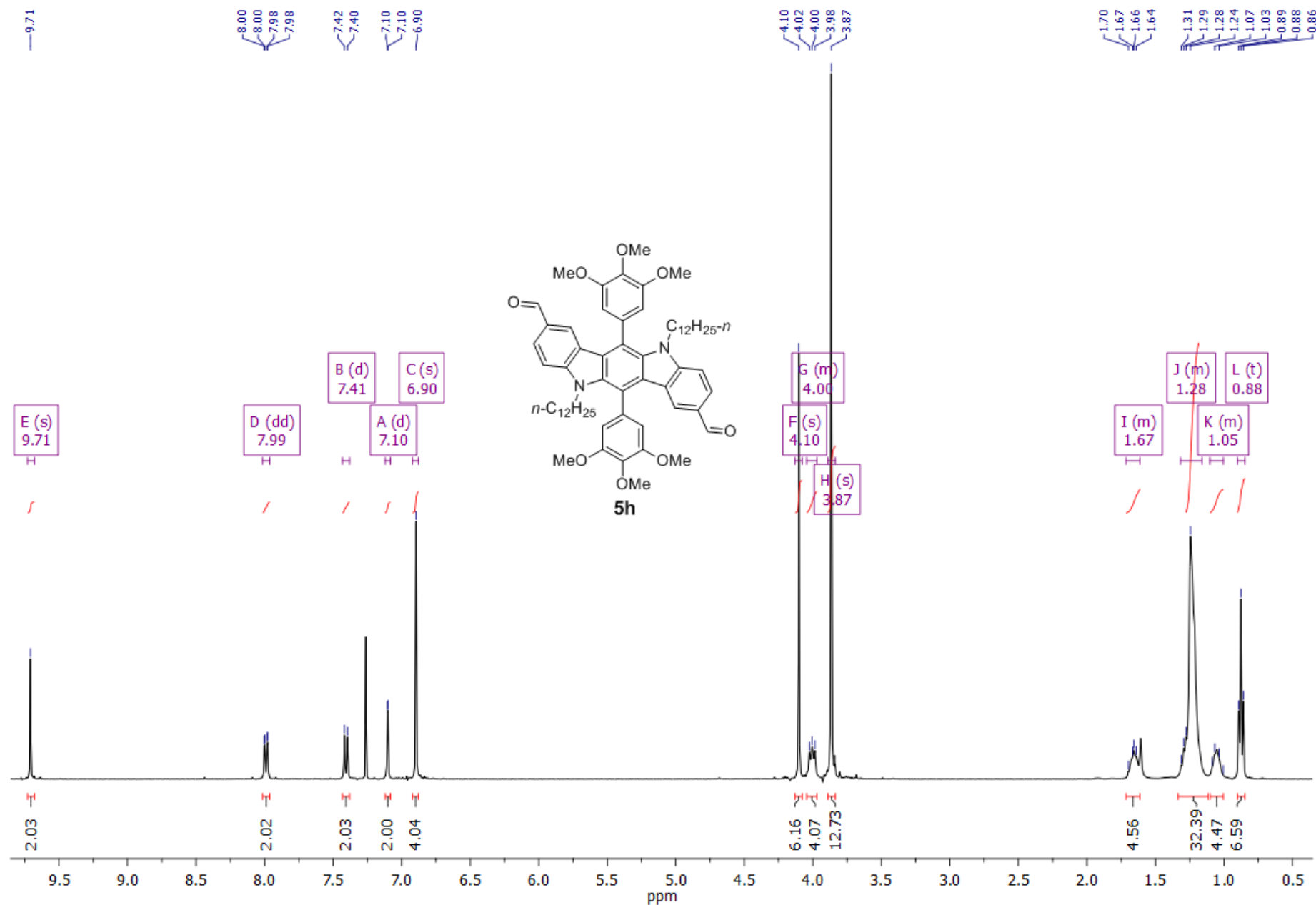
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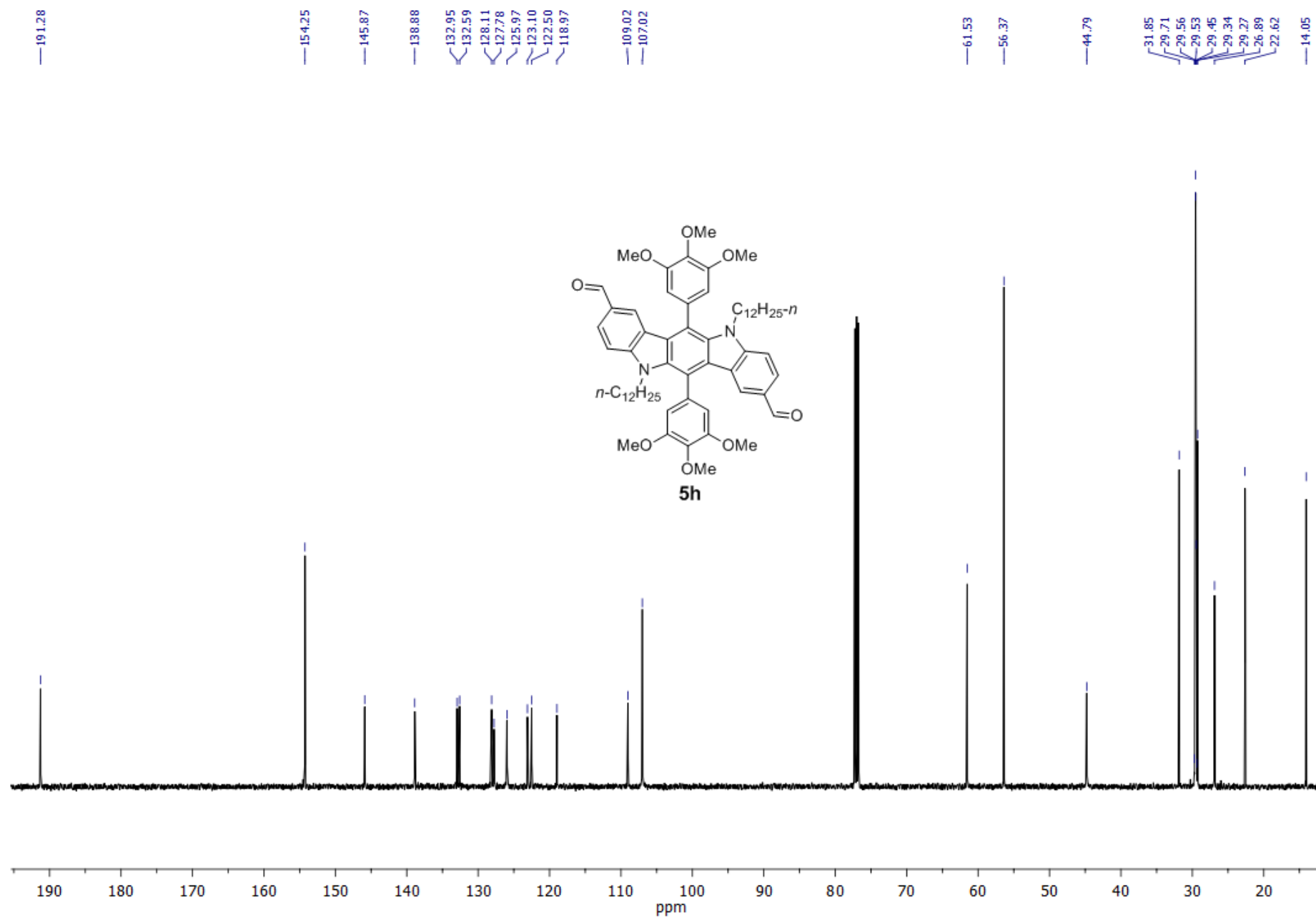
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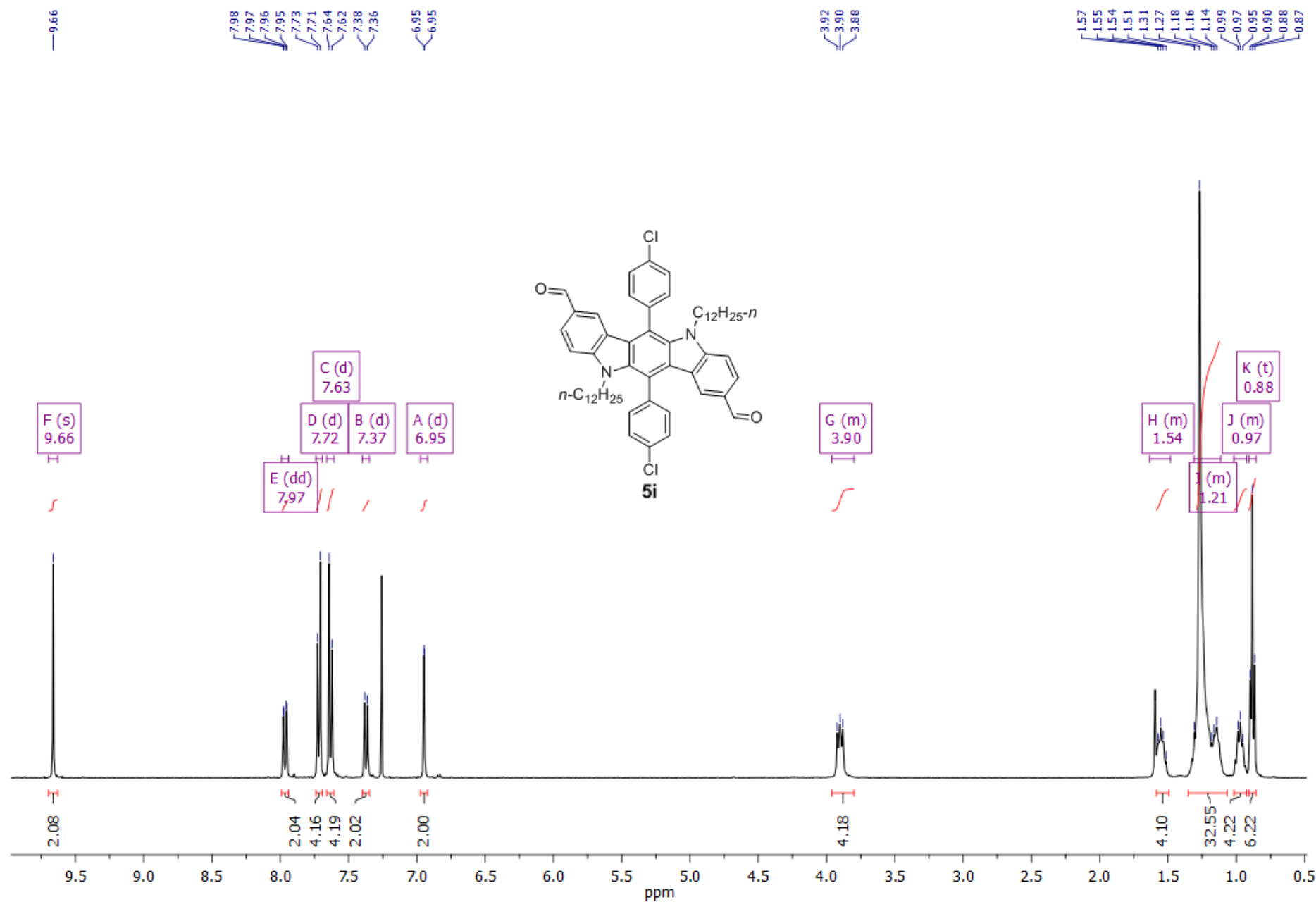
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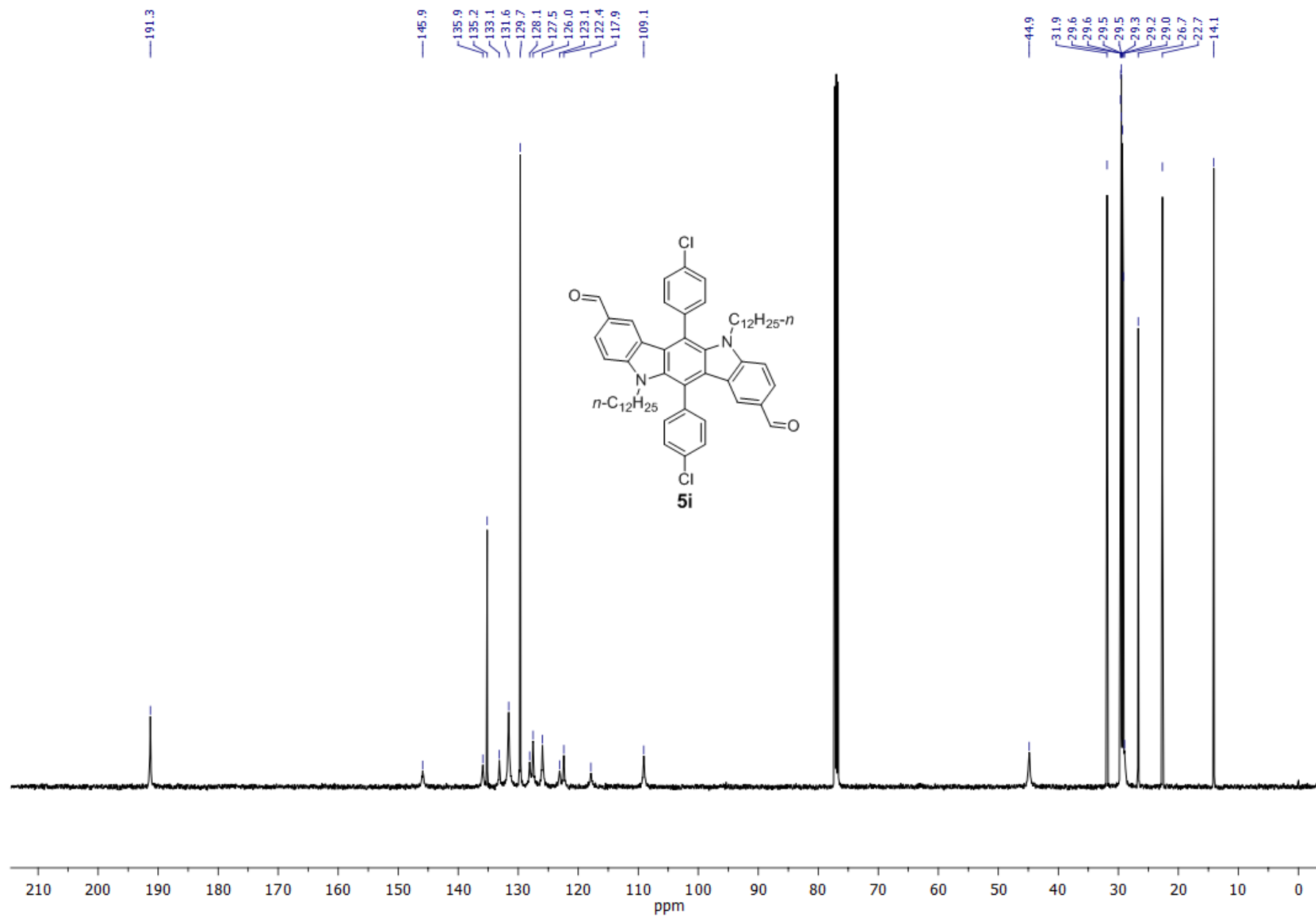
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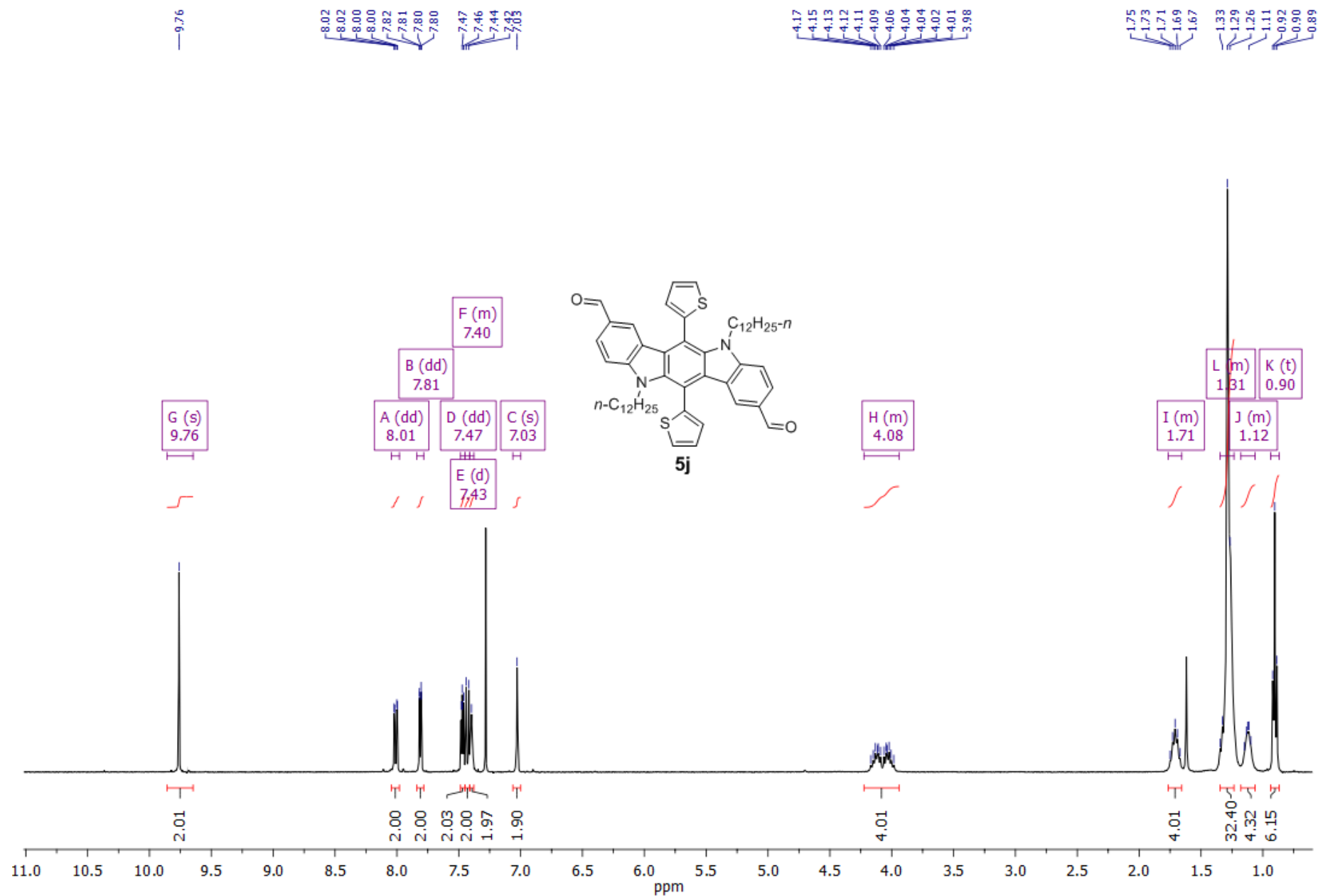
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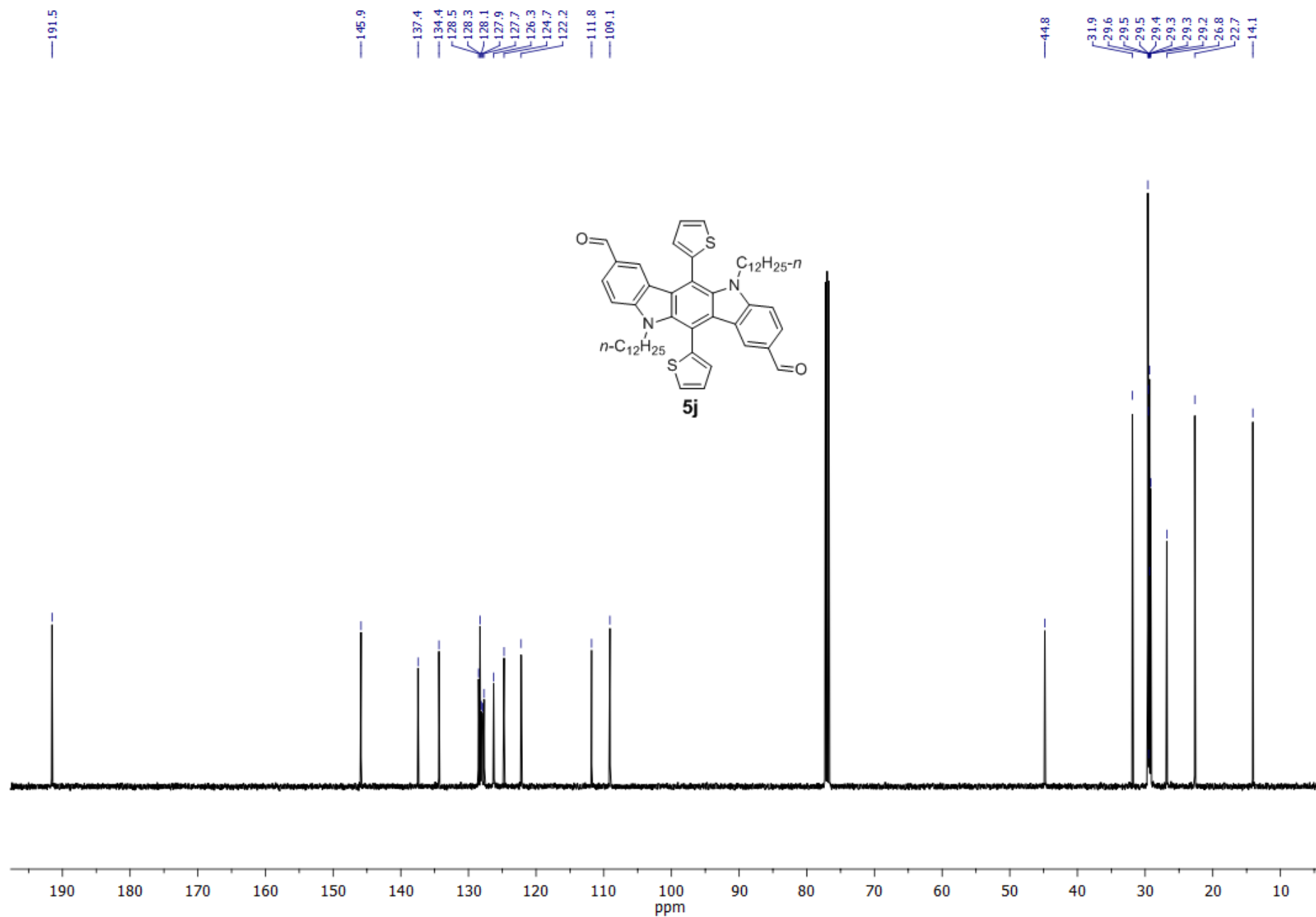


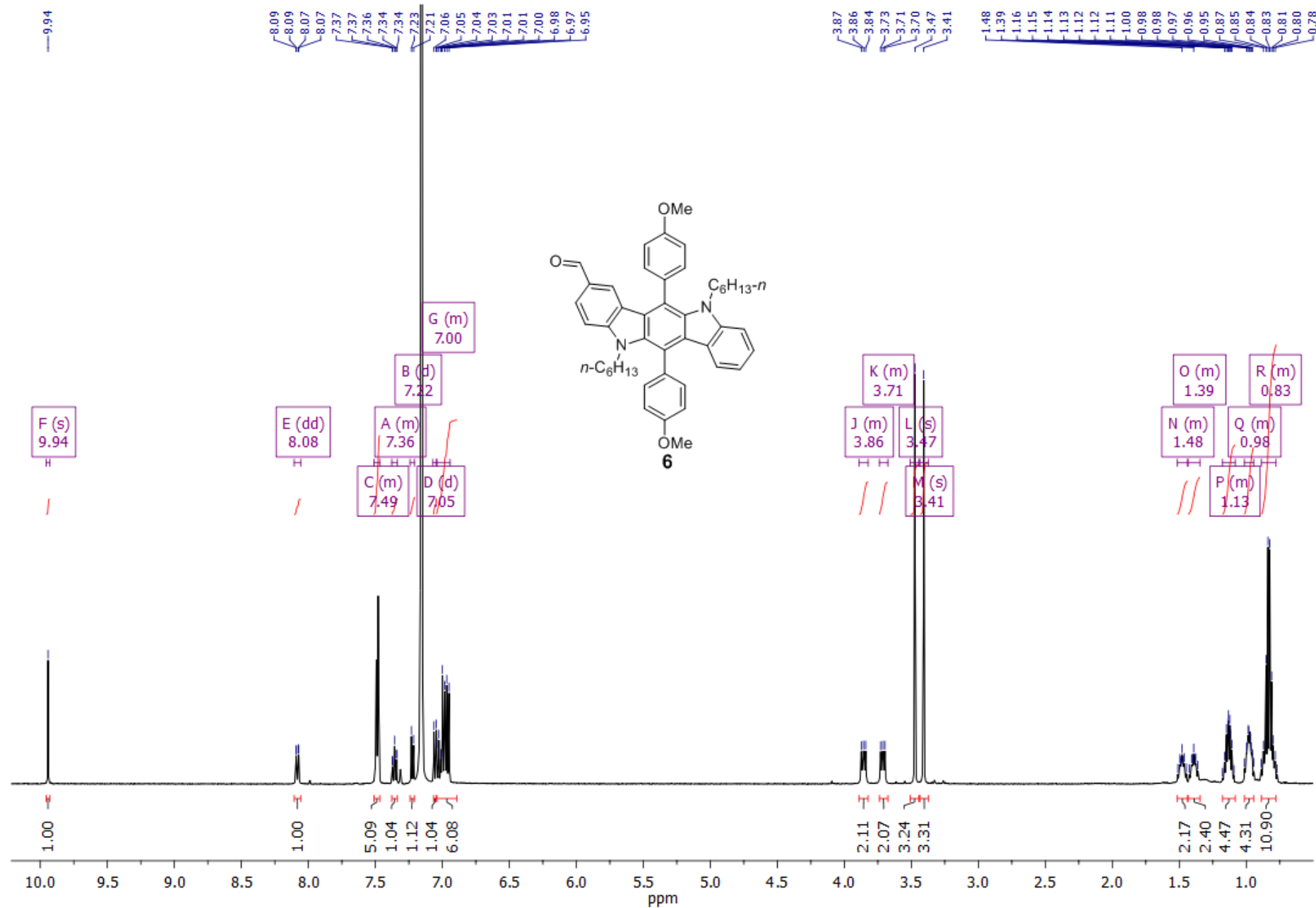
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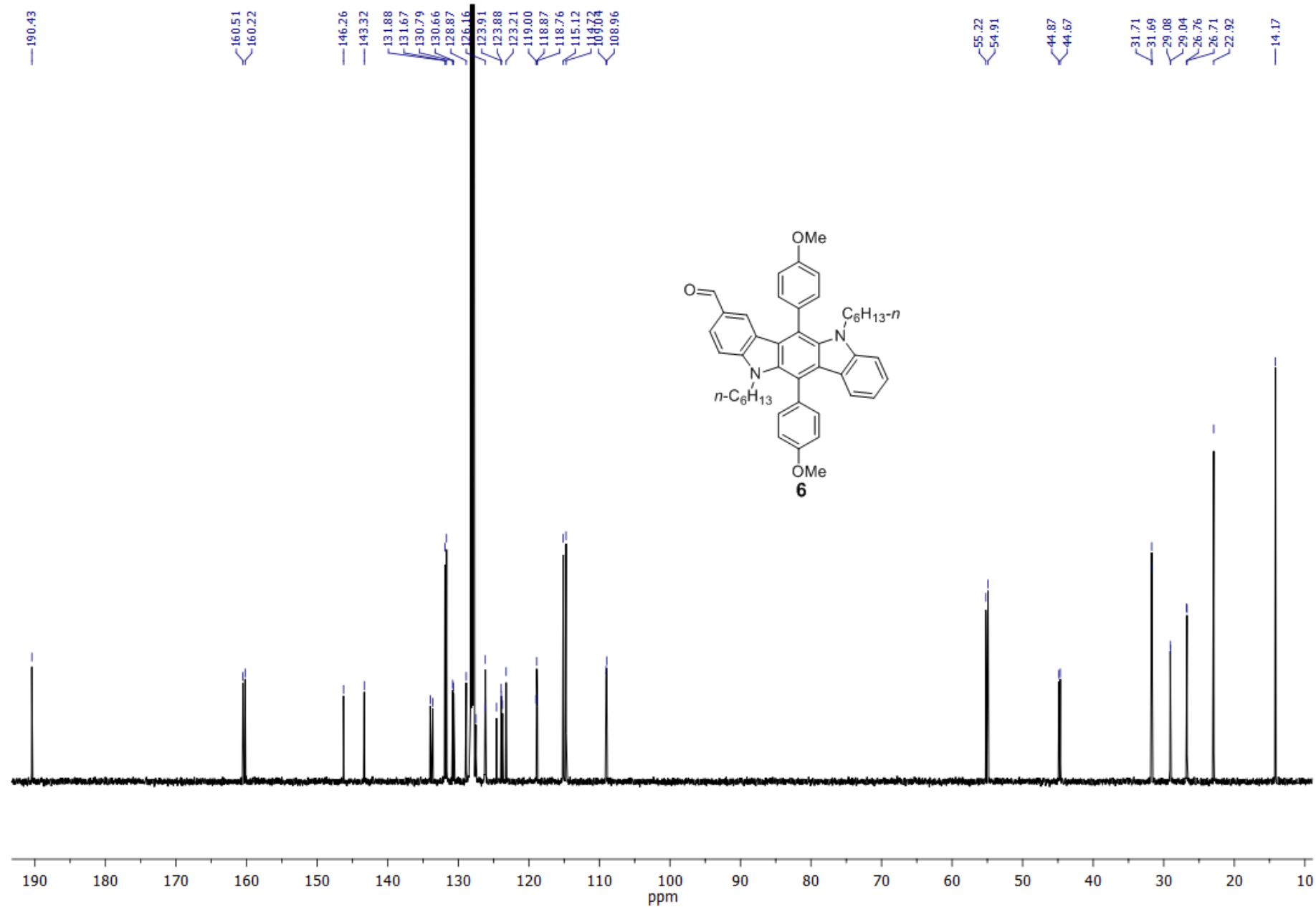
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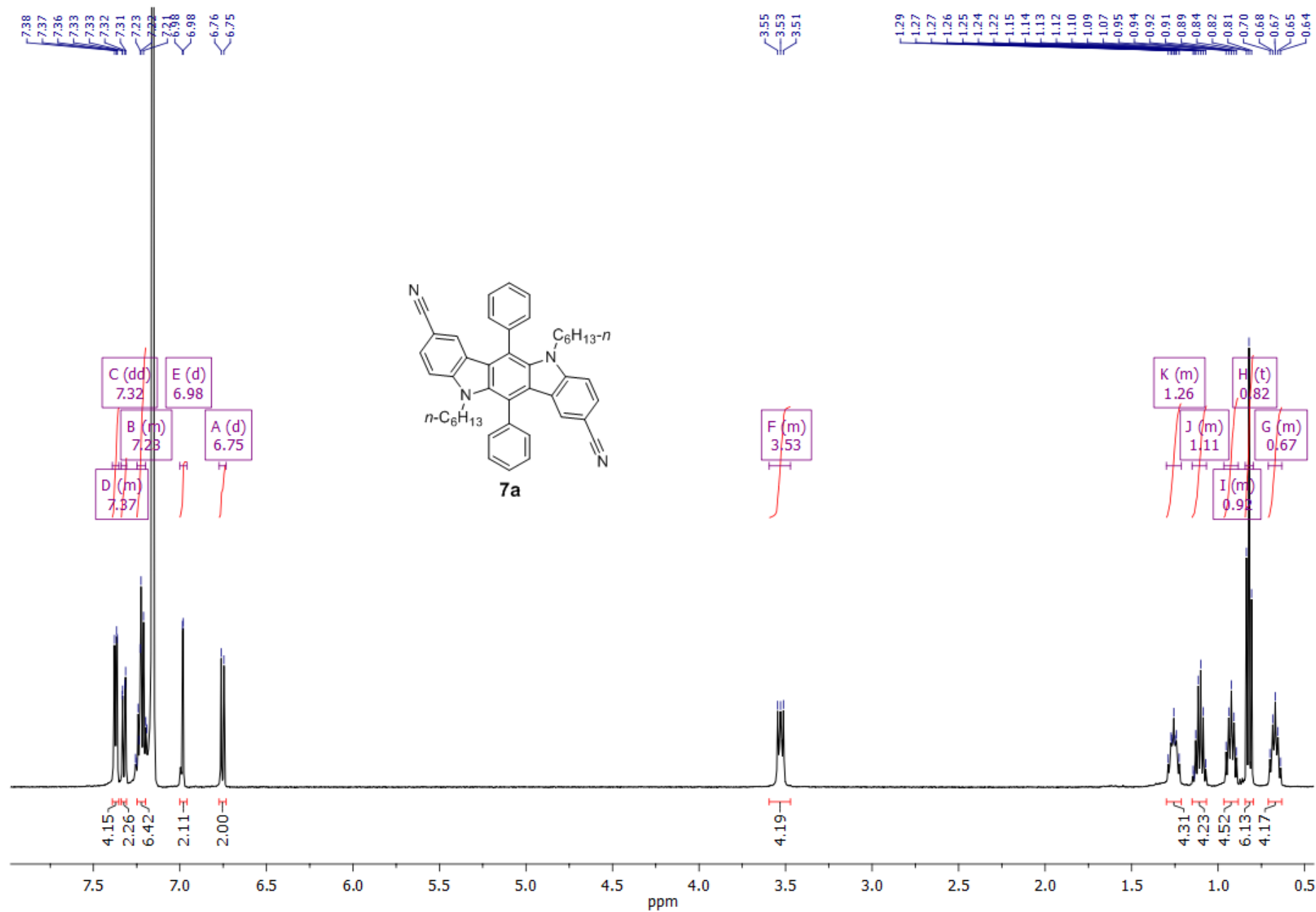
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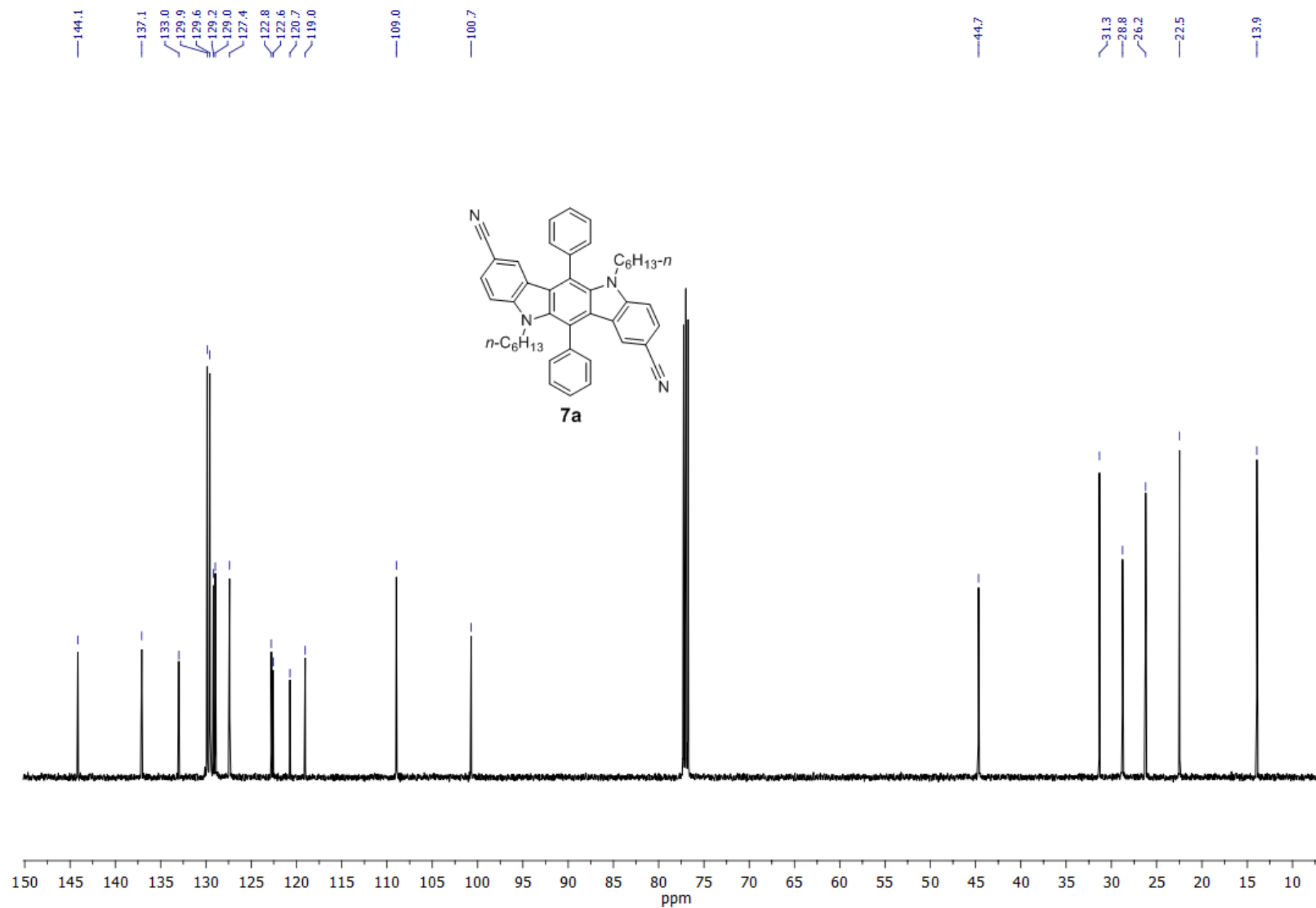
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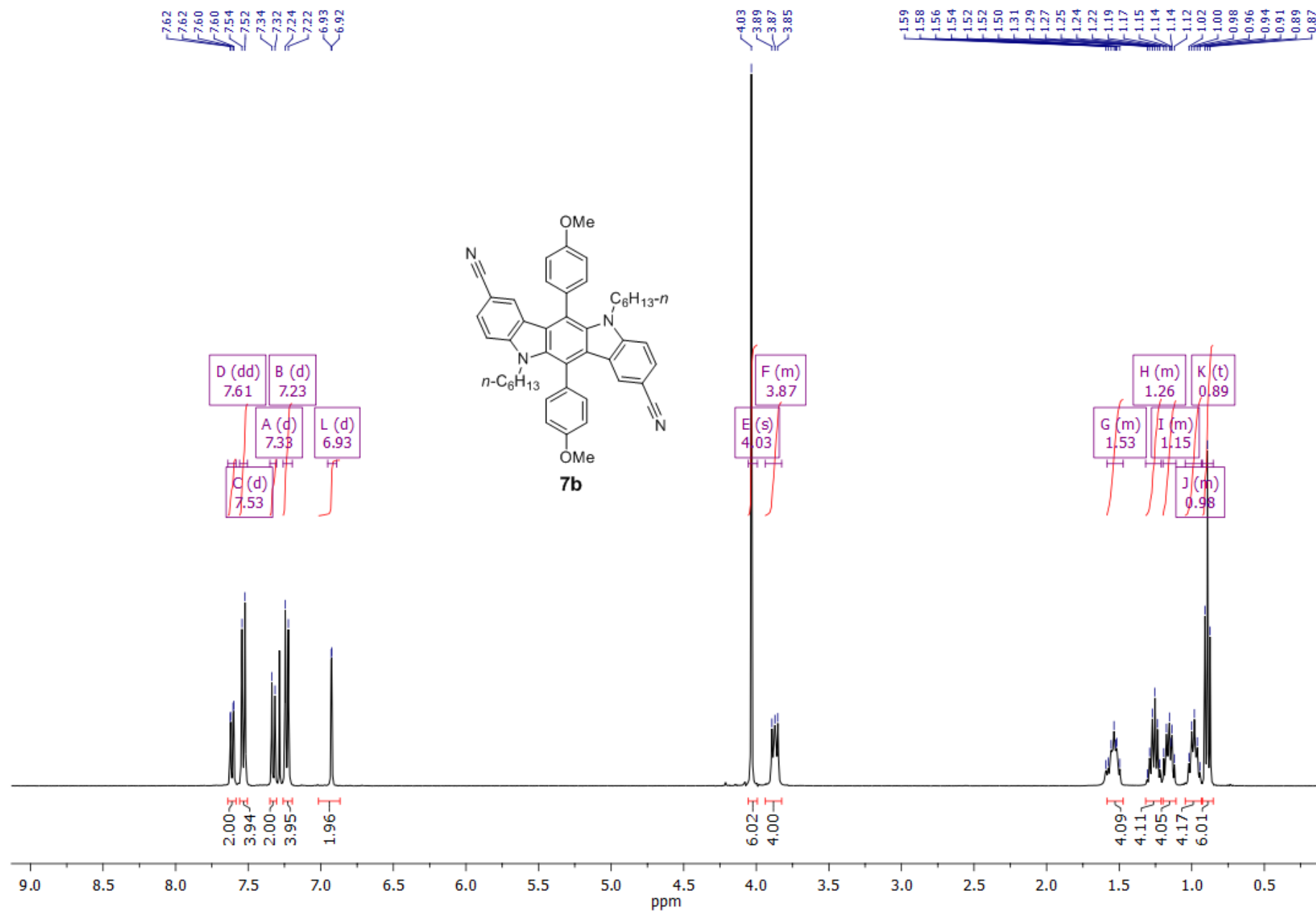
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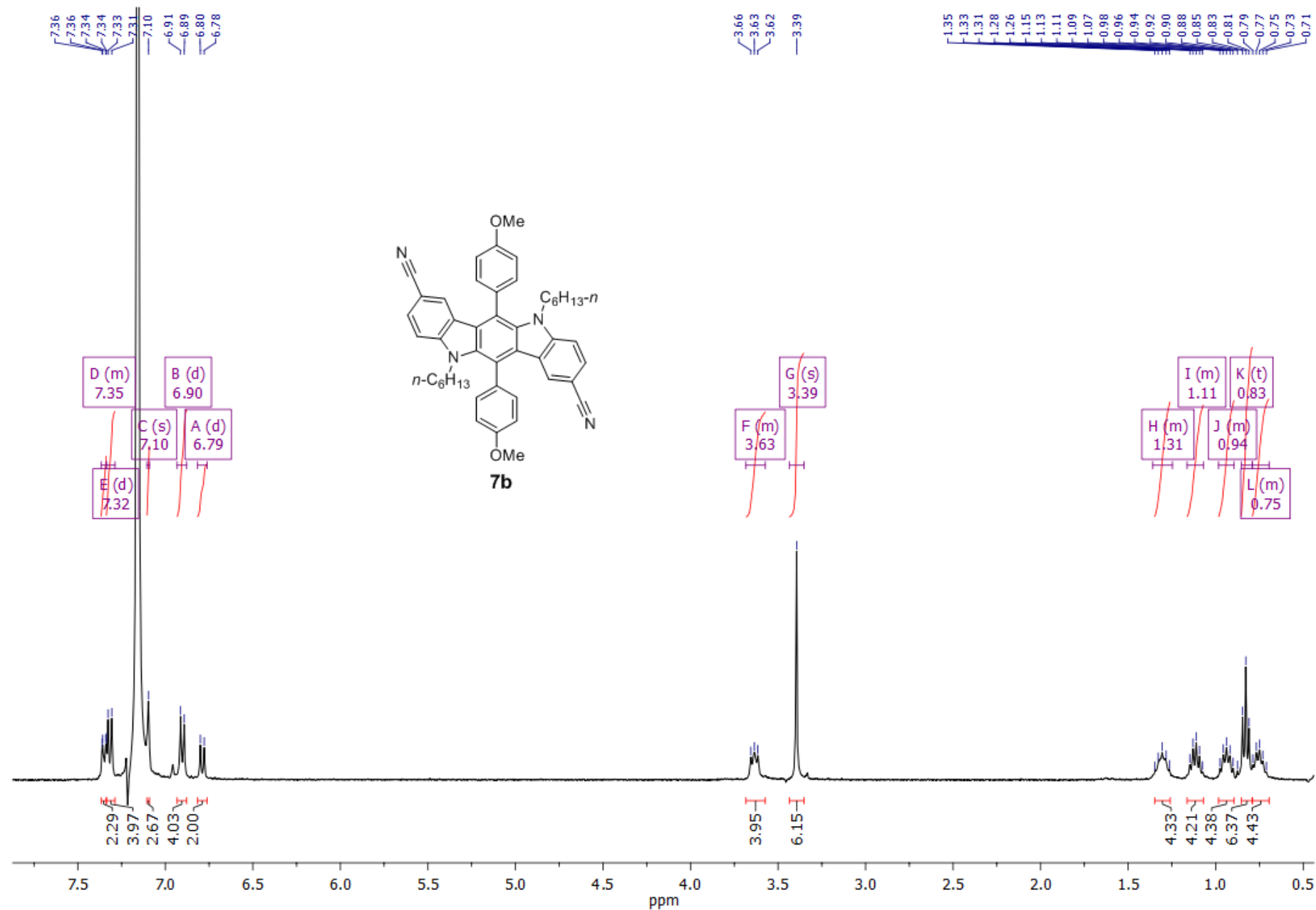
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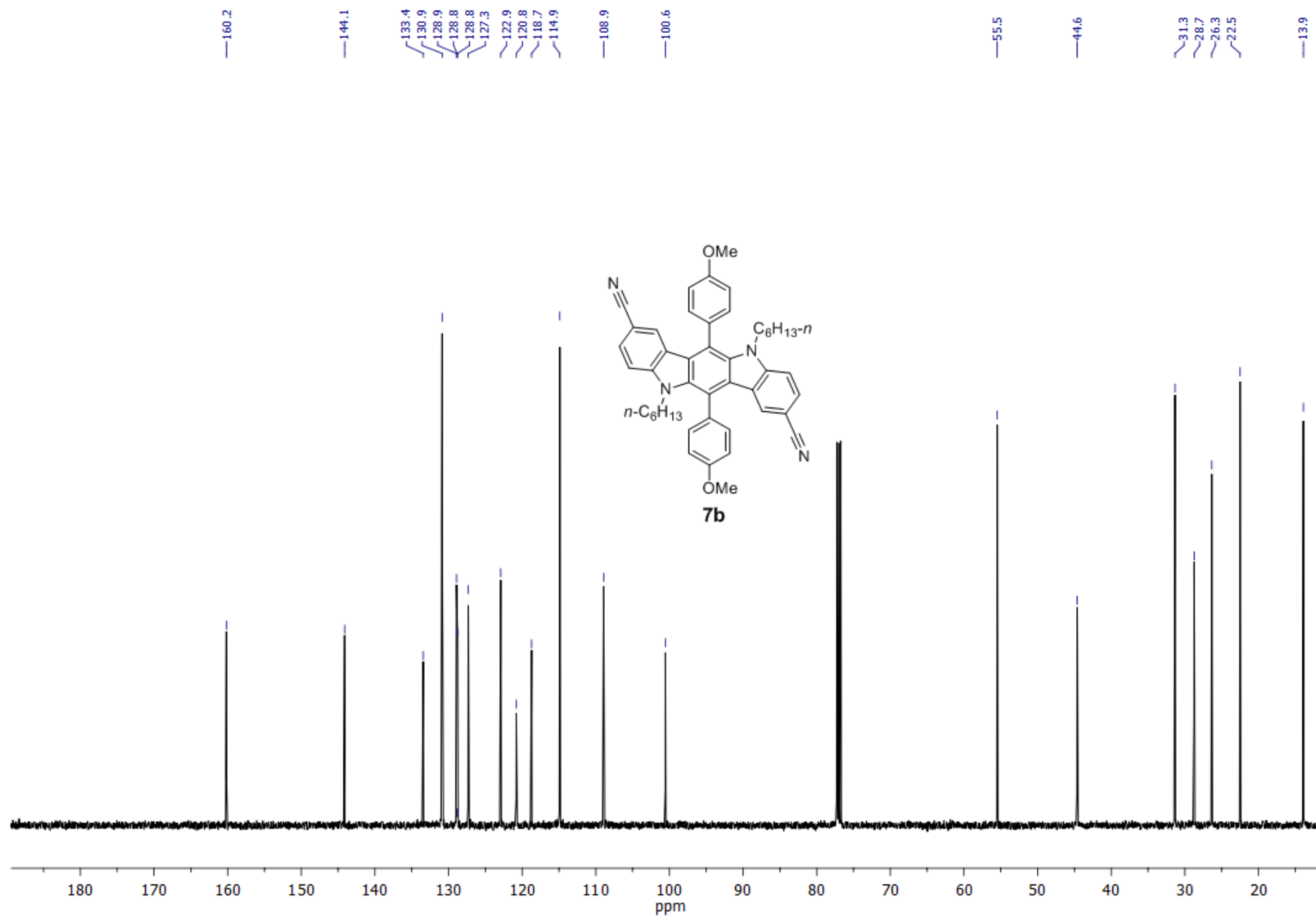
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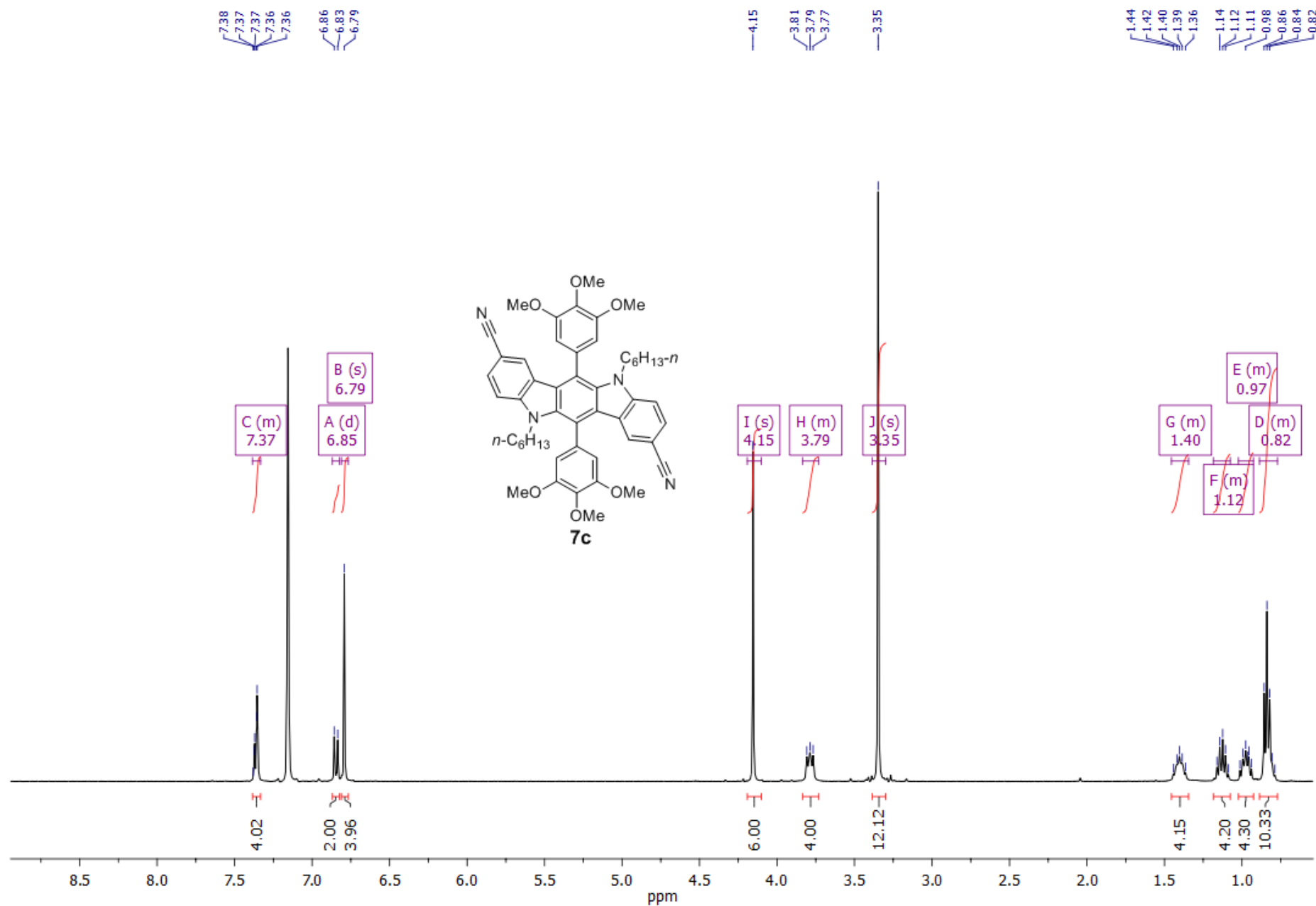
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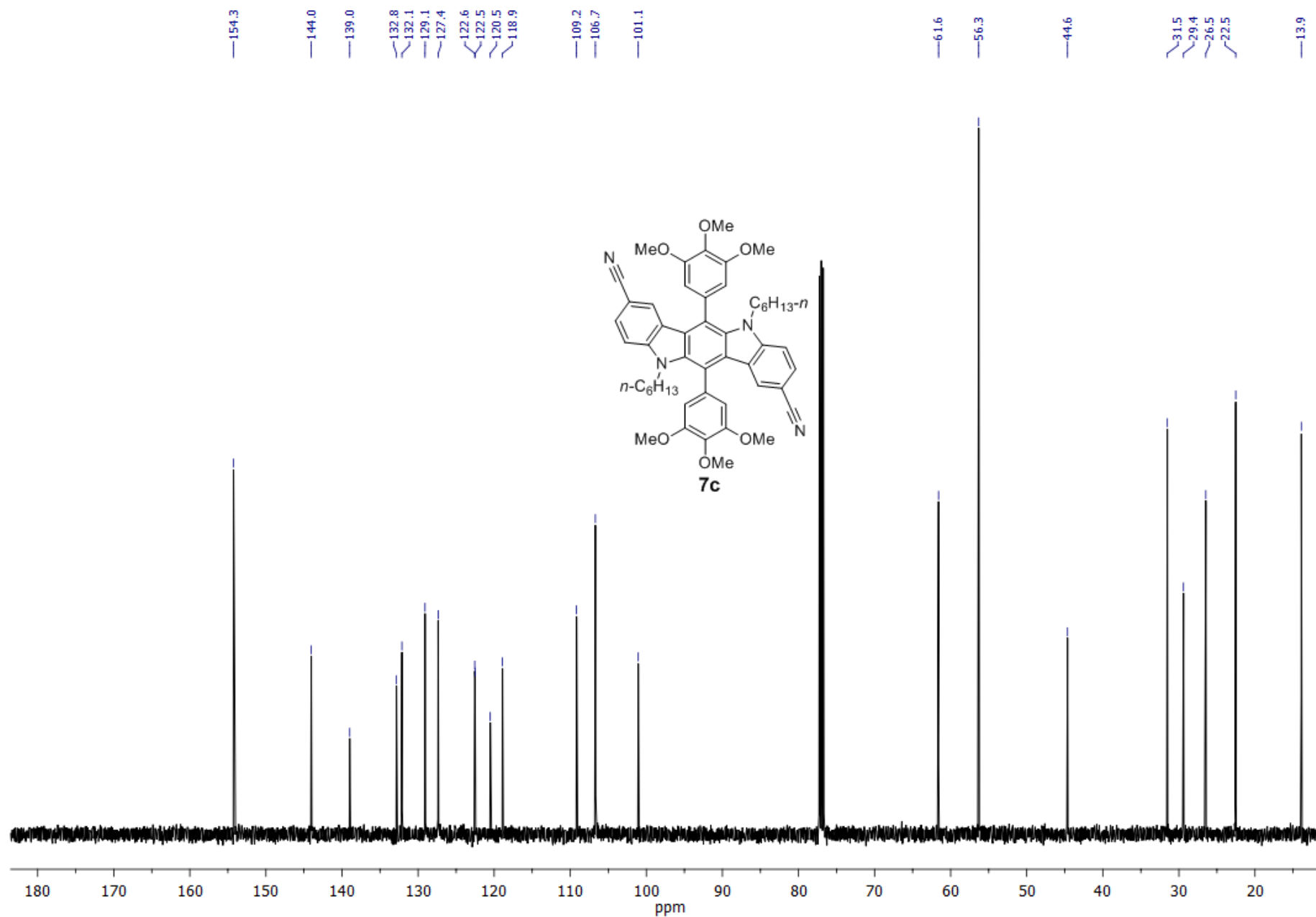
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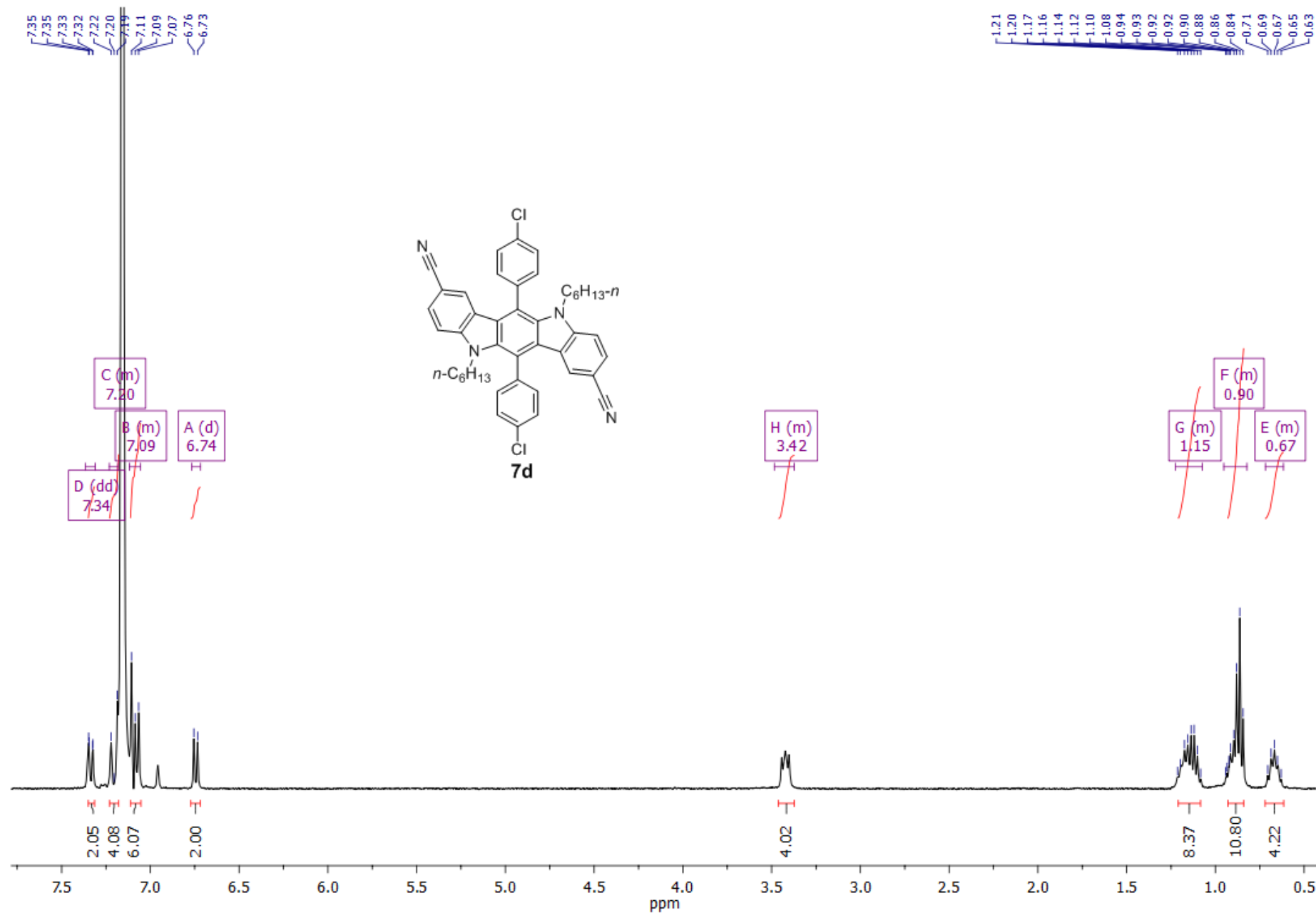
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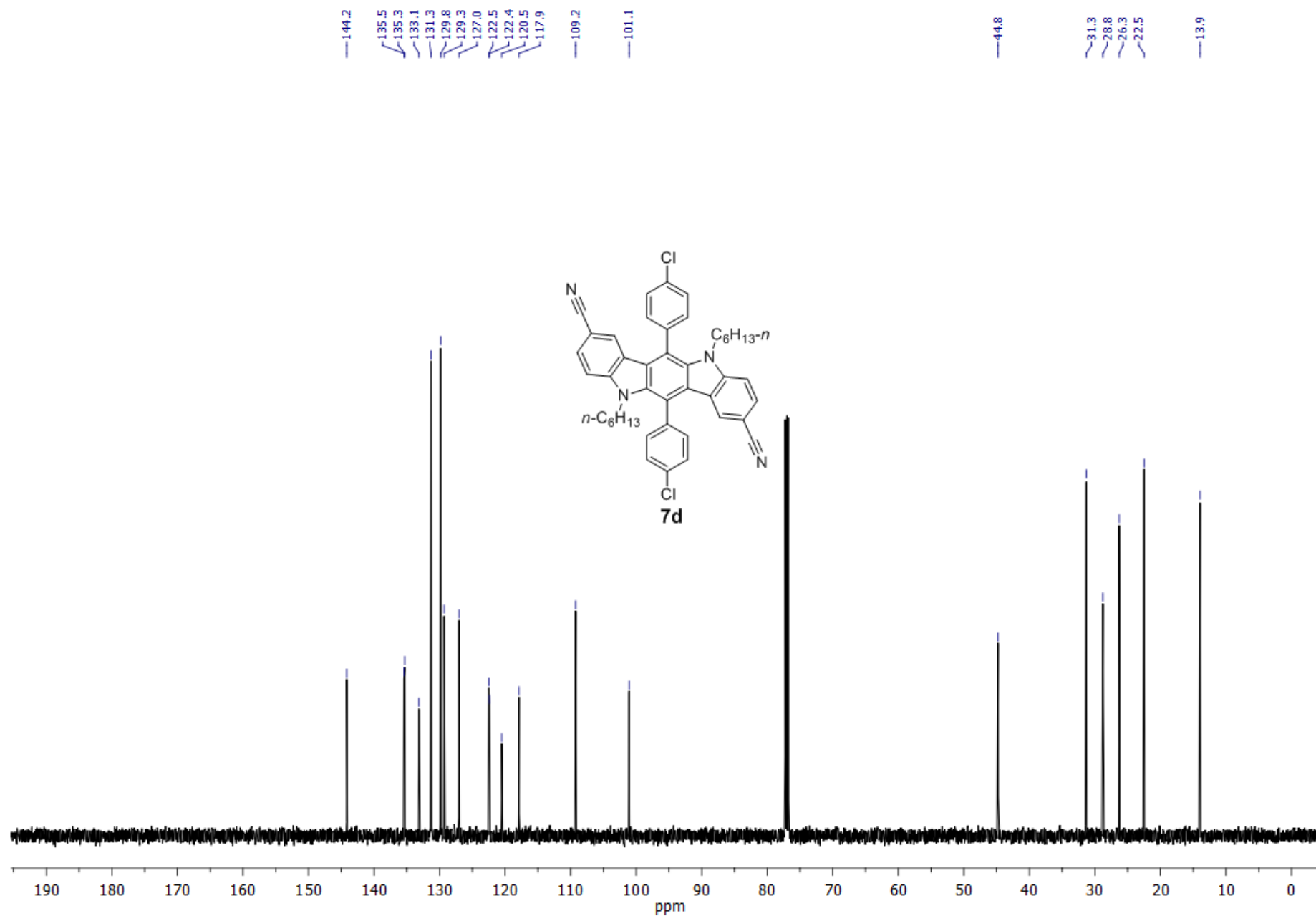
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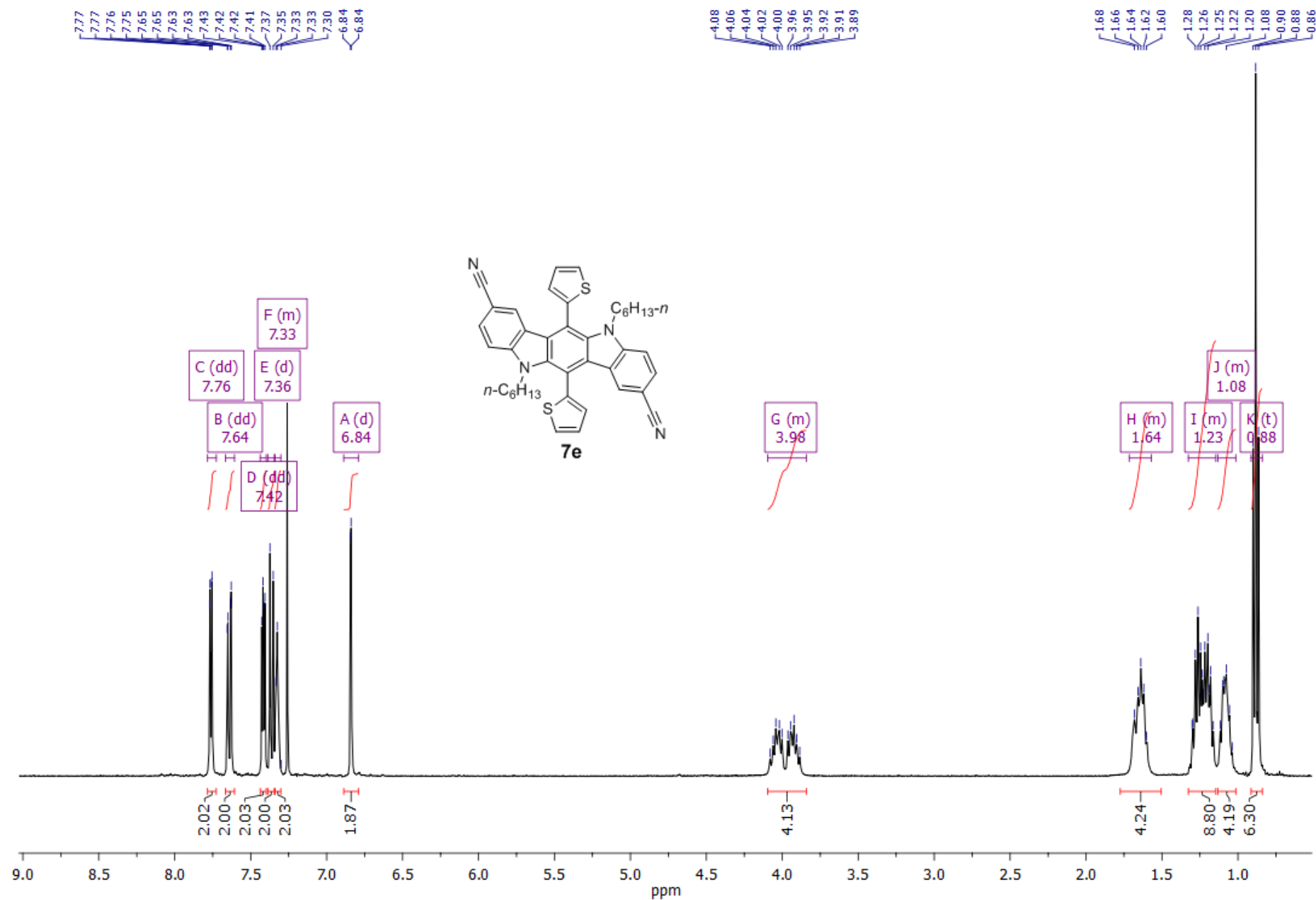
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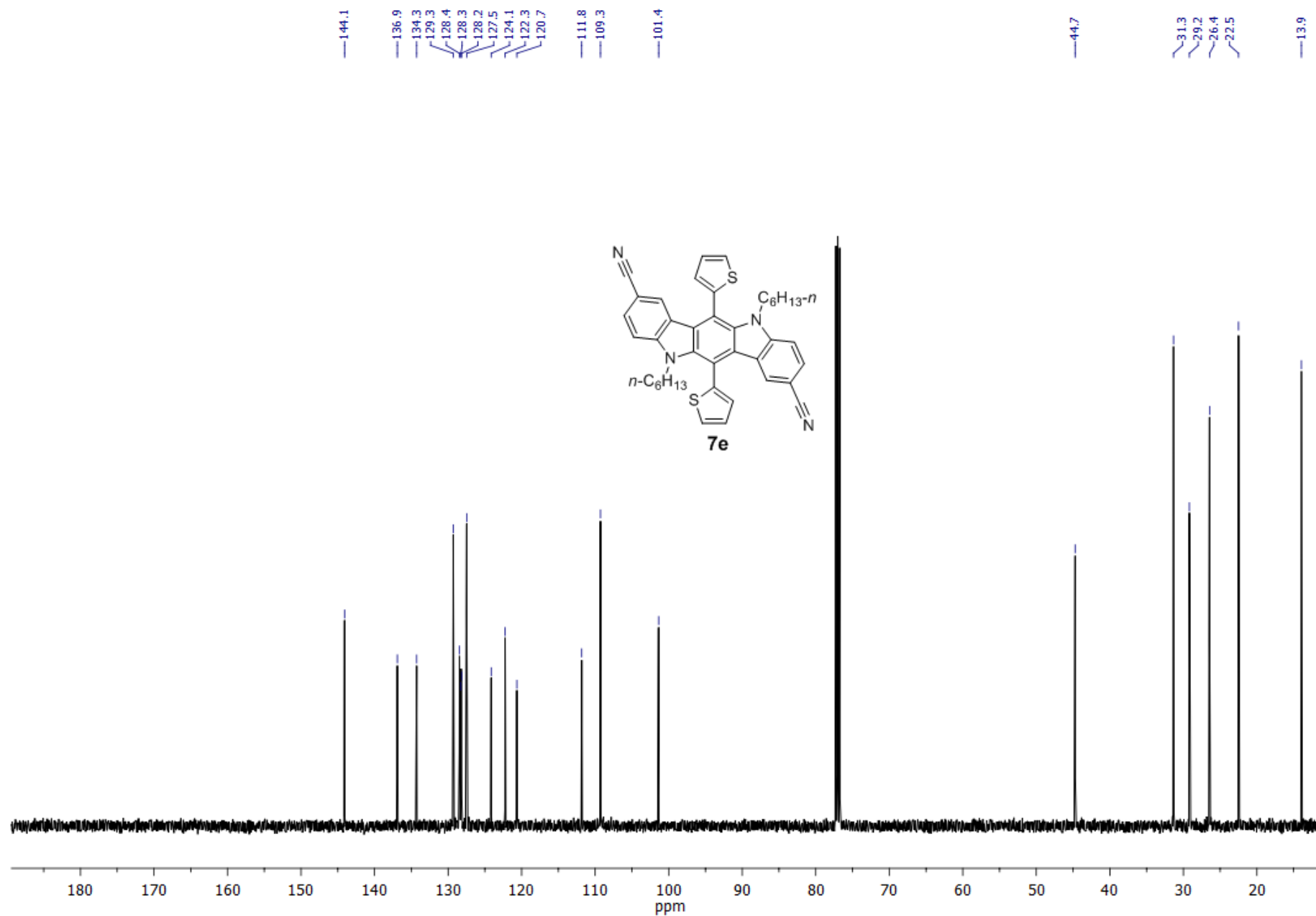
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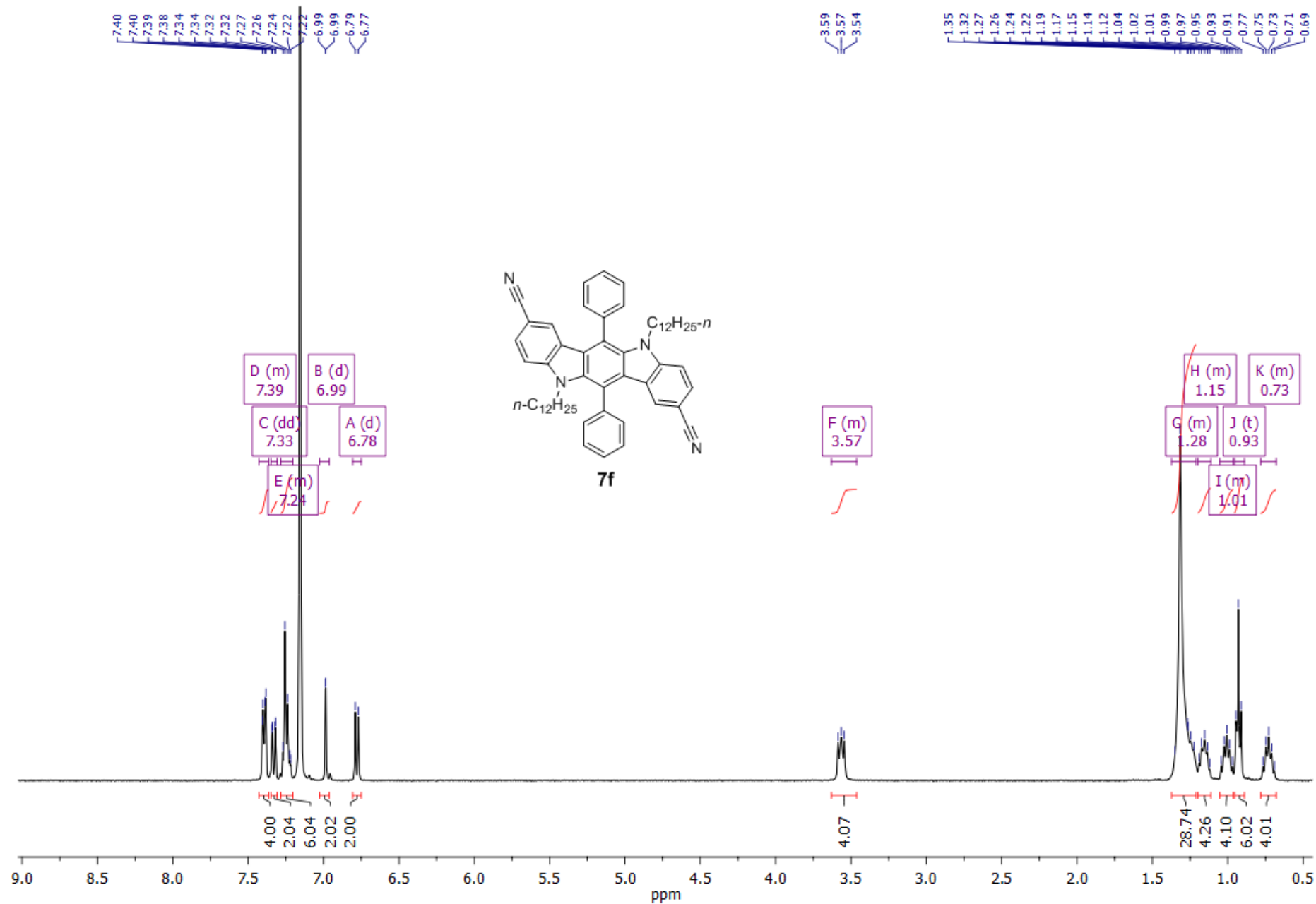
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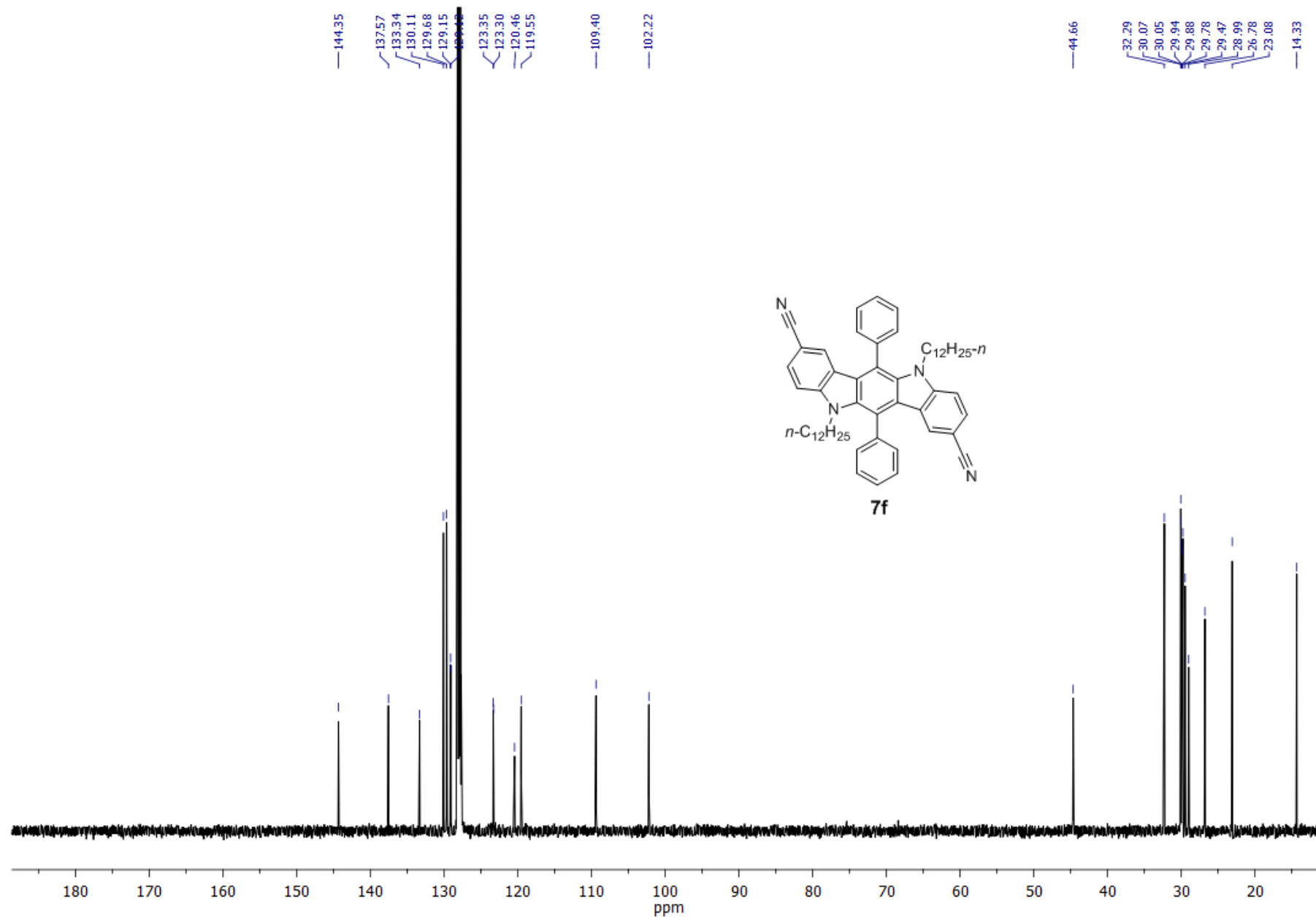
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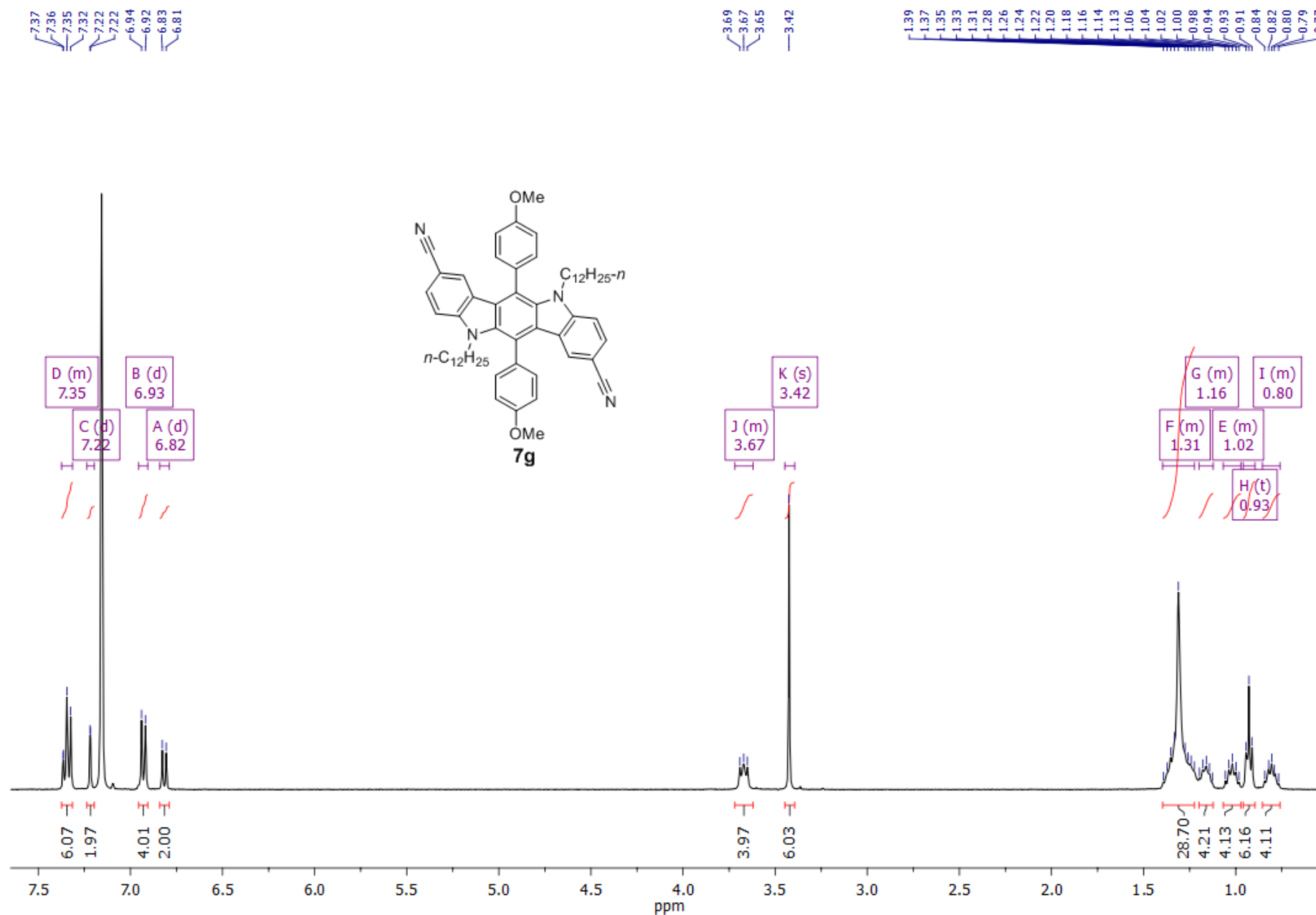
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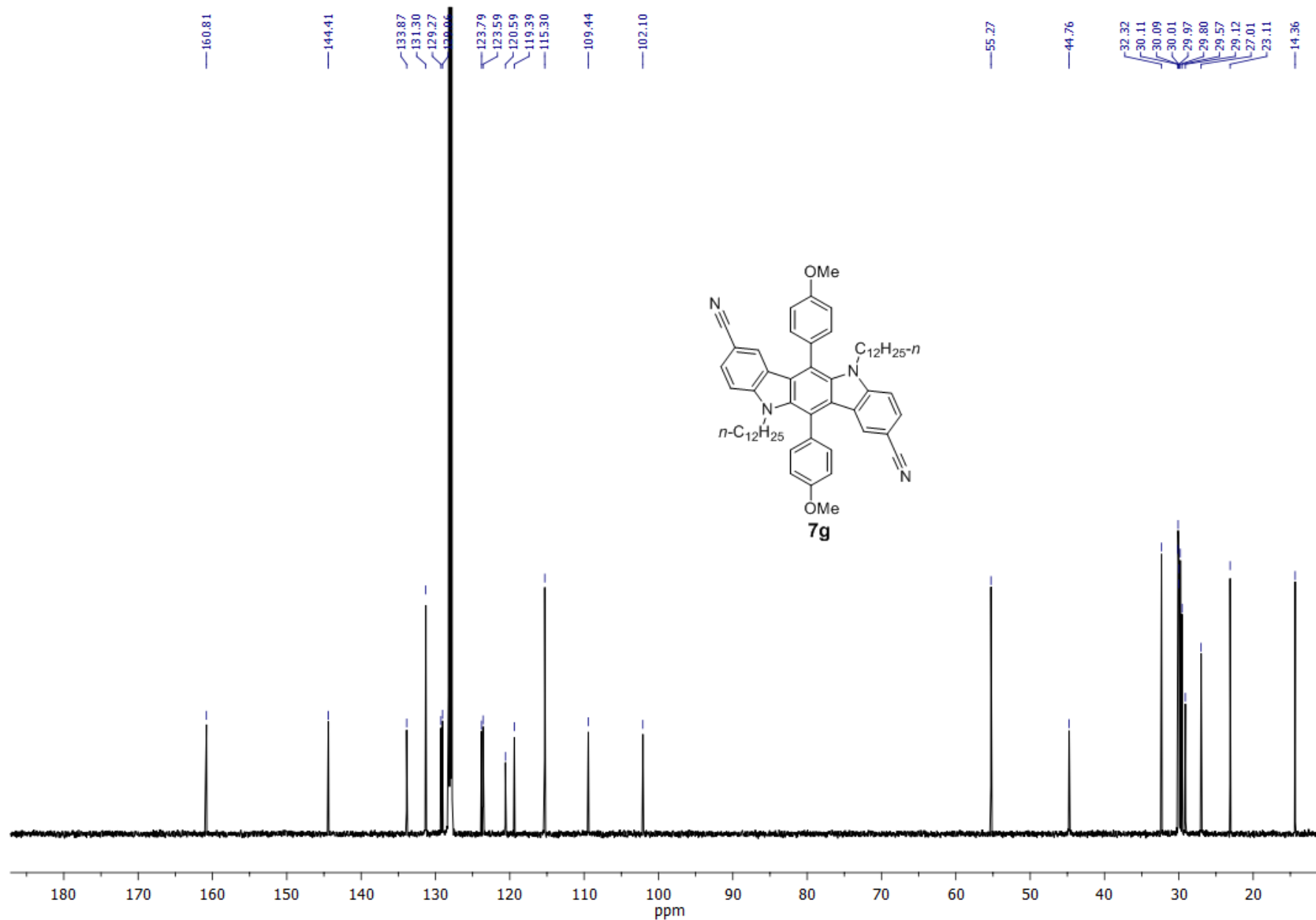
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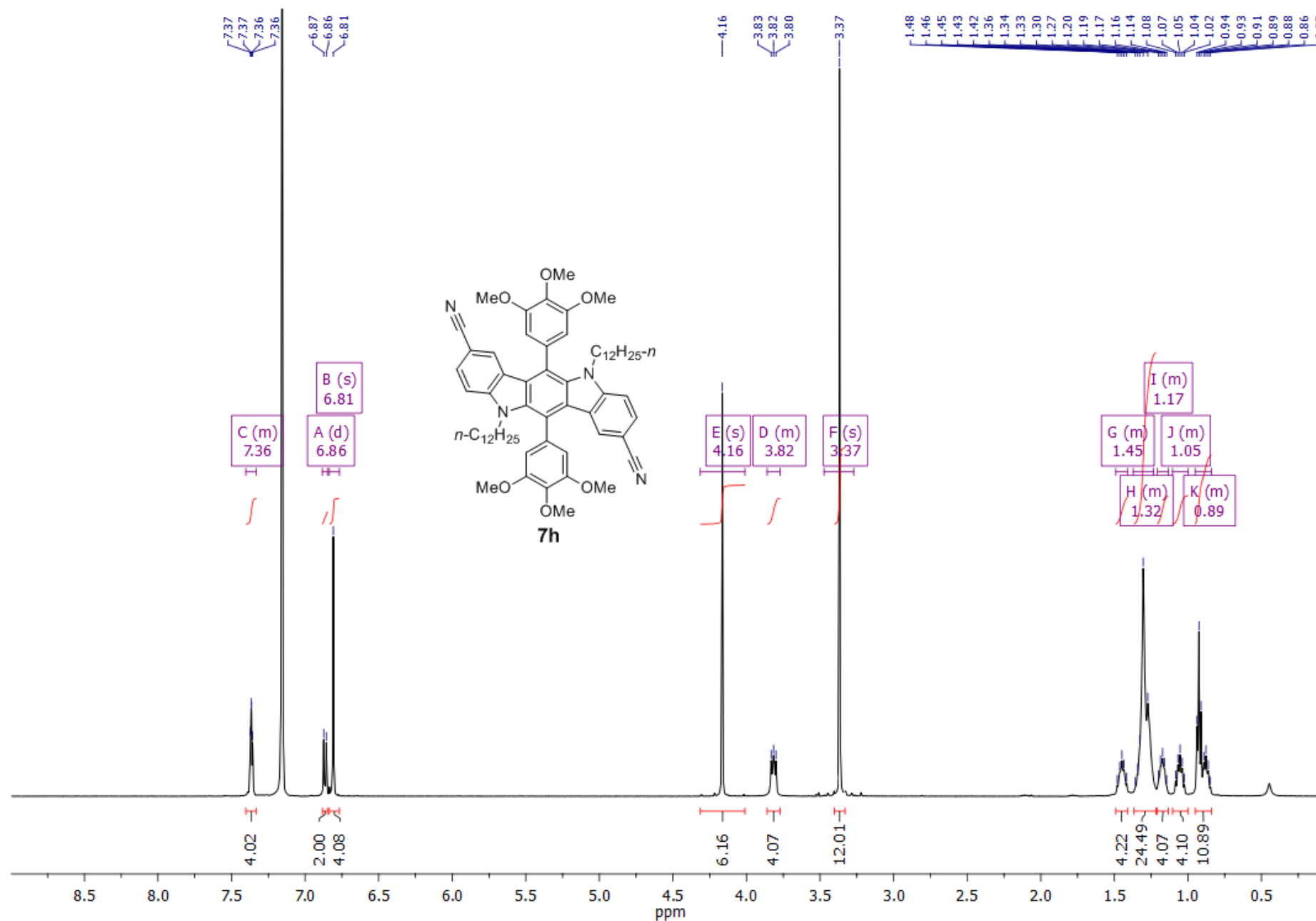
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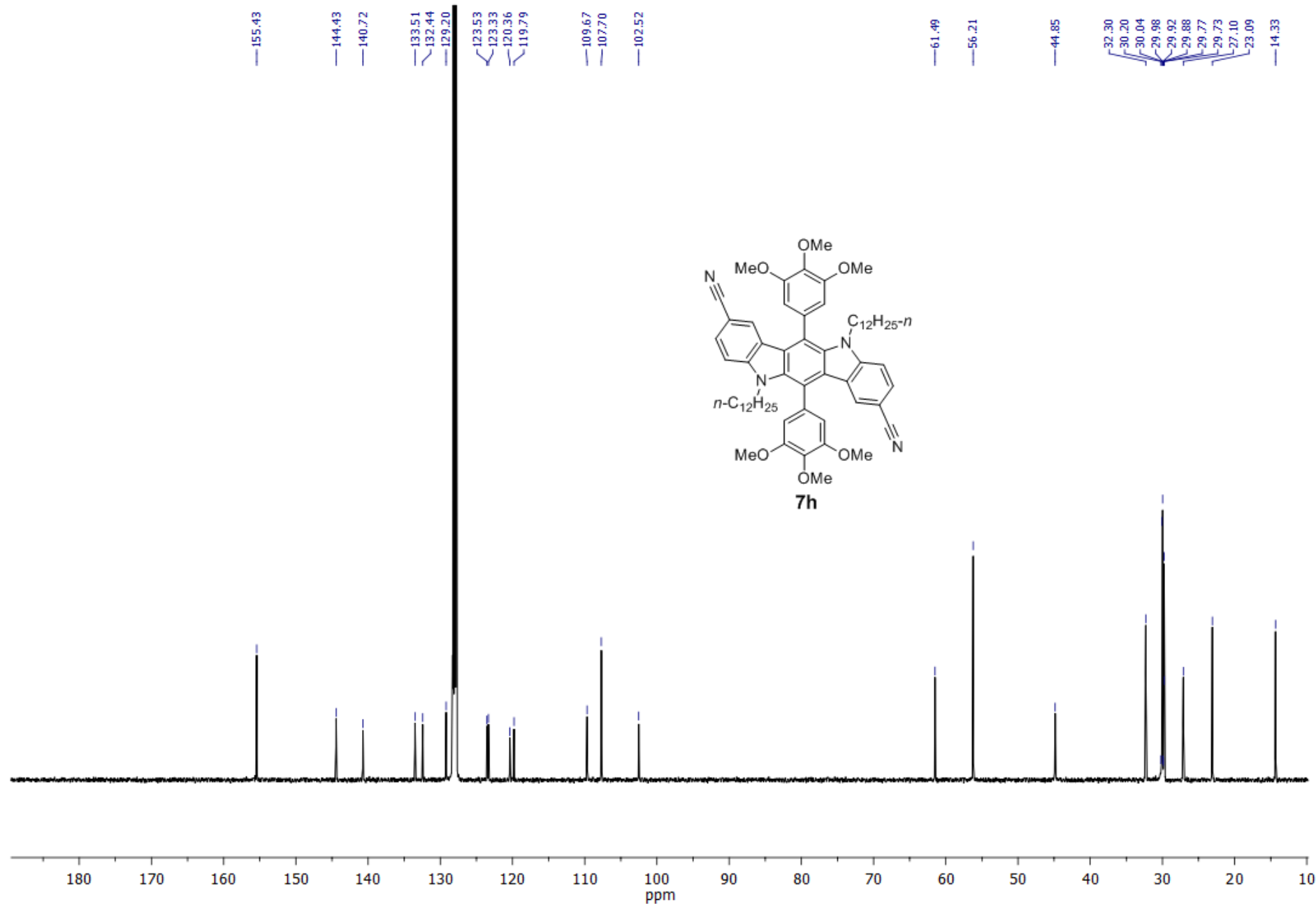
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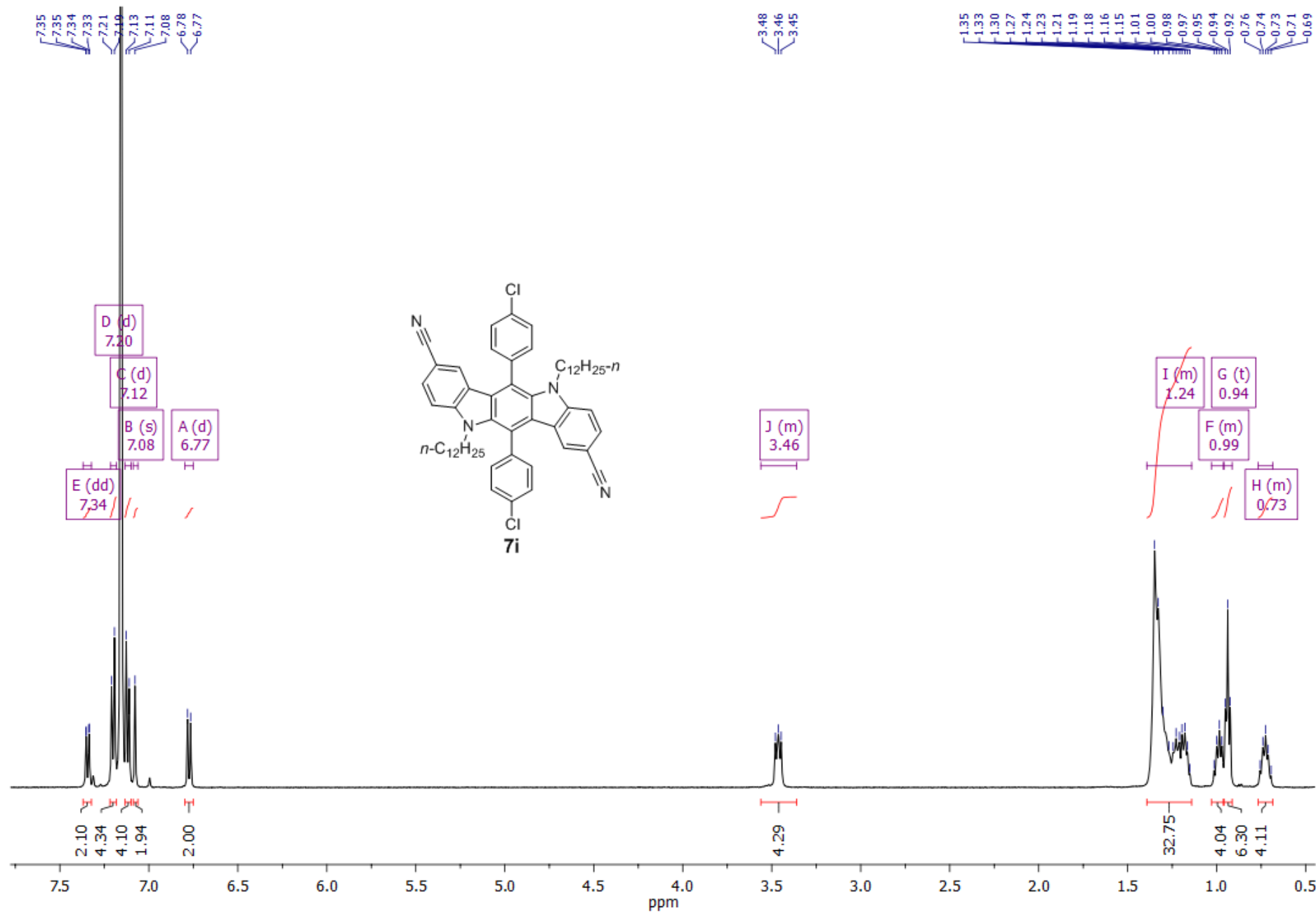
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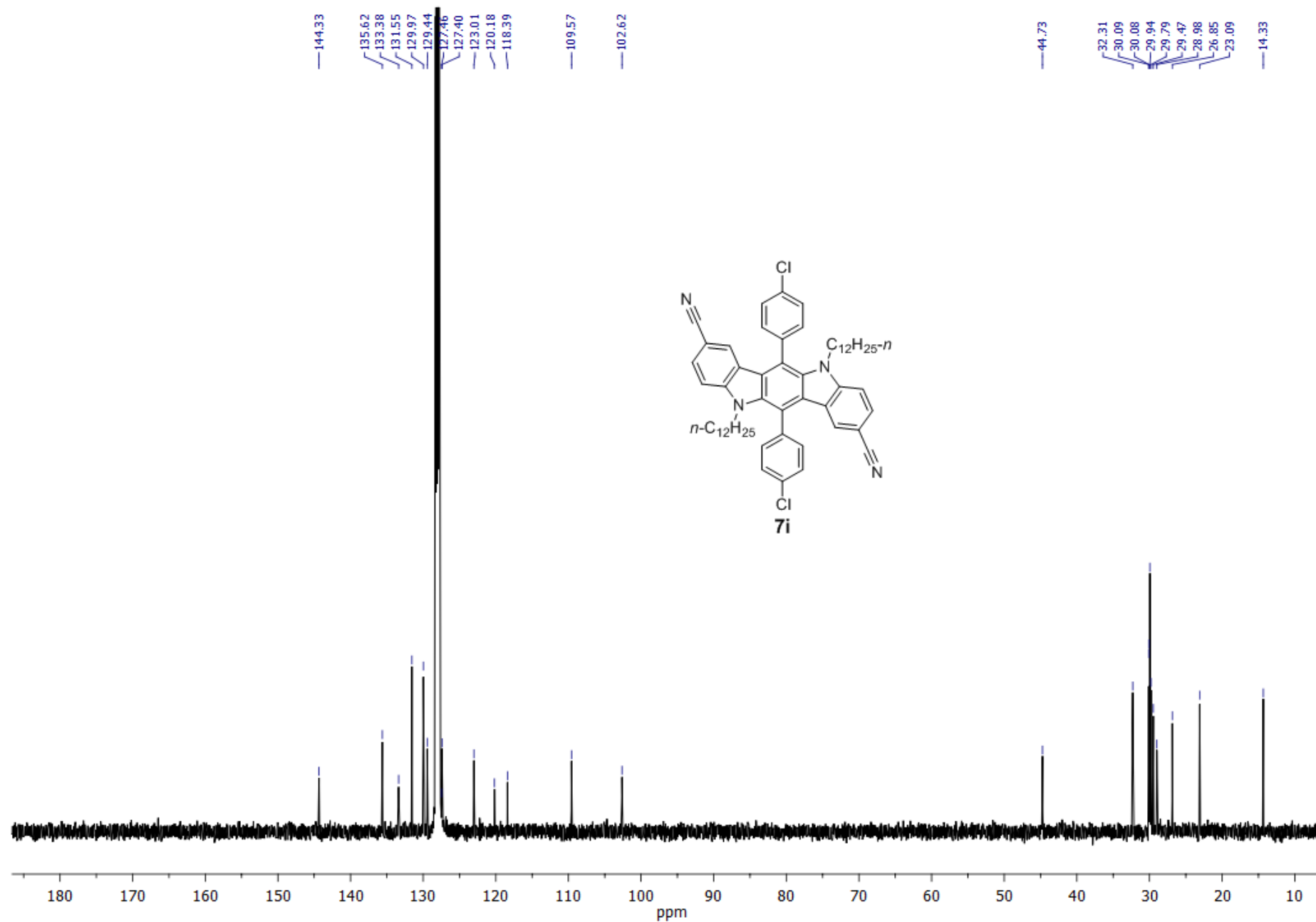
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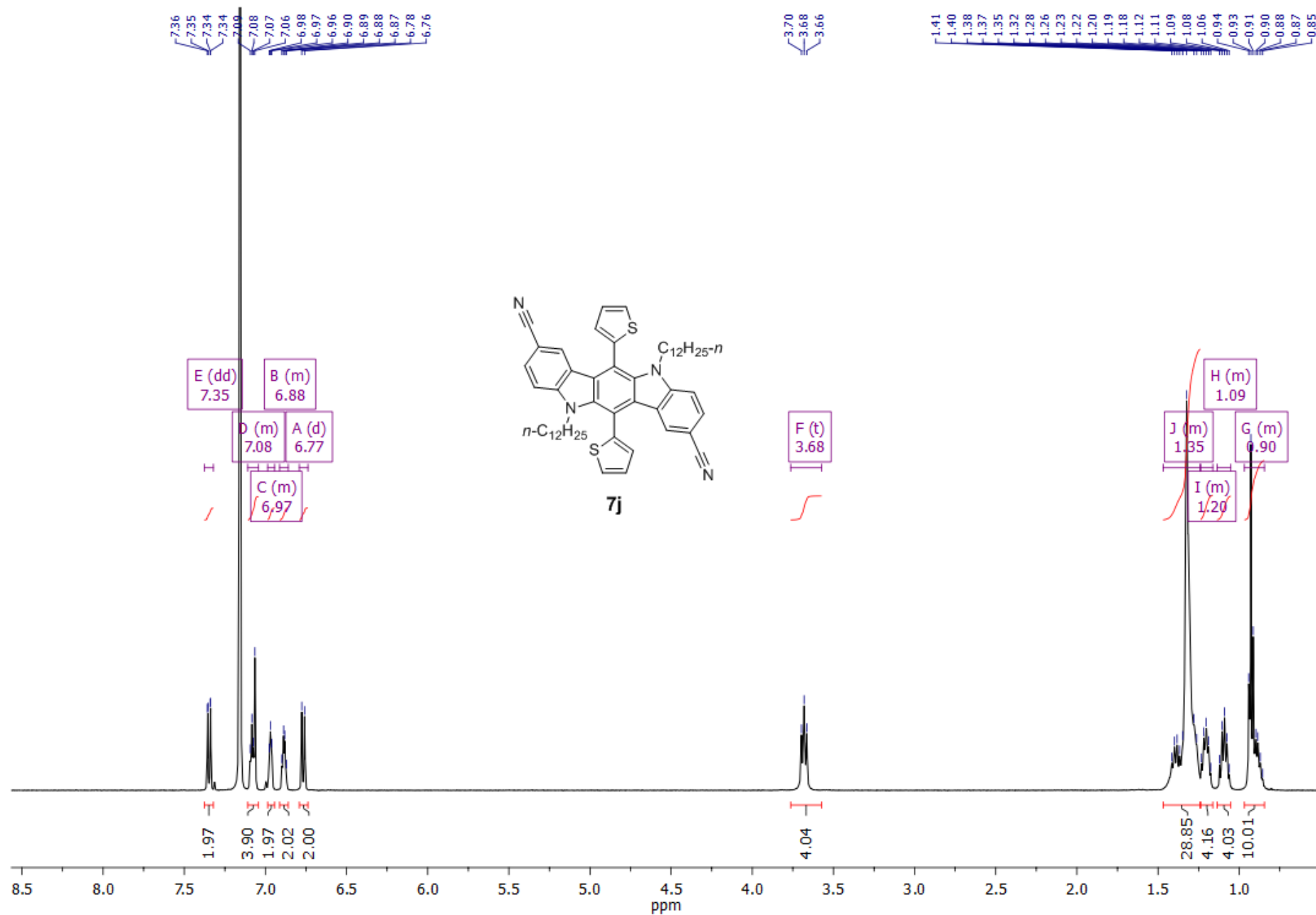
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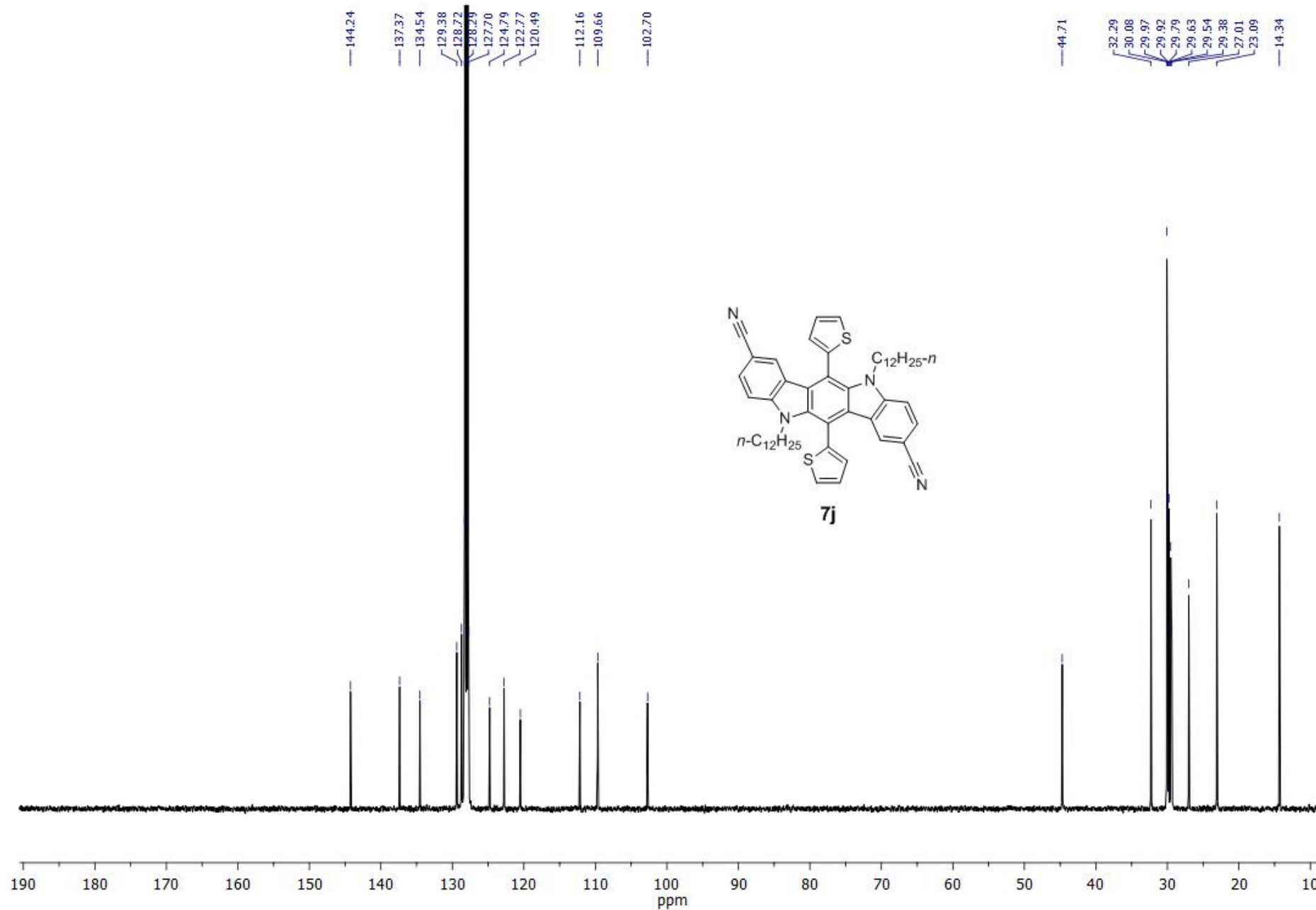
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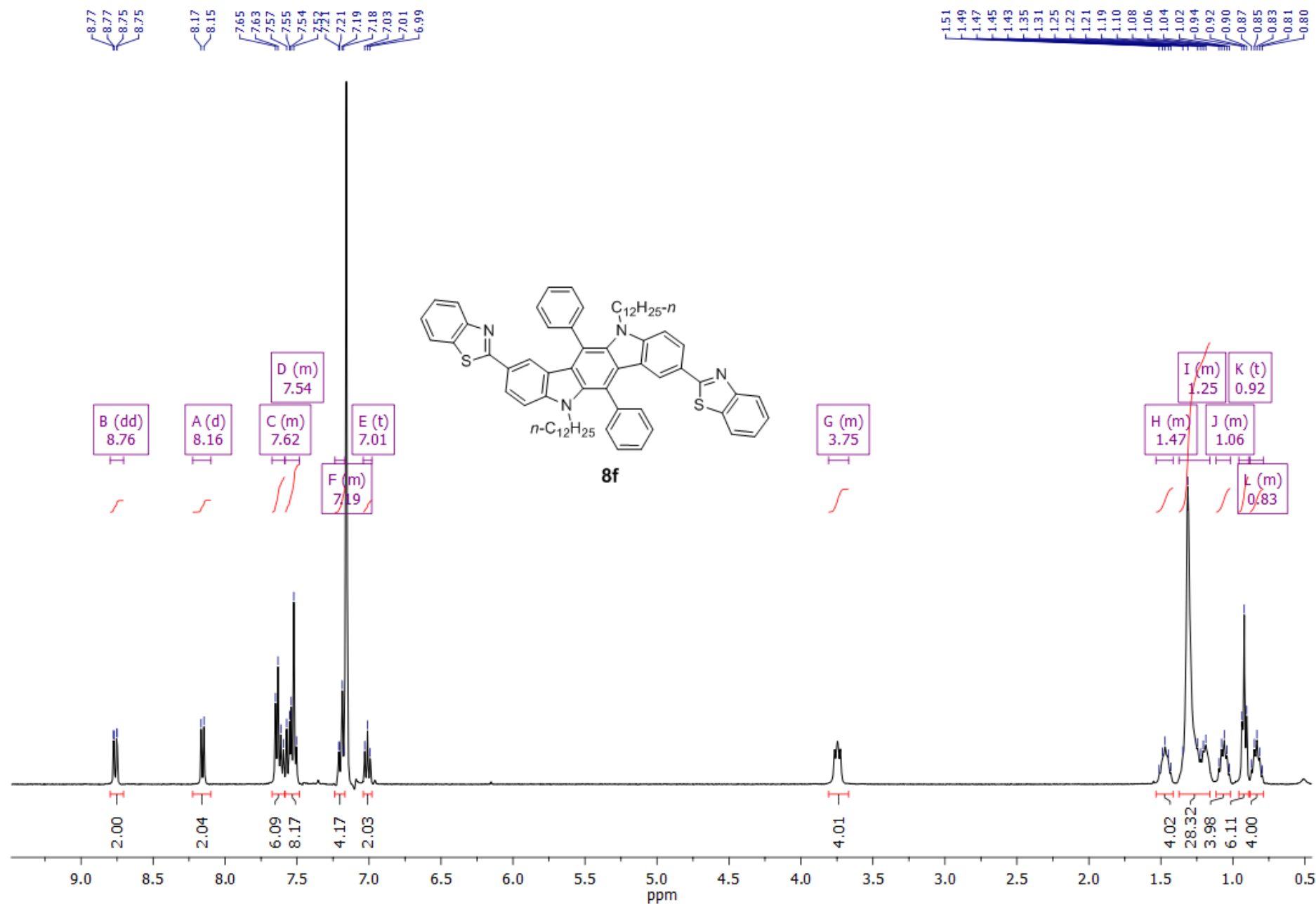
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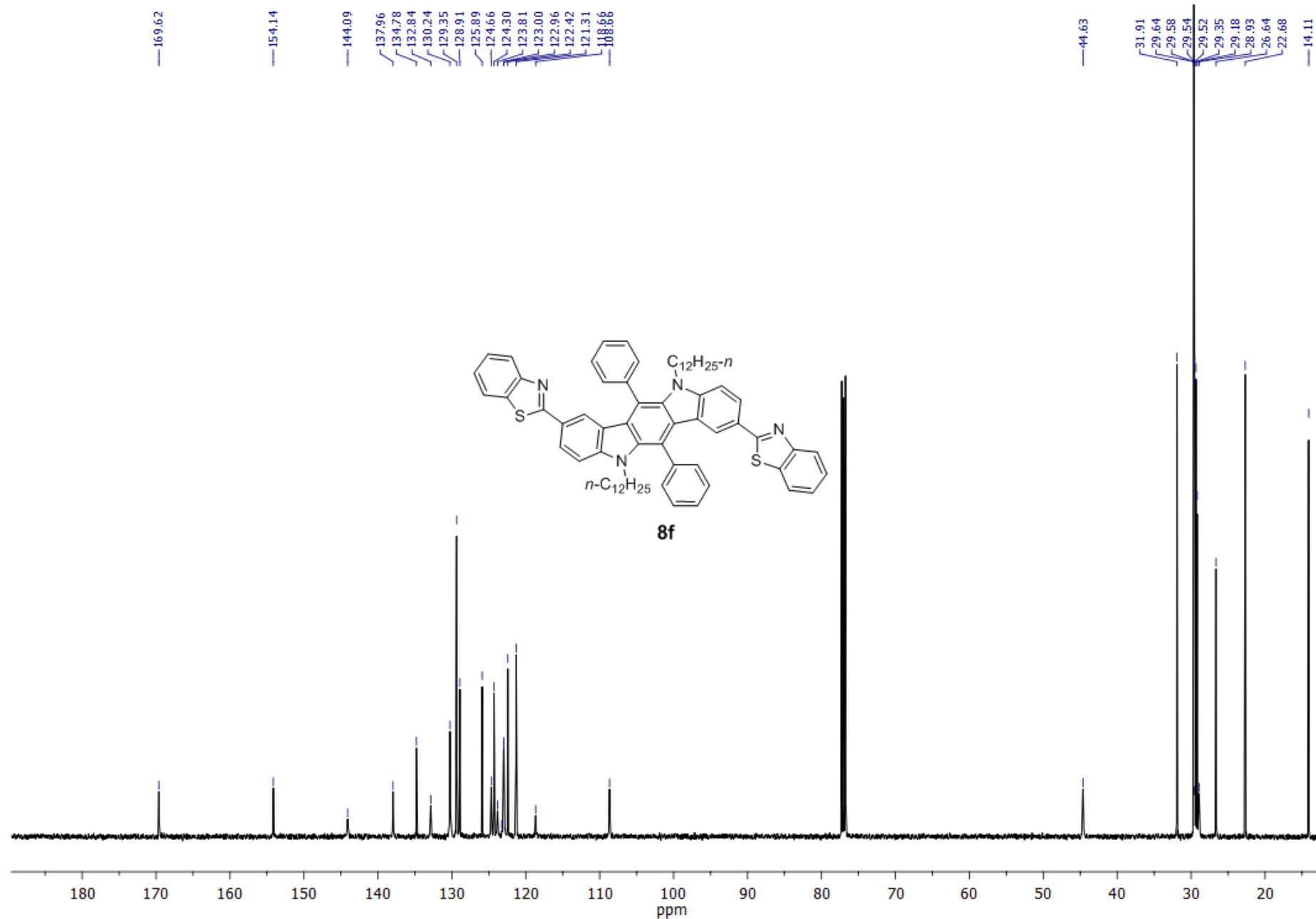
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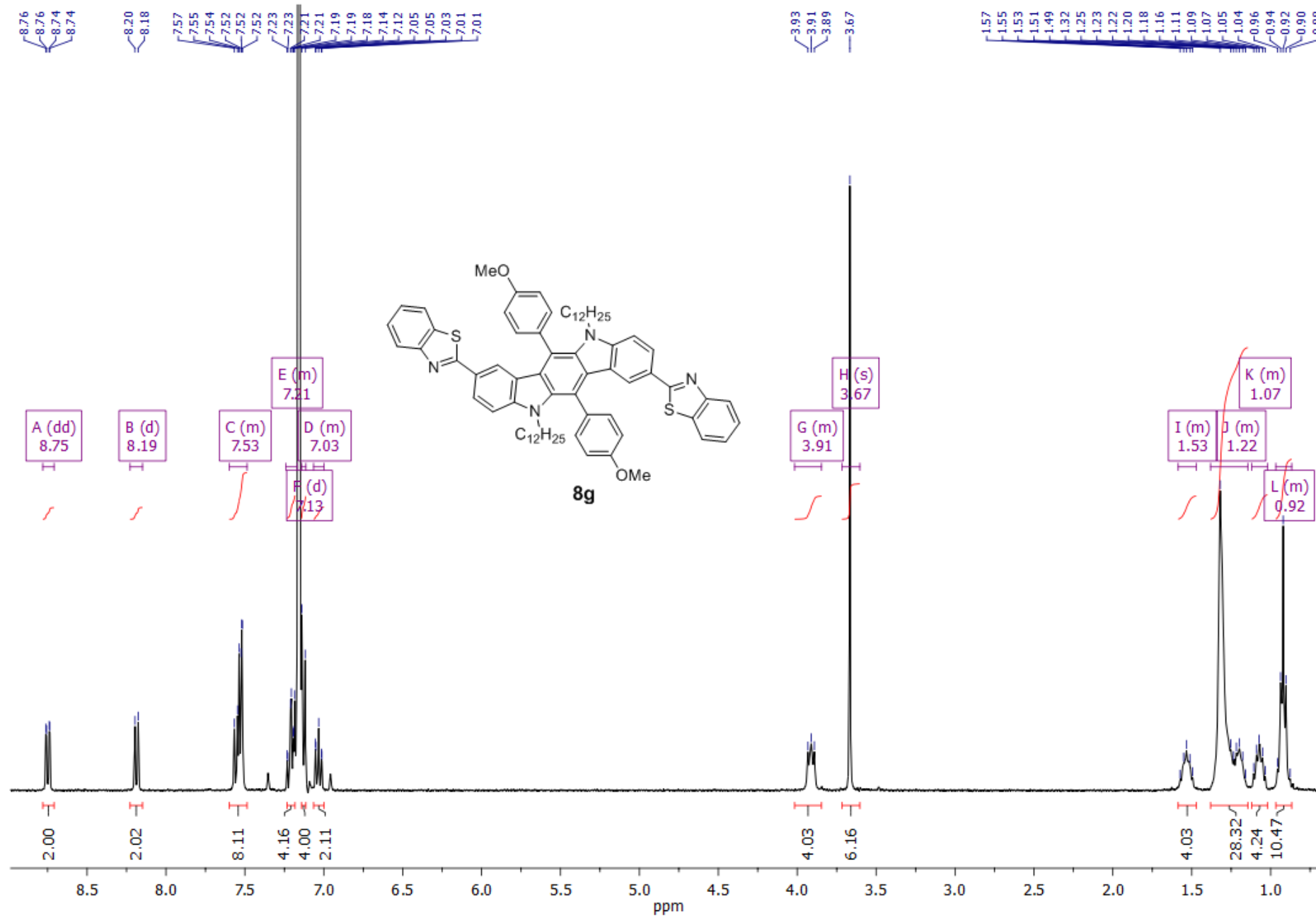
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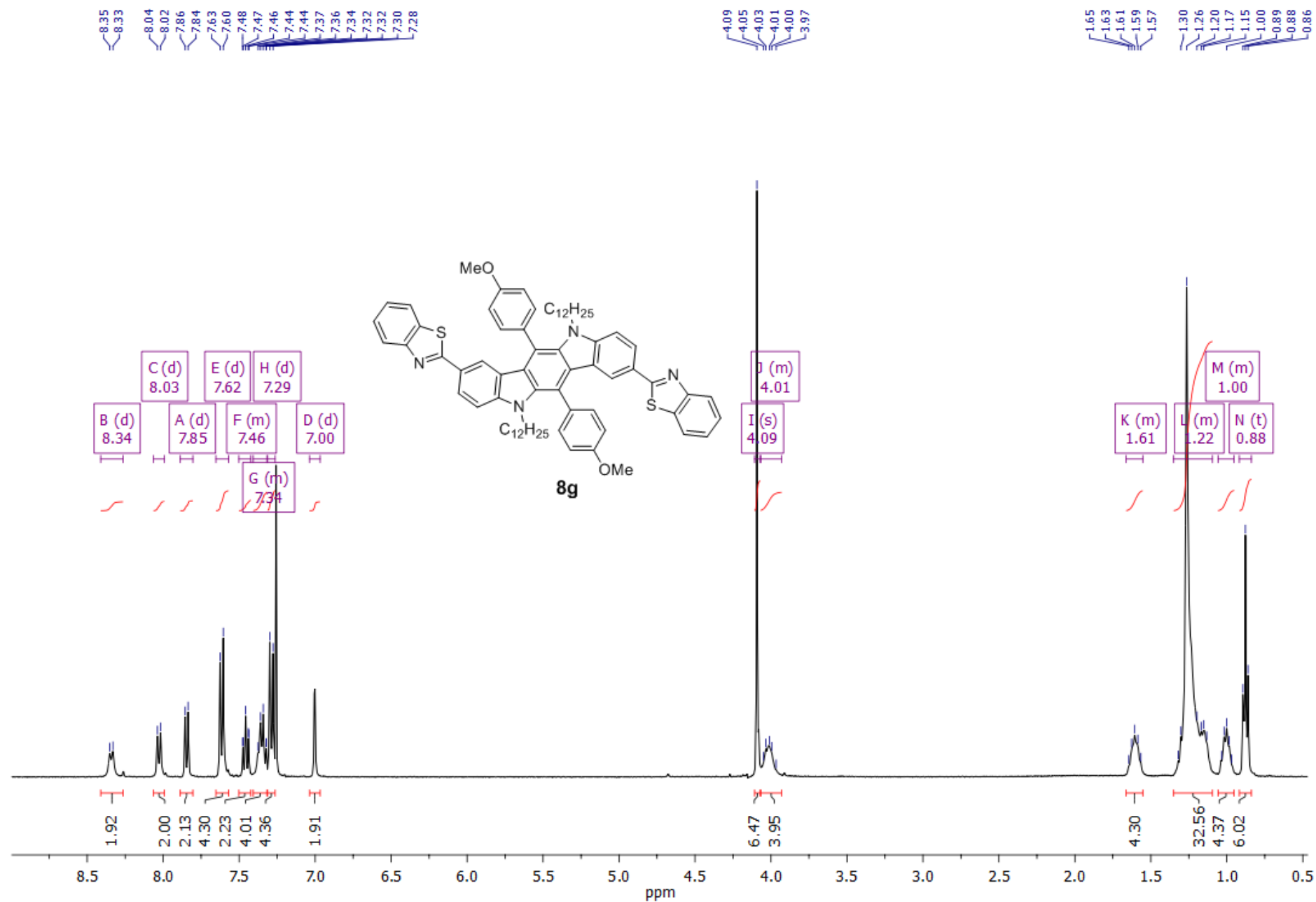
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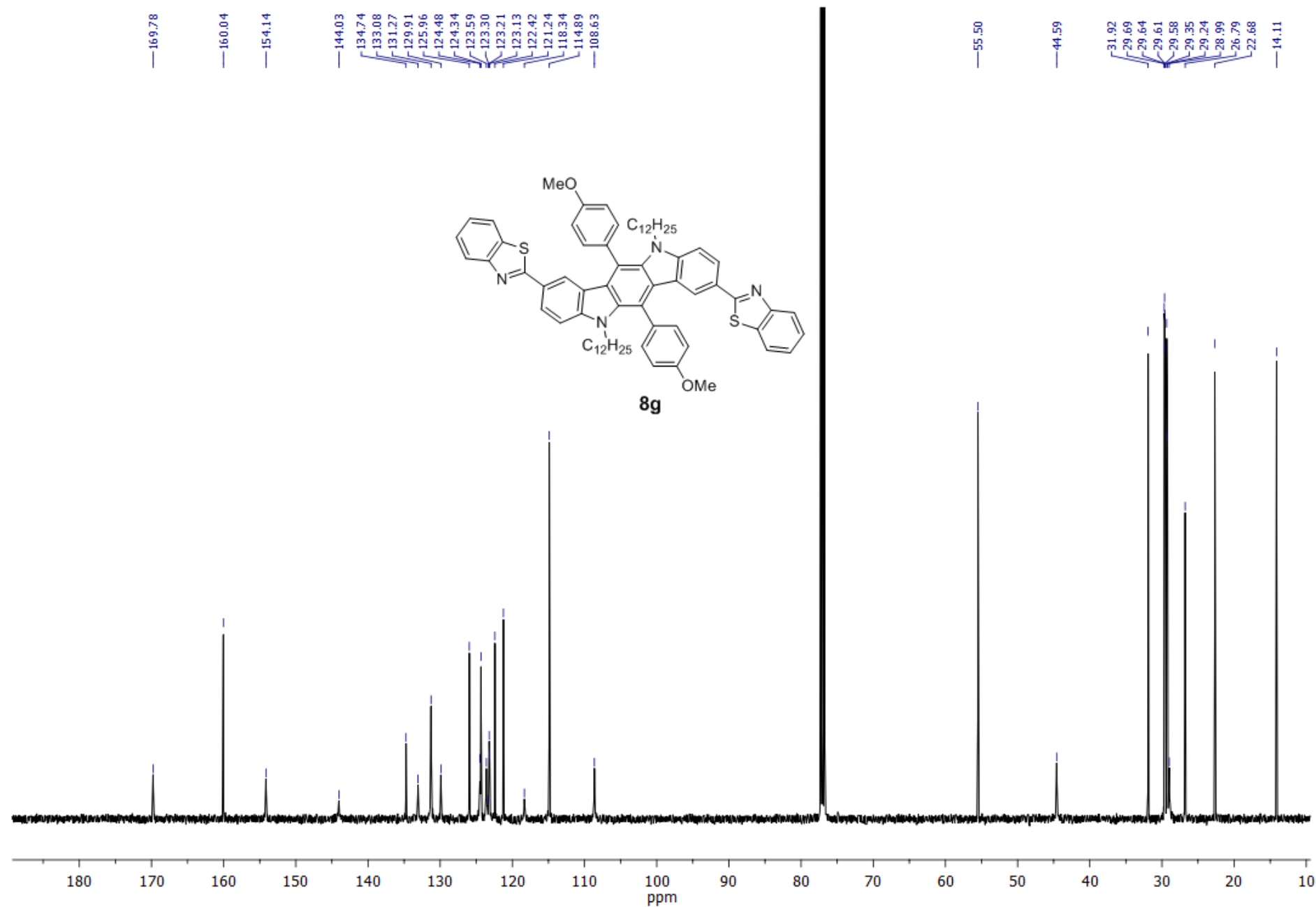
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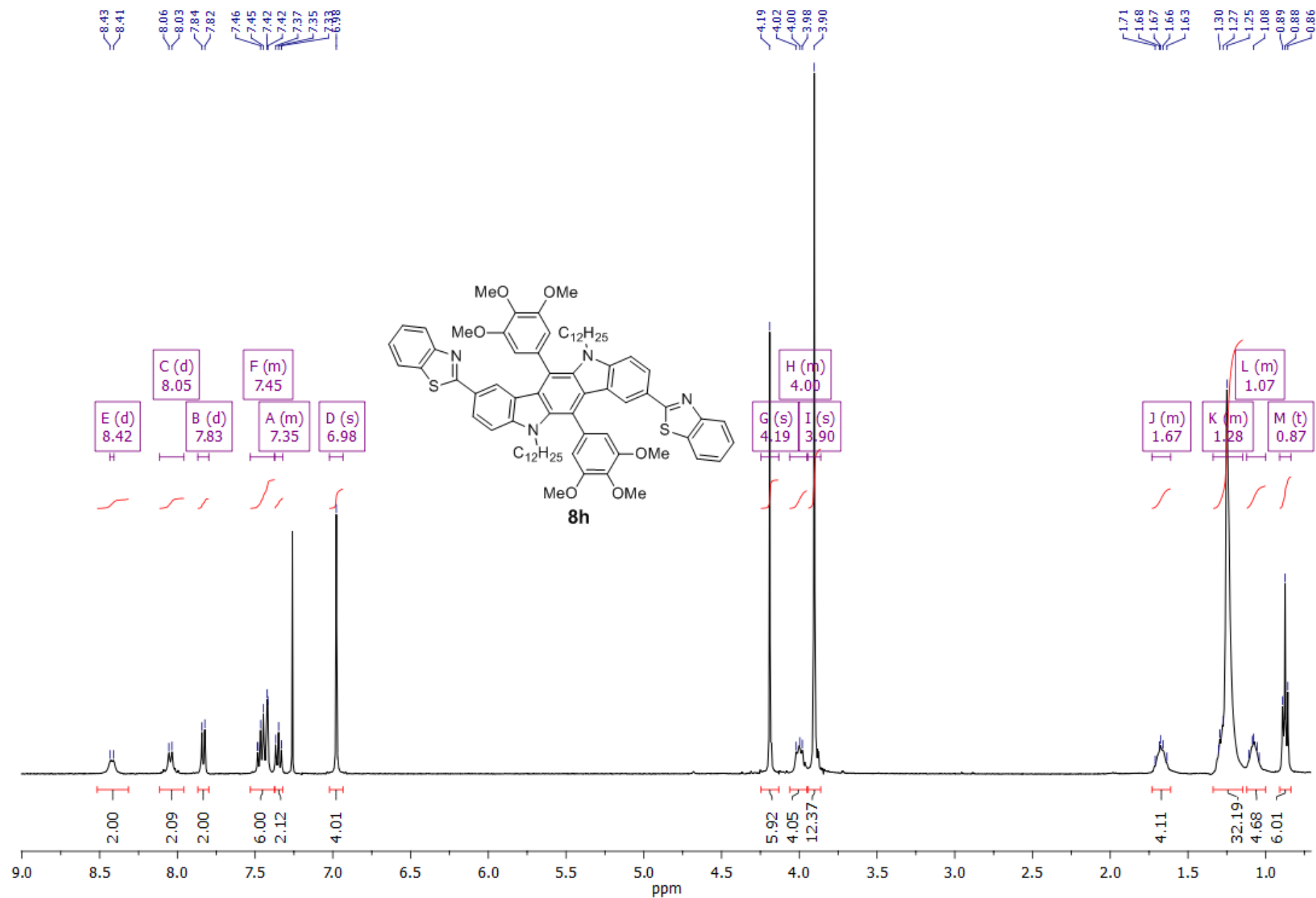
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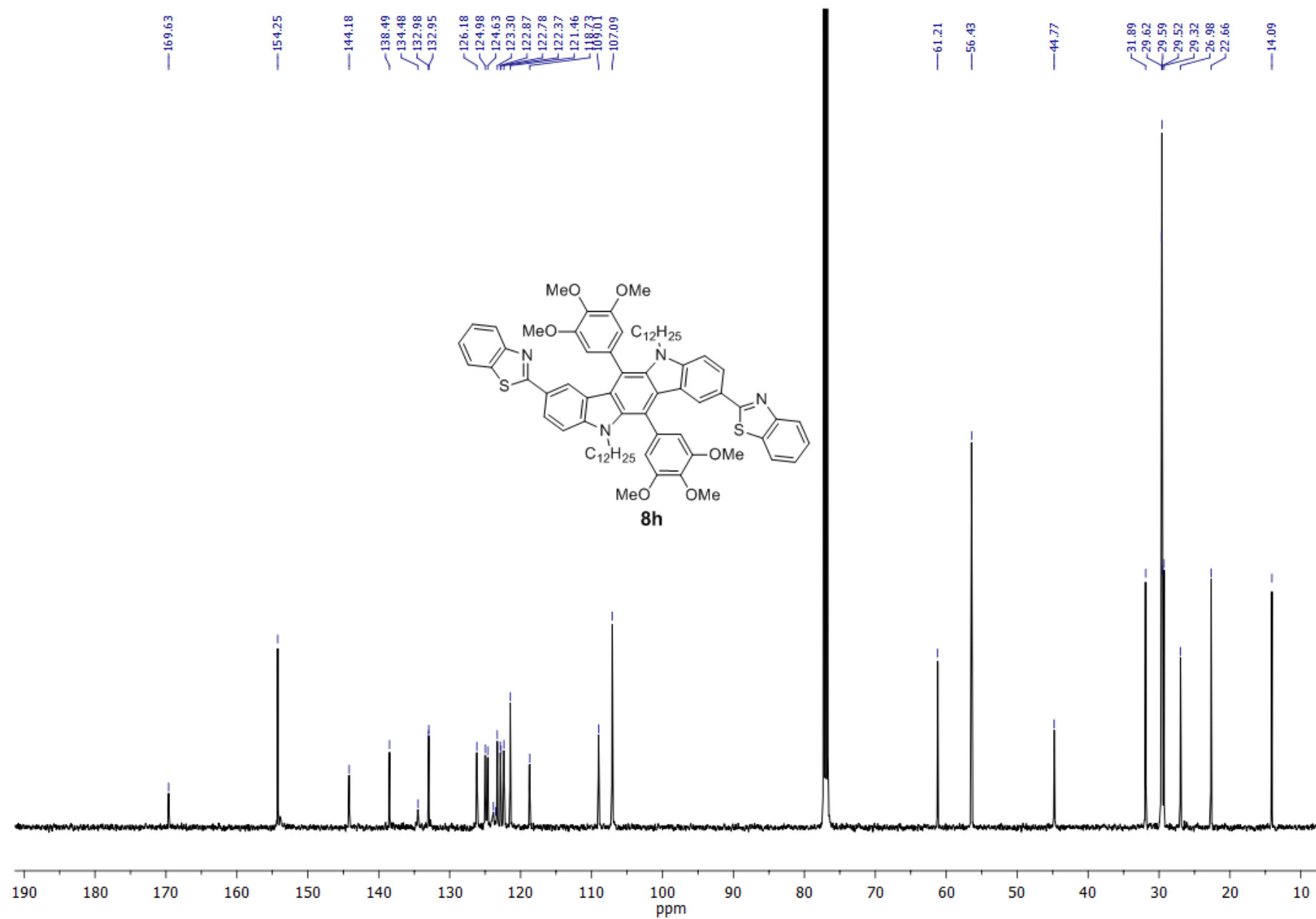
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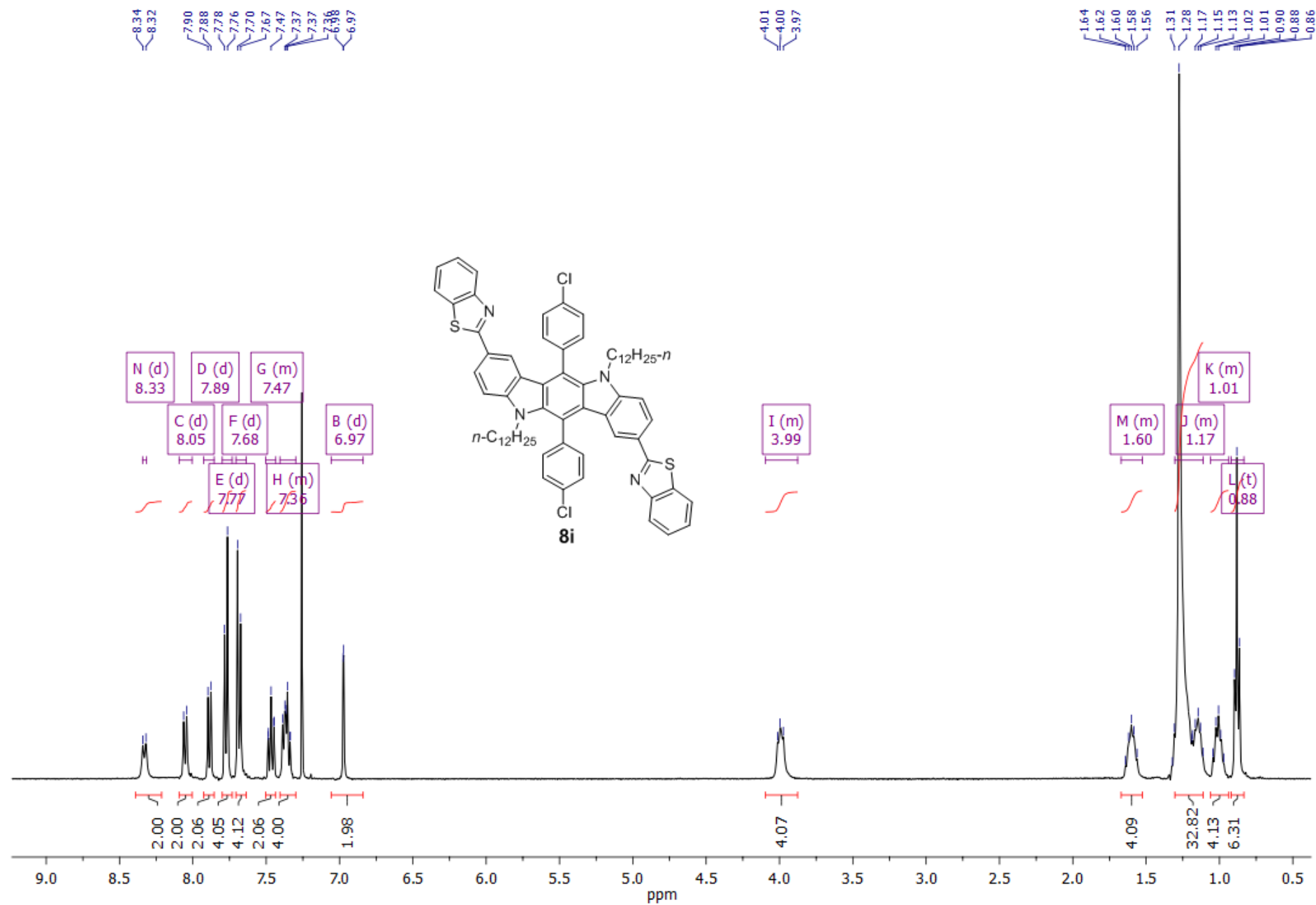
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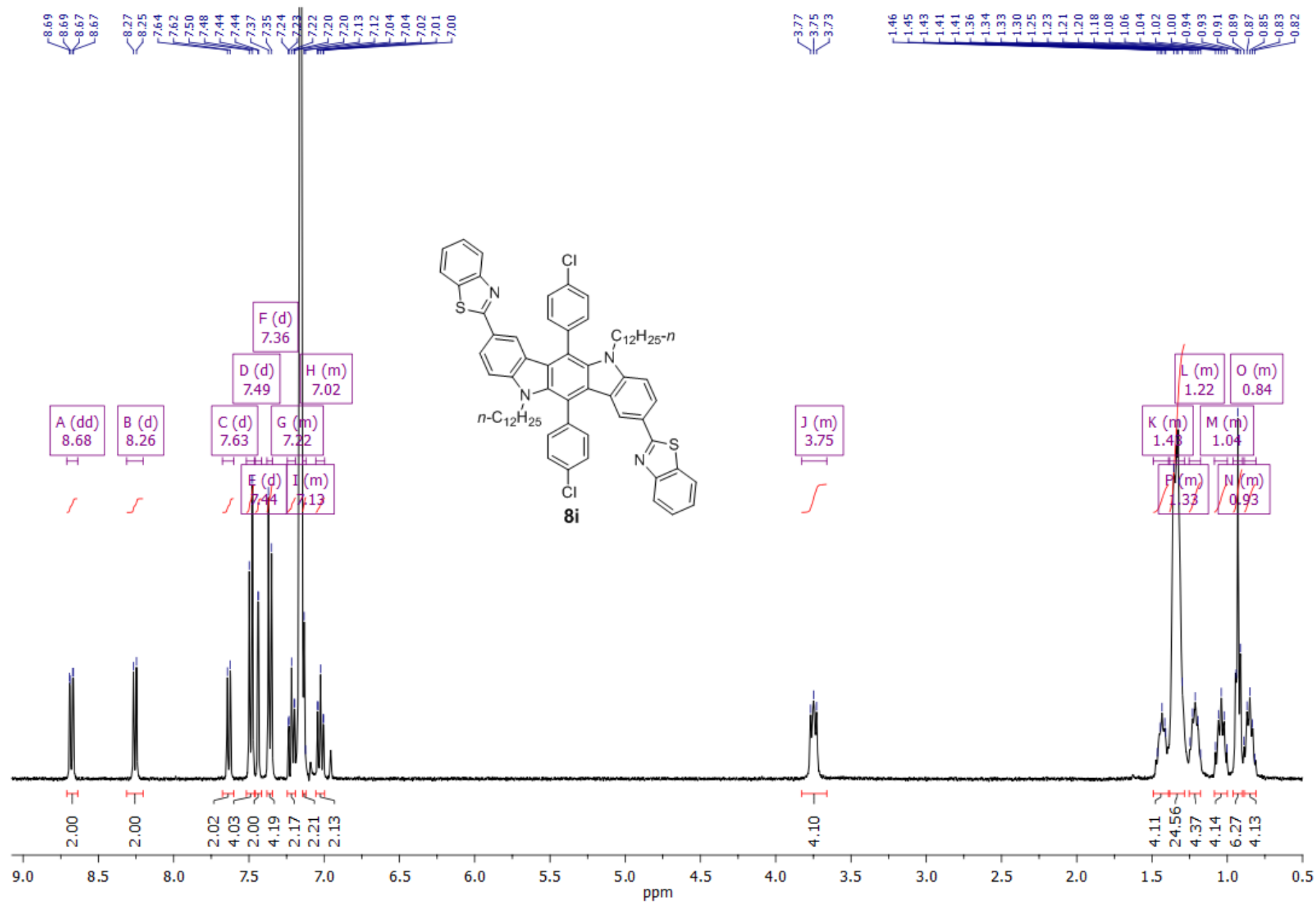
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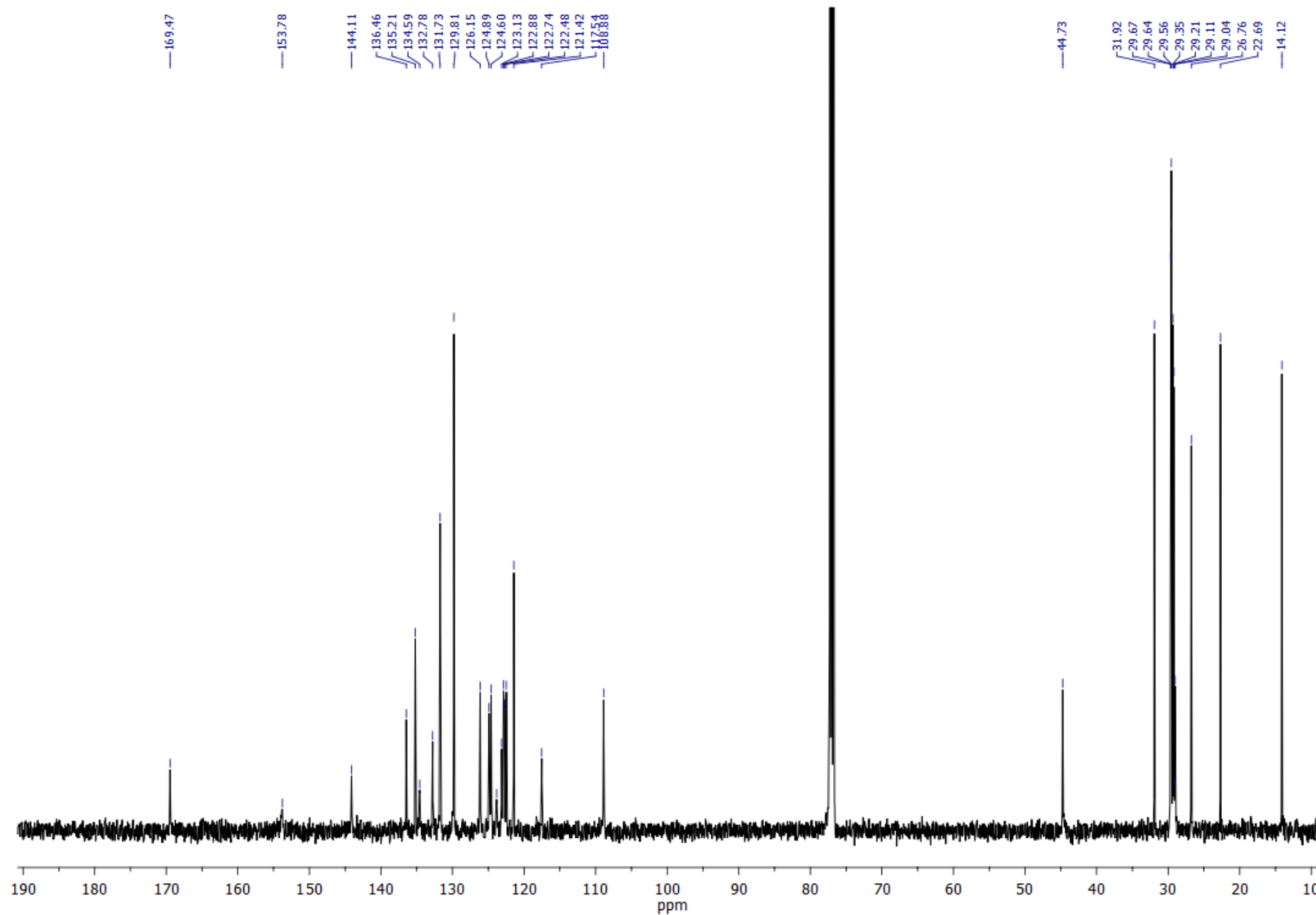
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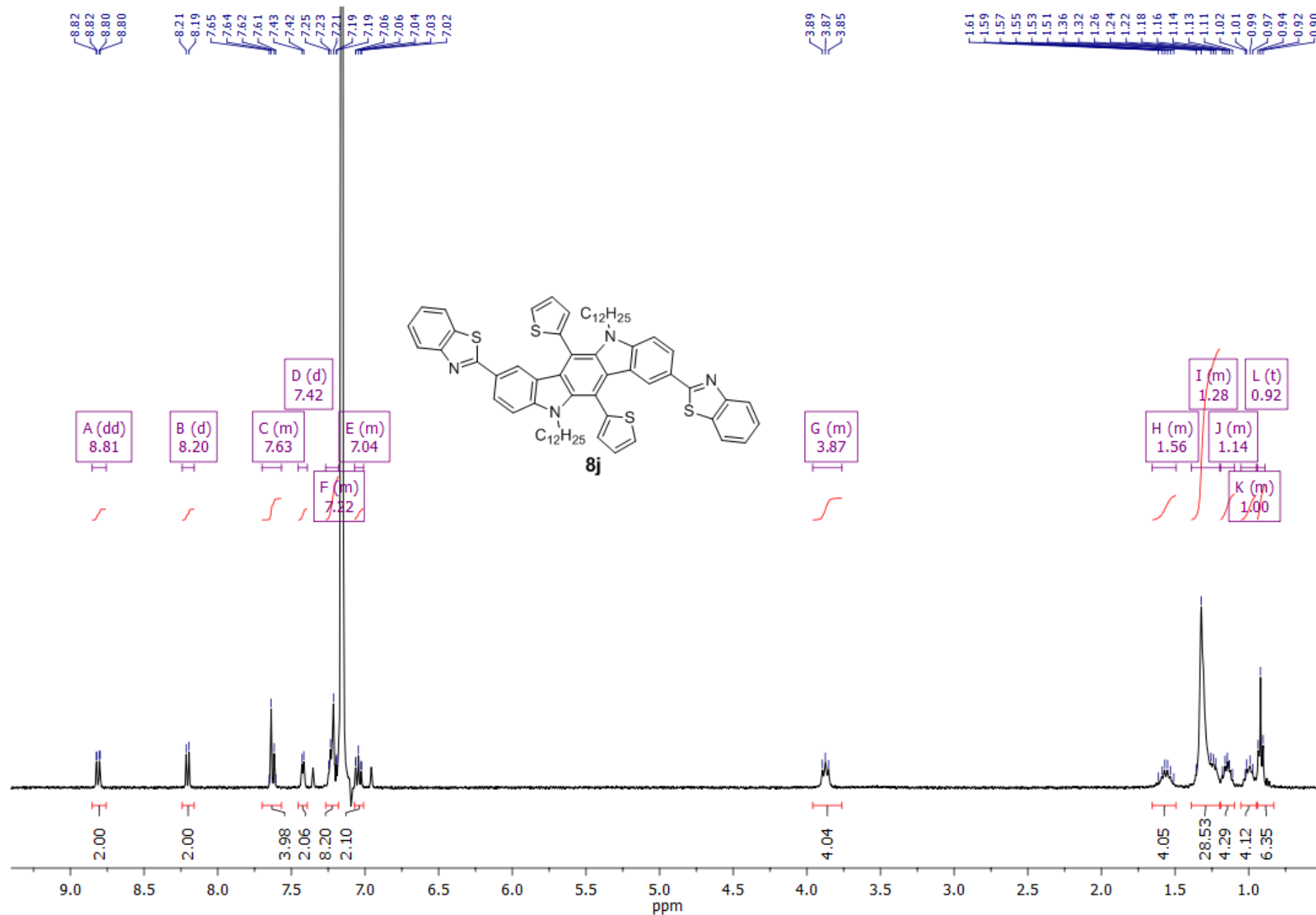
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