Supporting Information

$FeCl_3$ catalysed multicomponent divergent synthesis of indeno-fused heterocycles library

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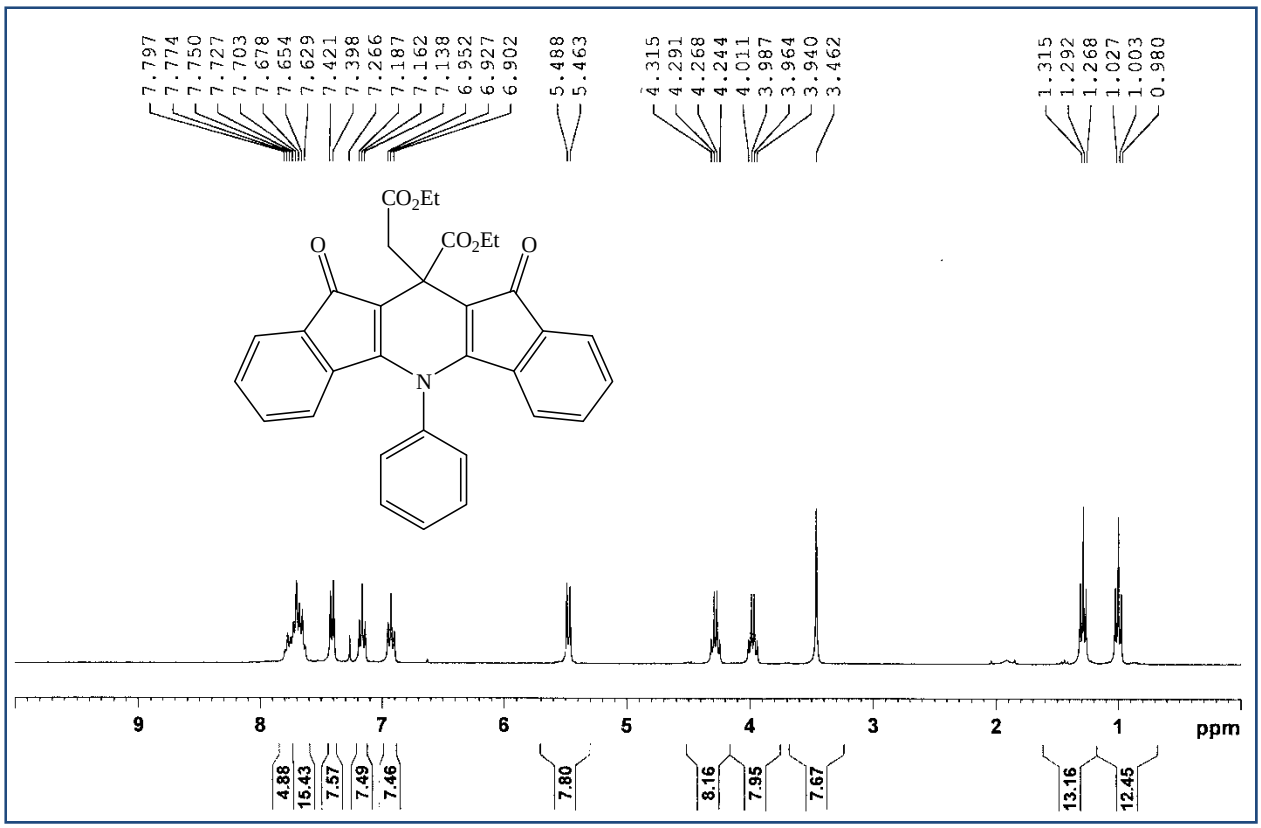
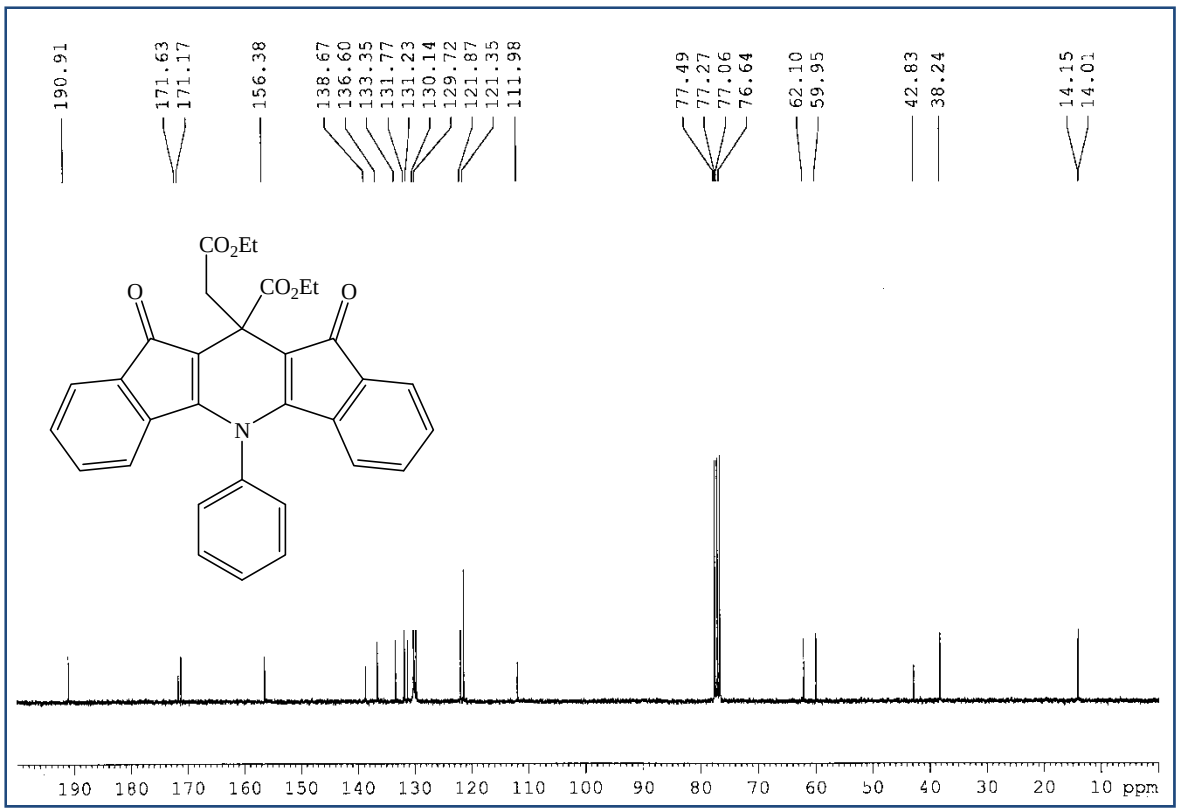


^{1}H NMR of compound **4a**



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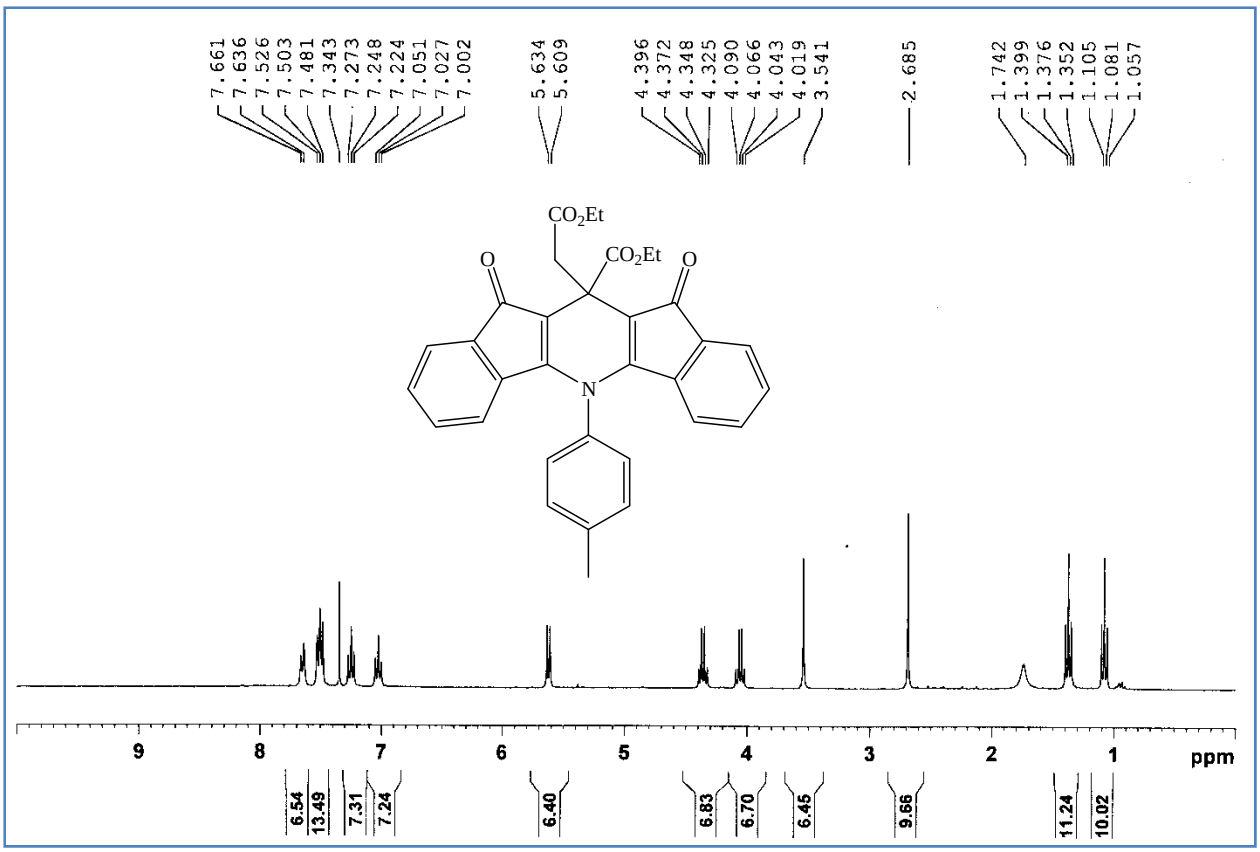

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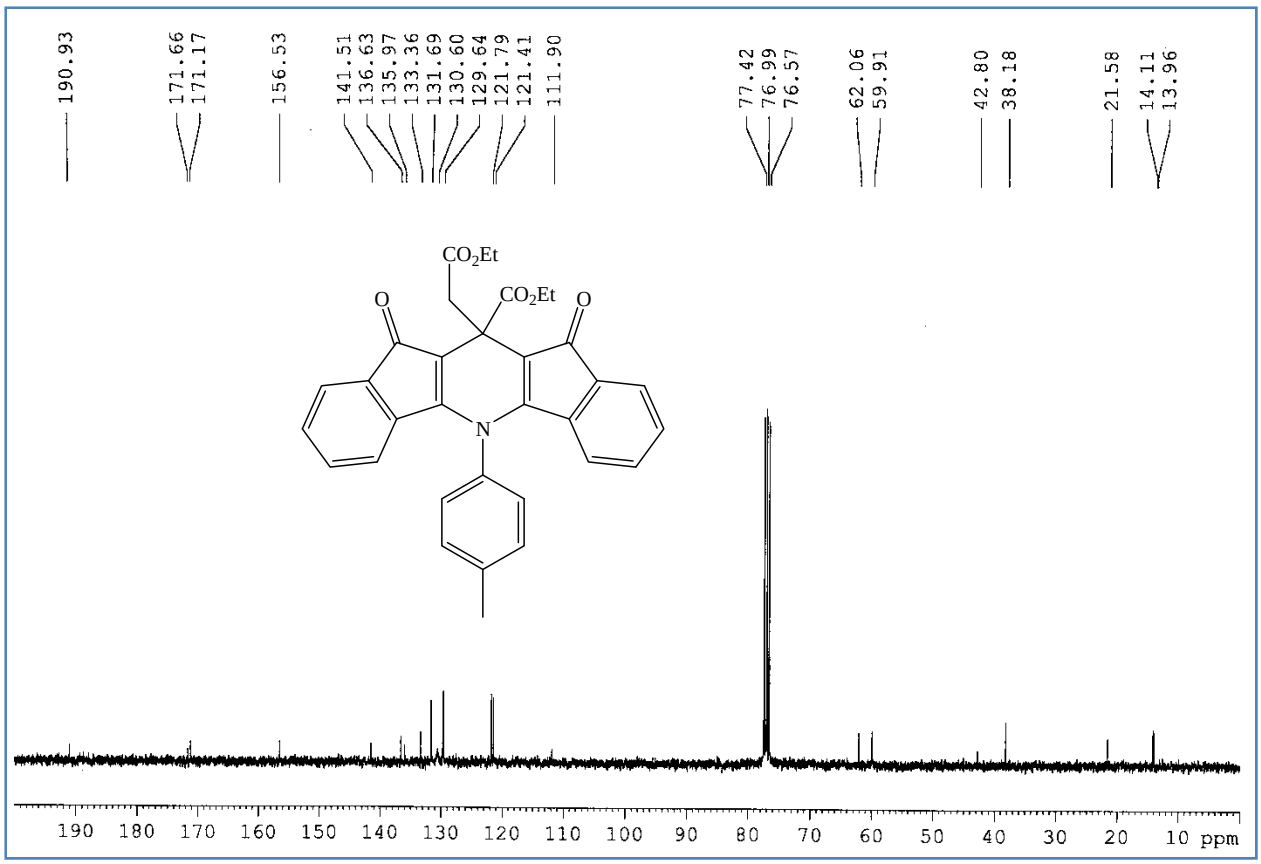

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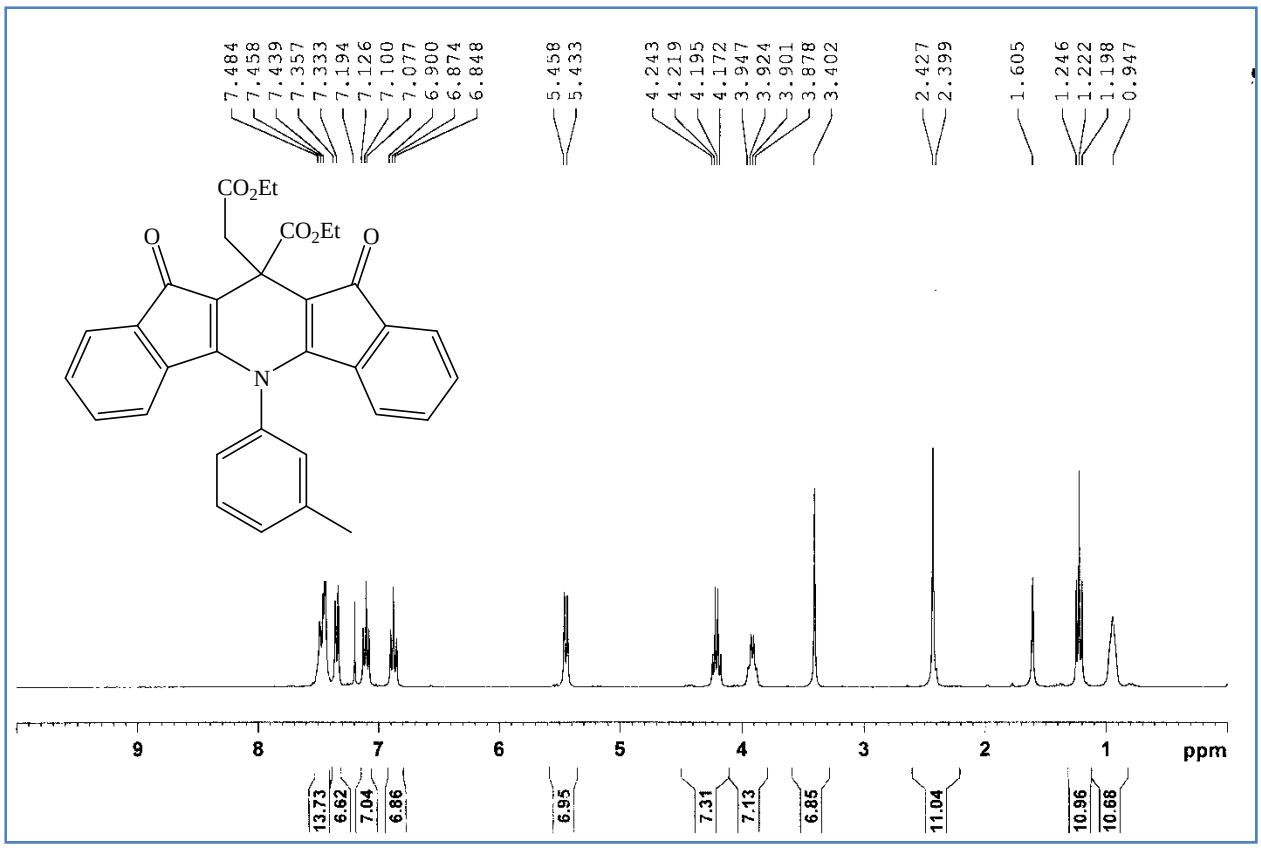

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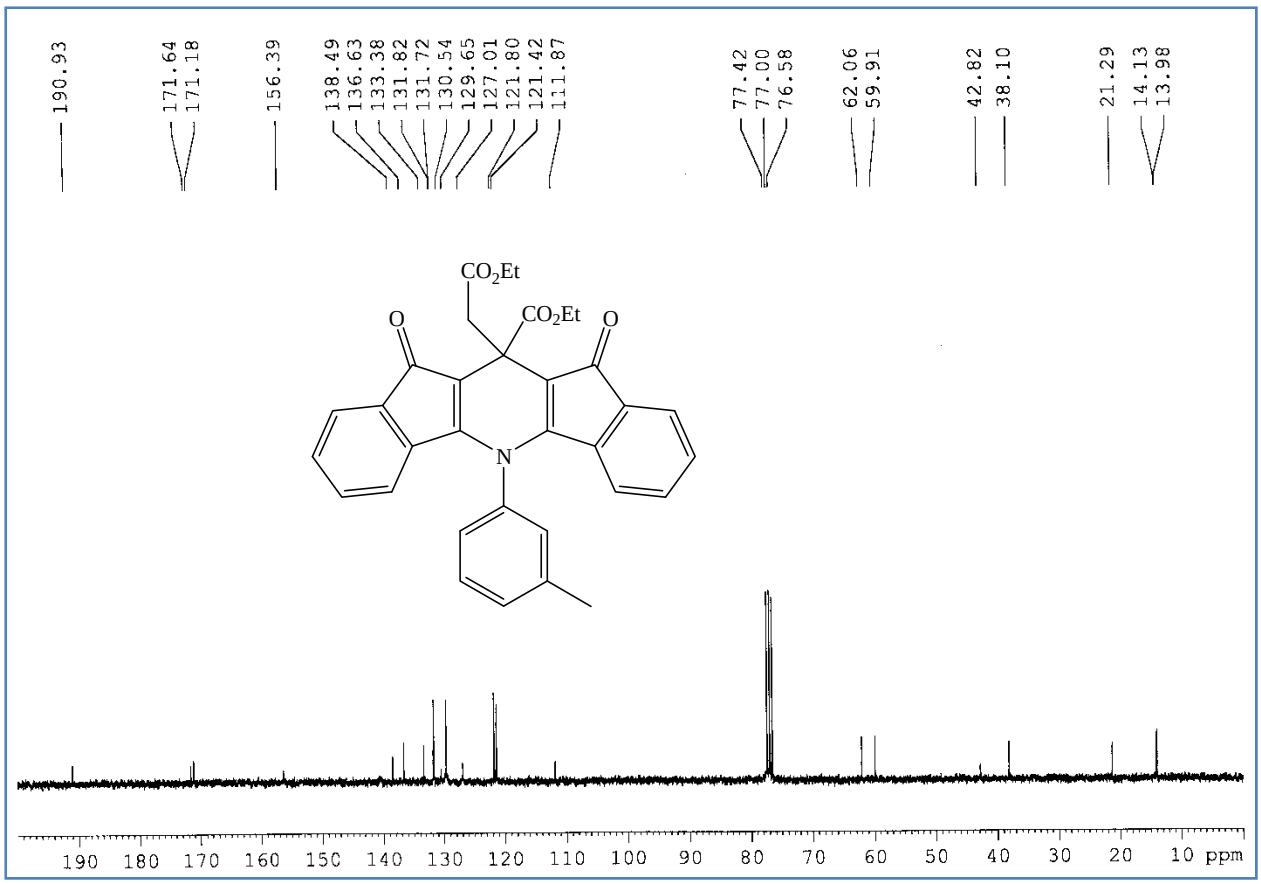

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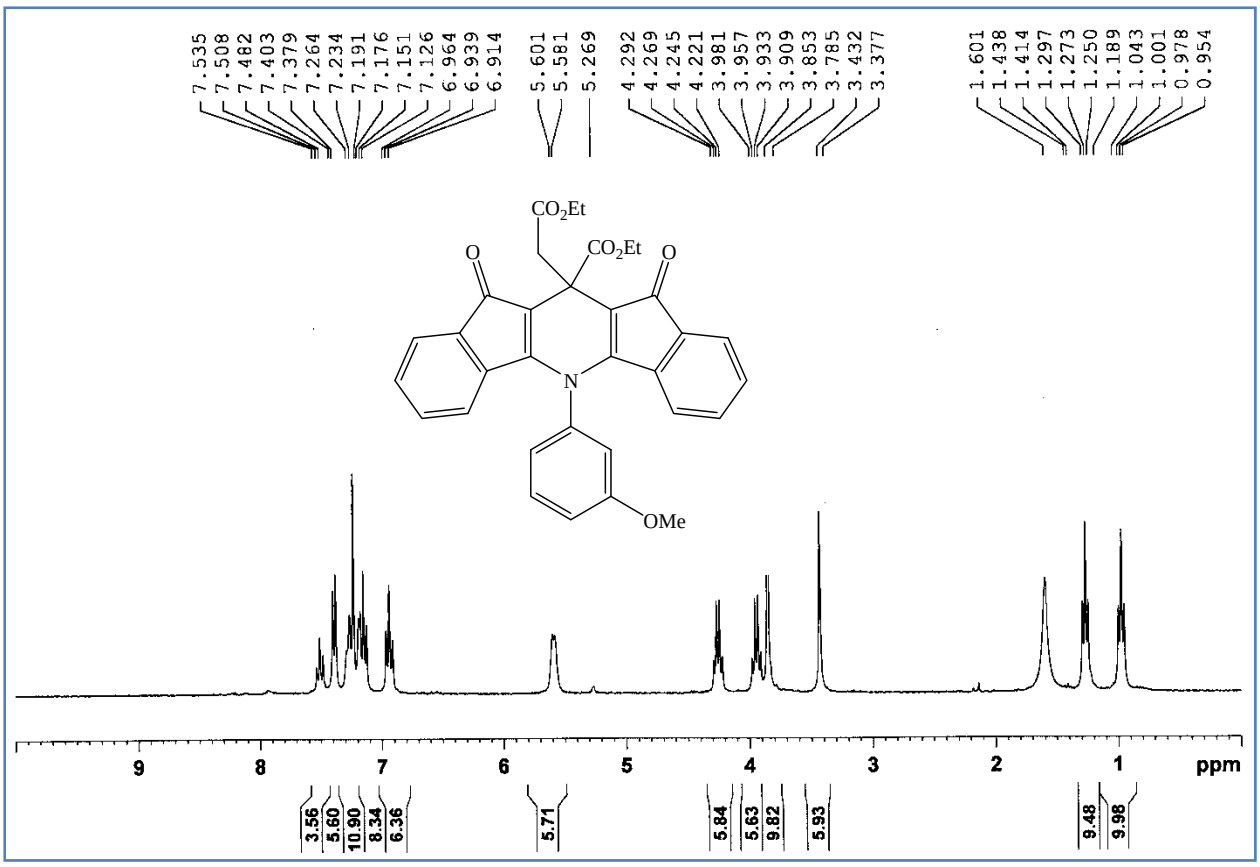

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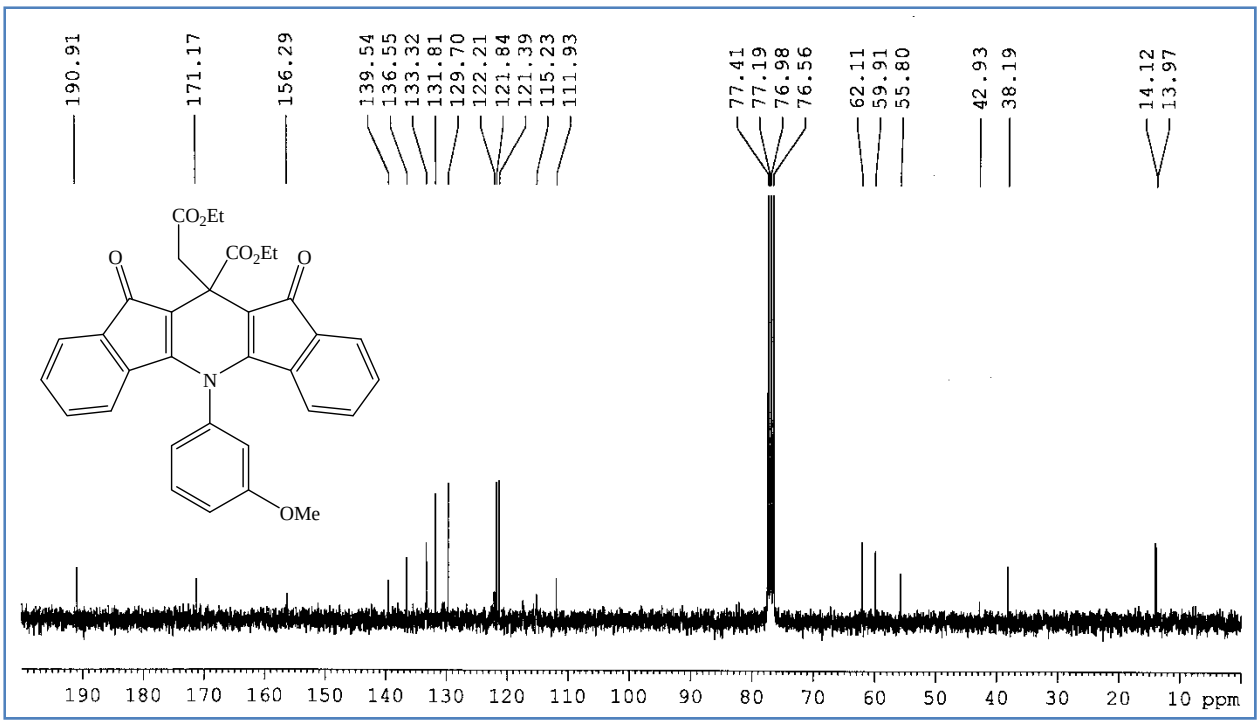

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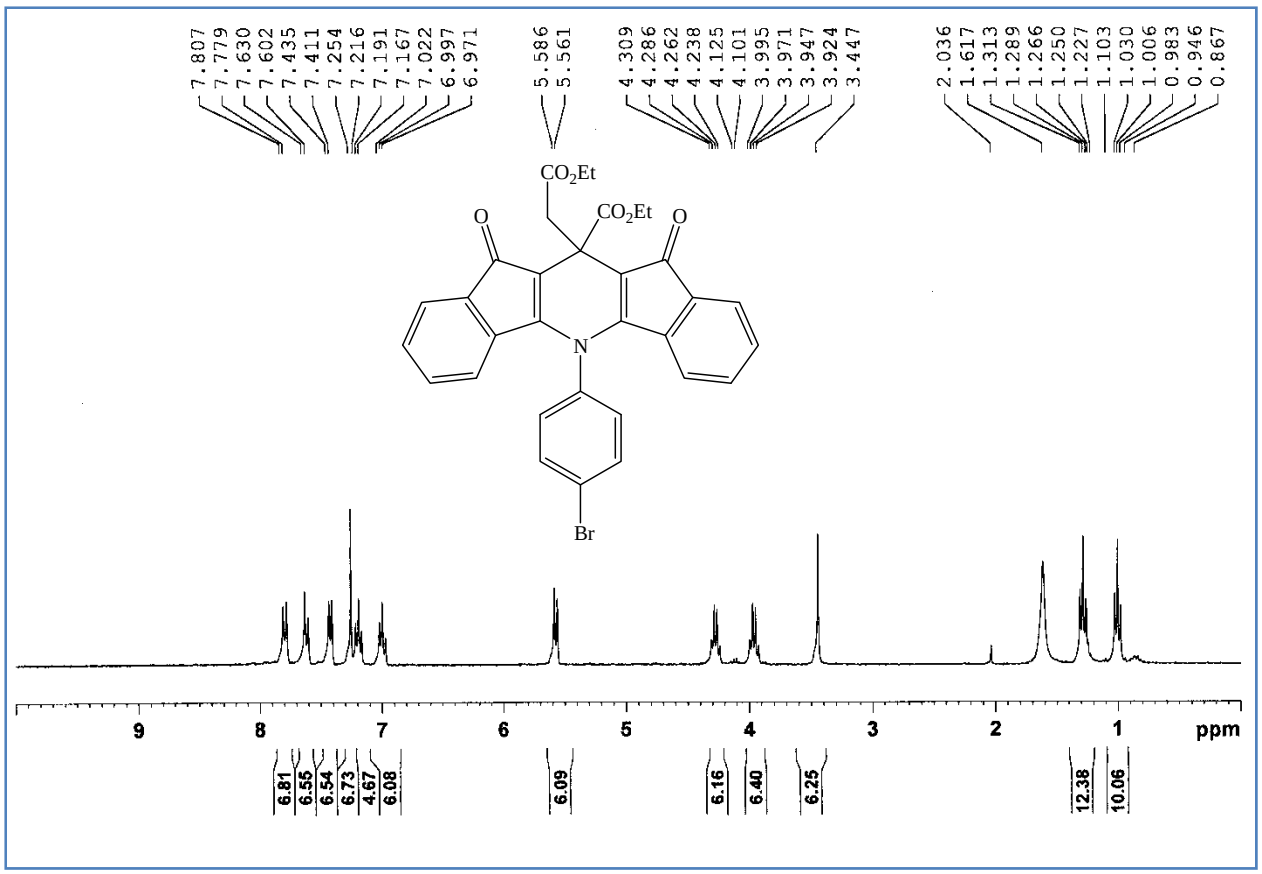

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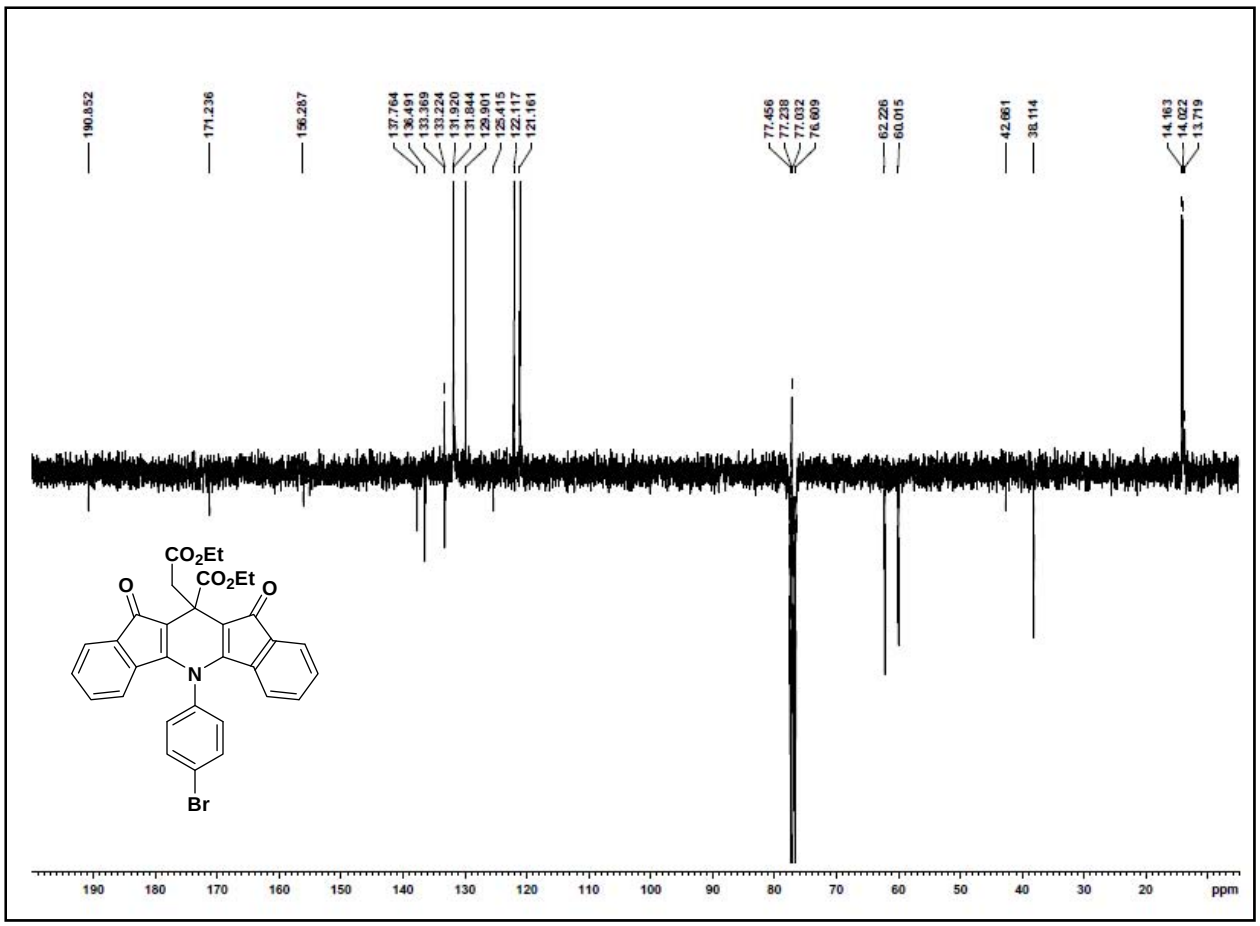

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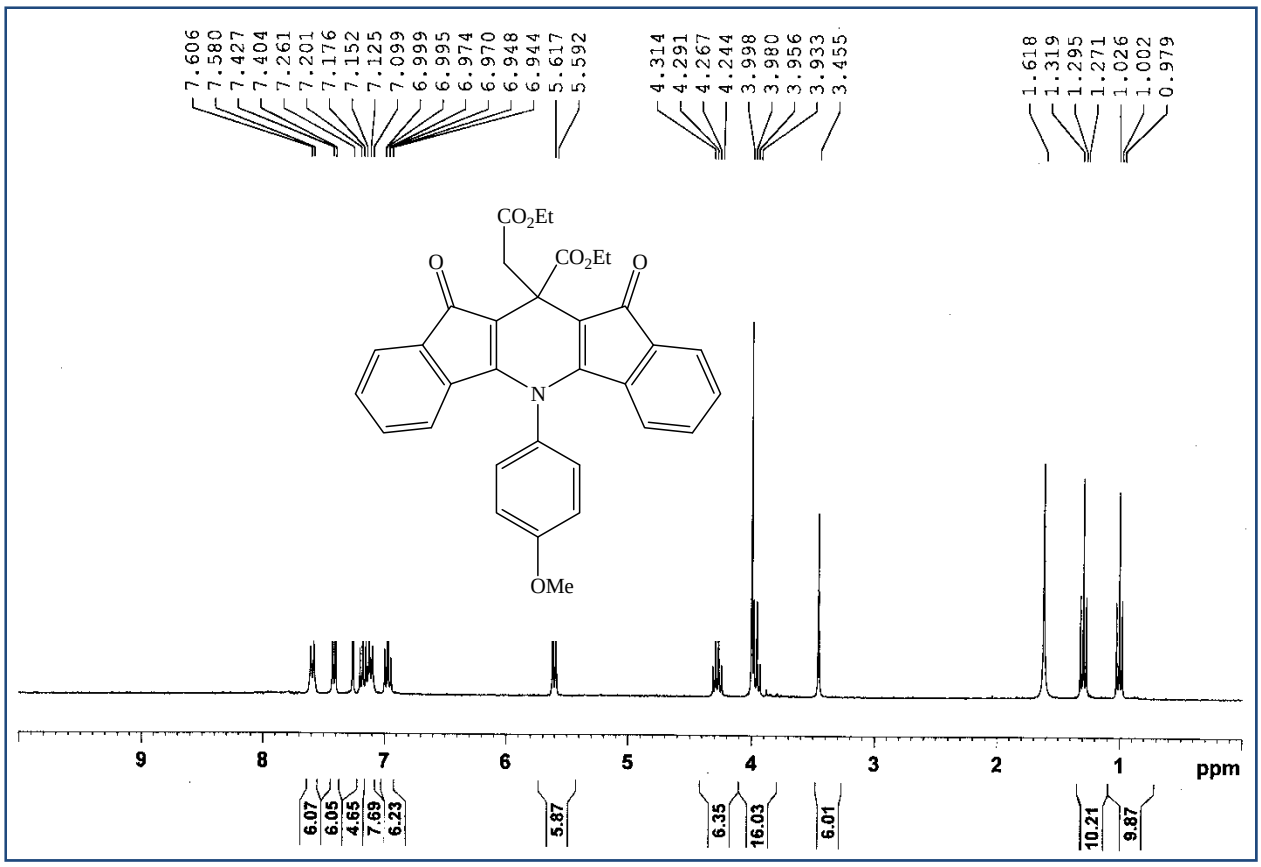

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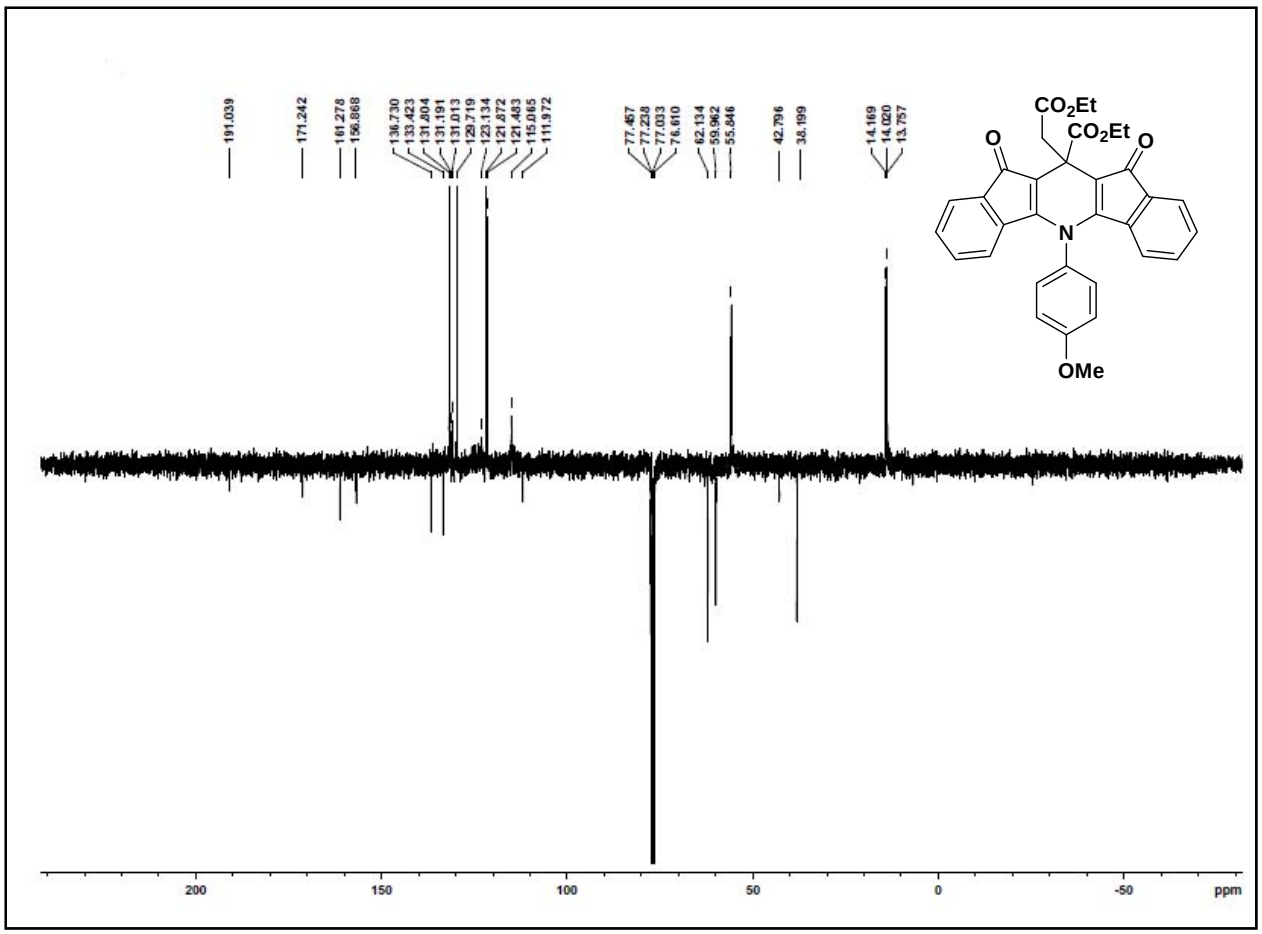

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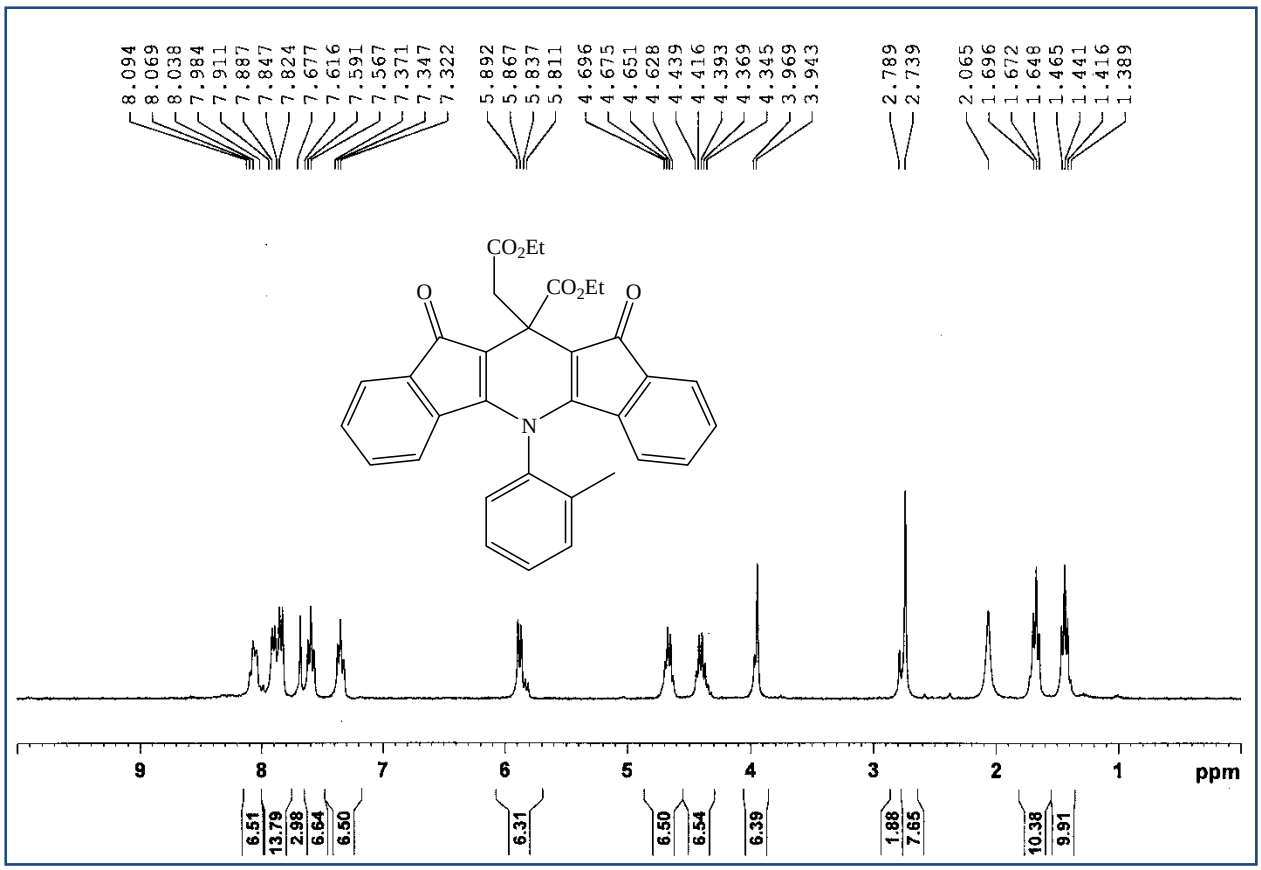

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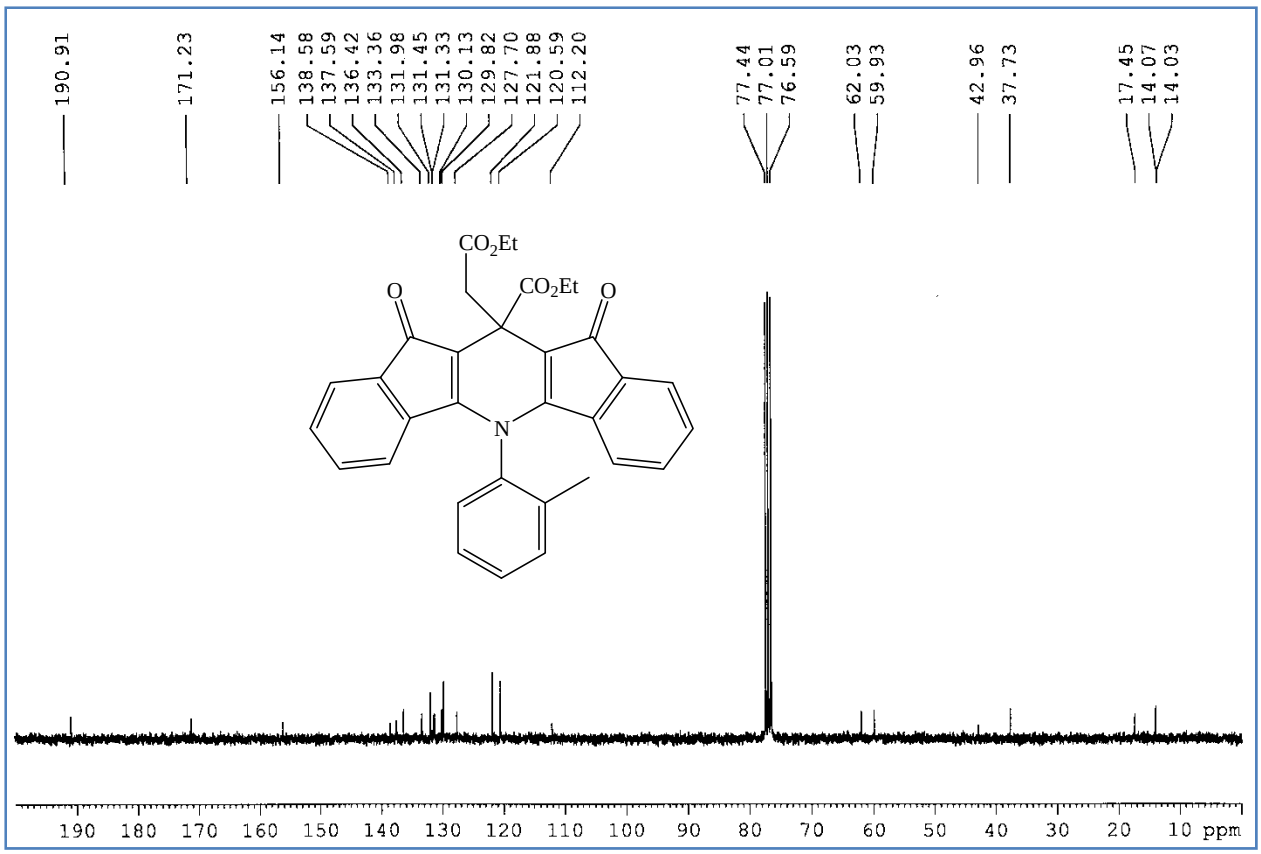

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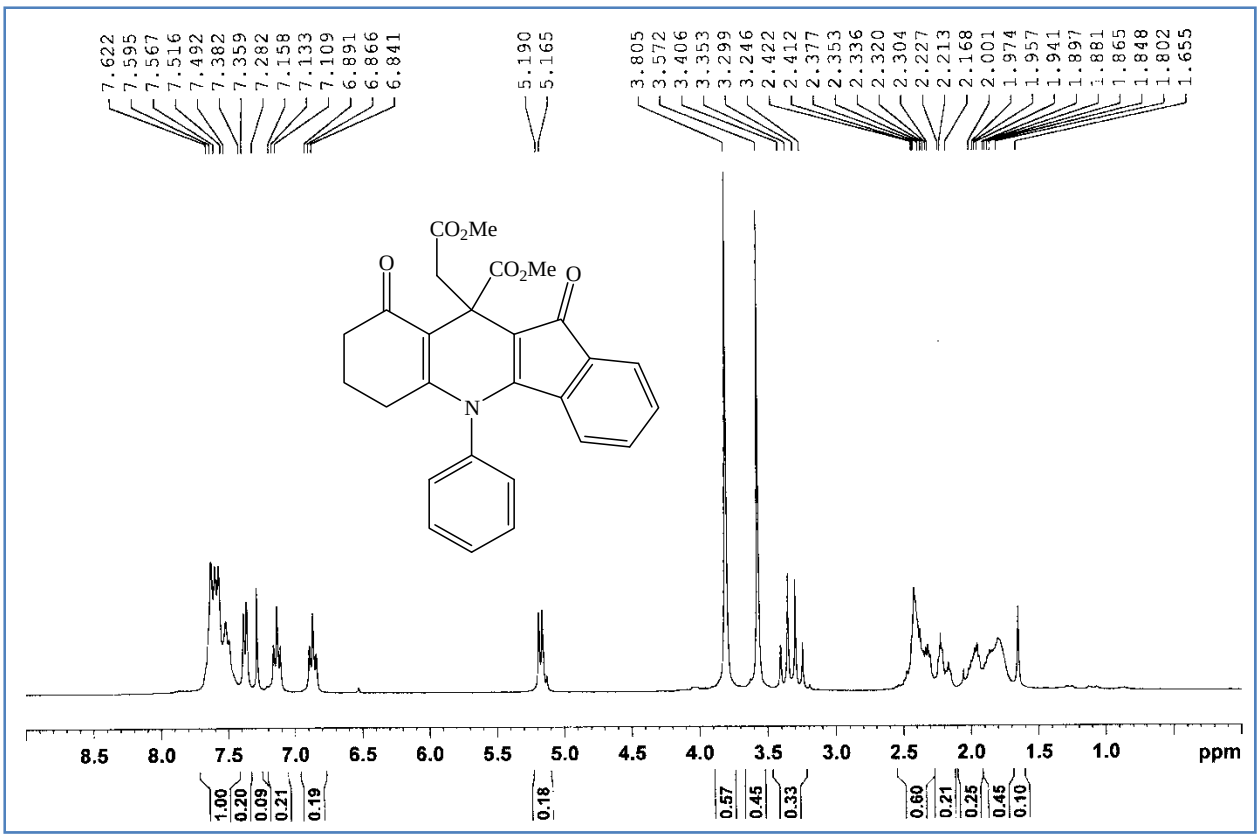

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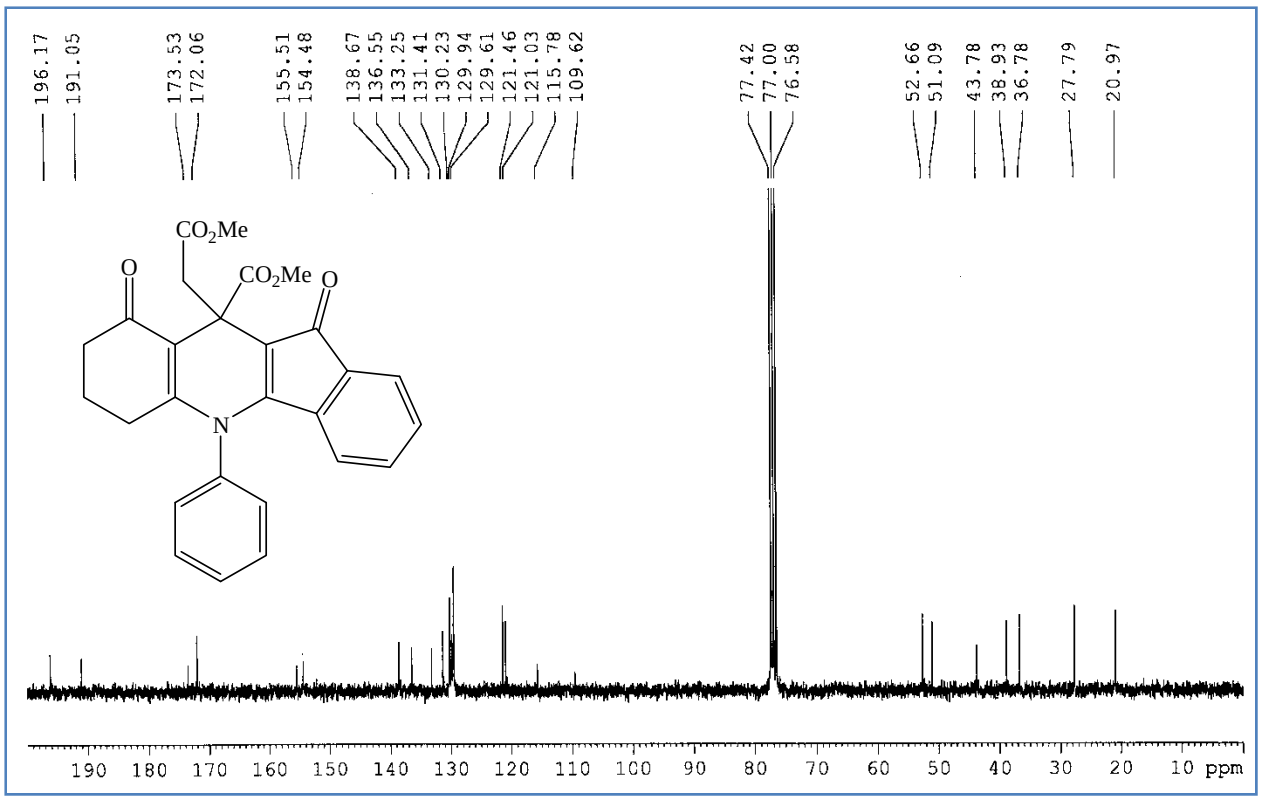

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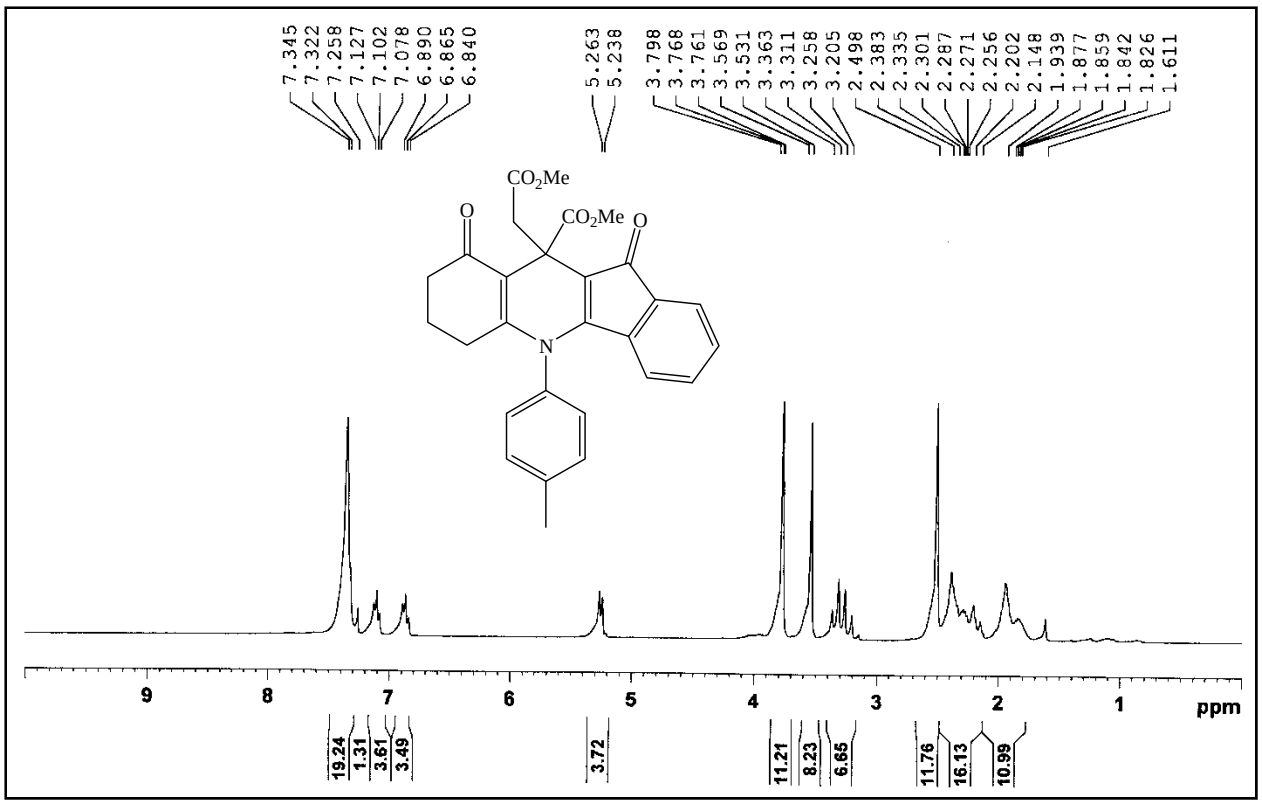

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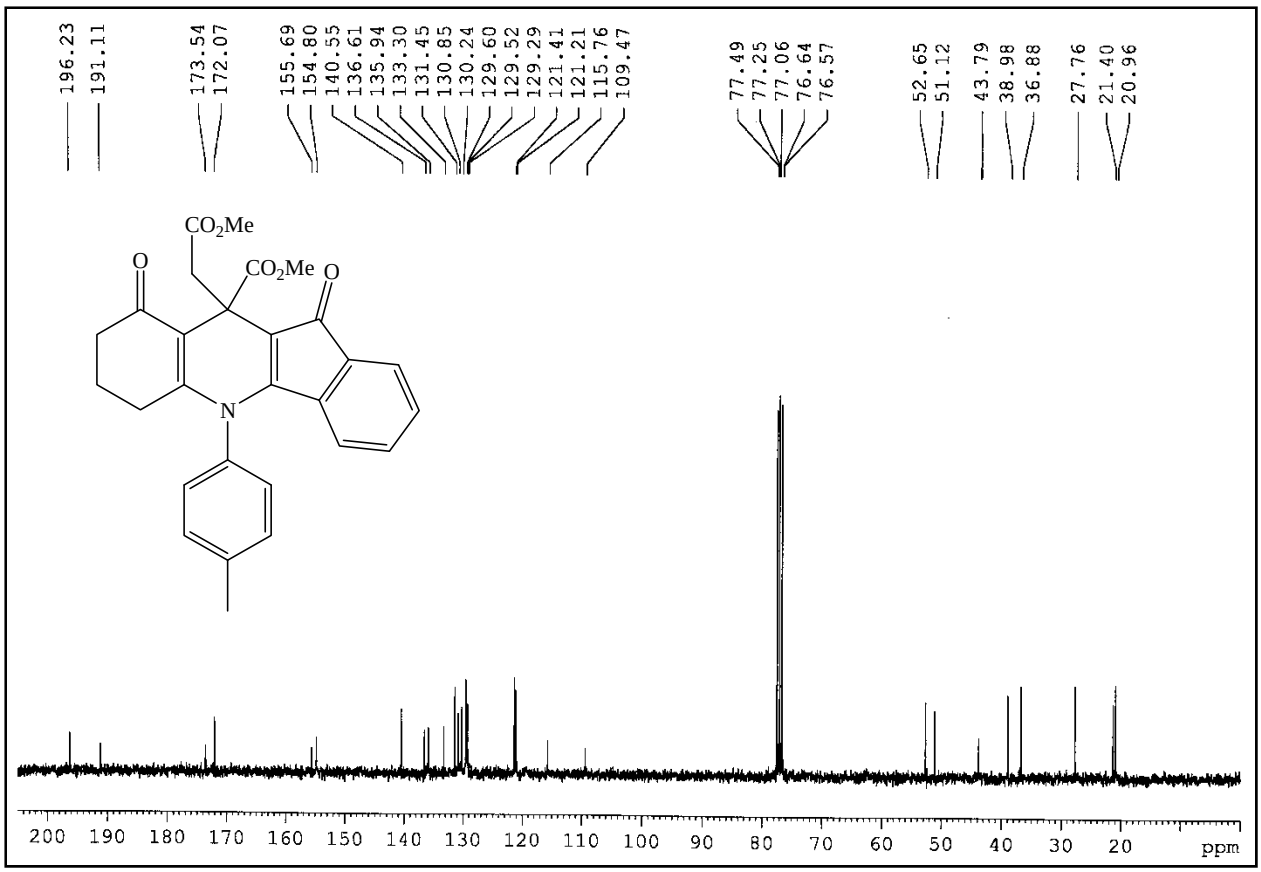

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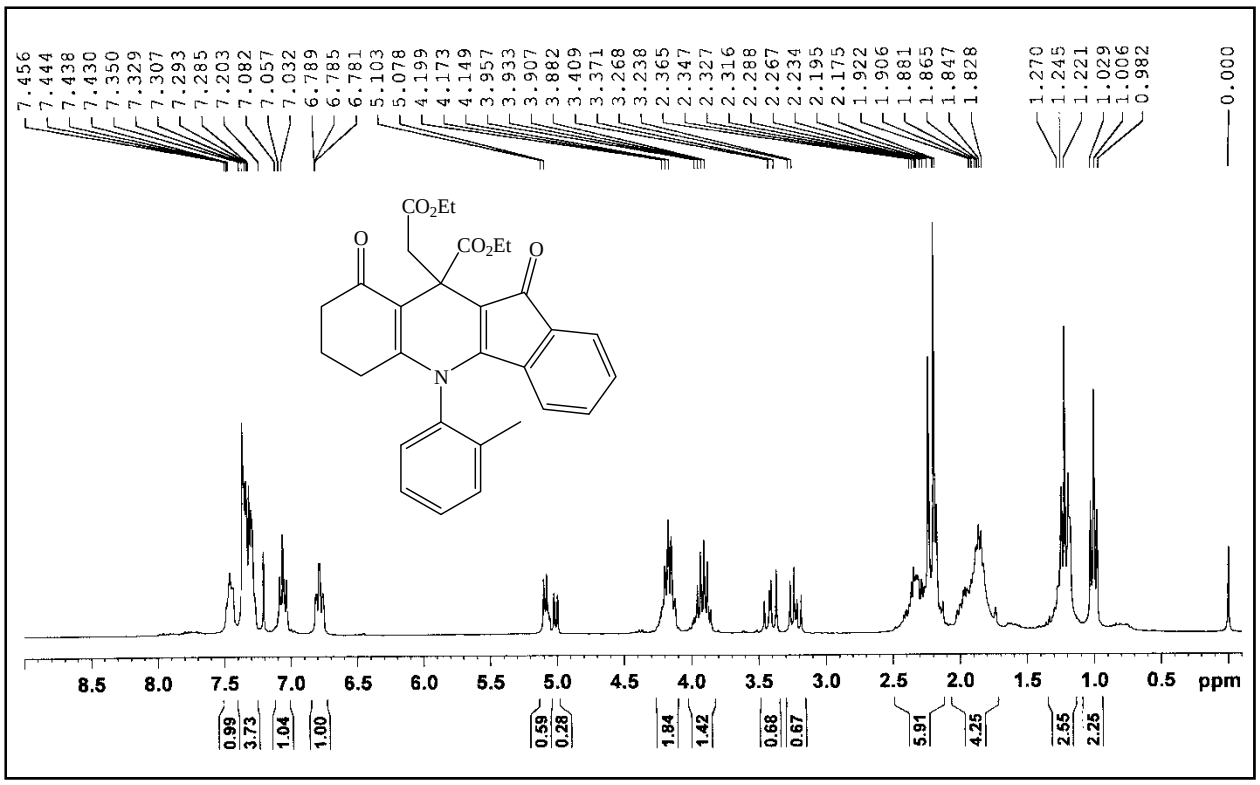

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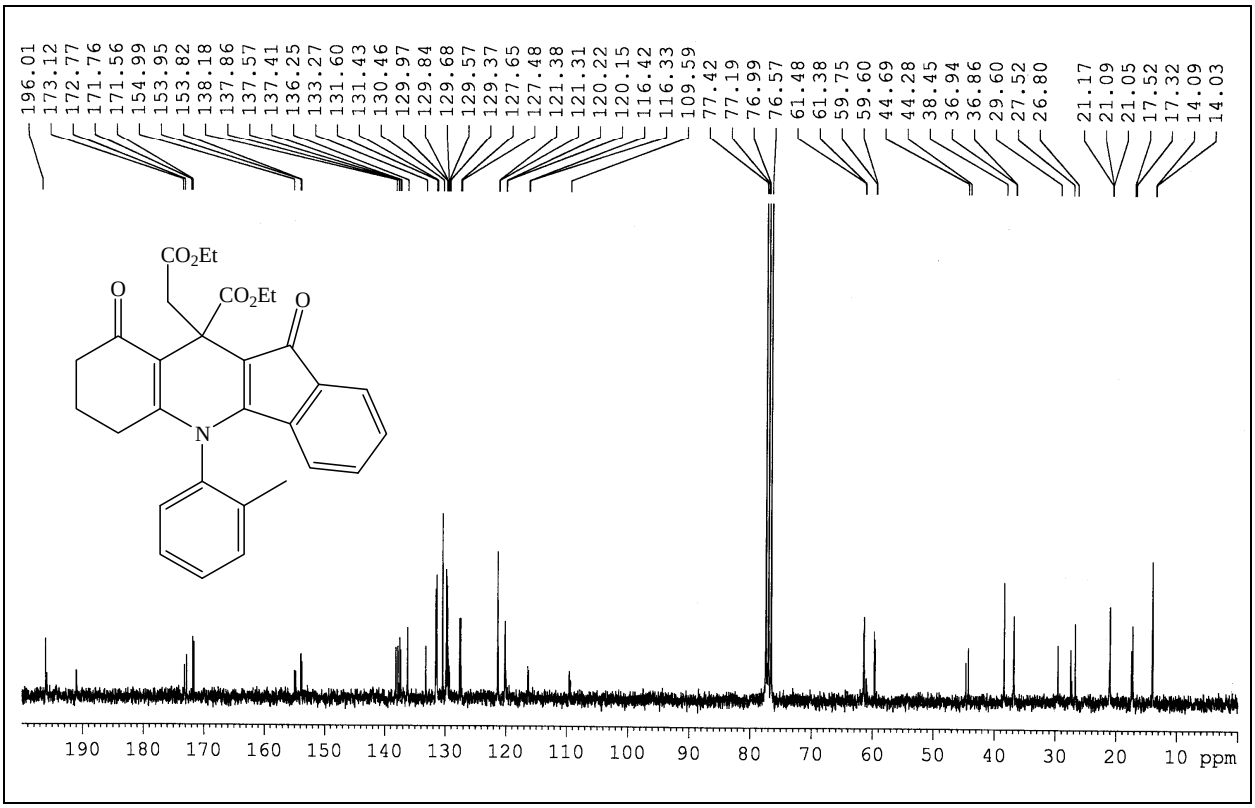

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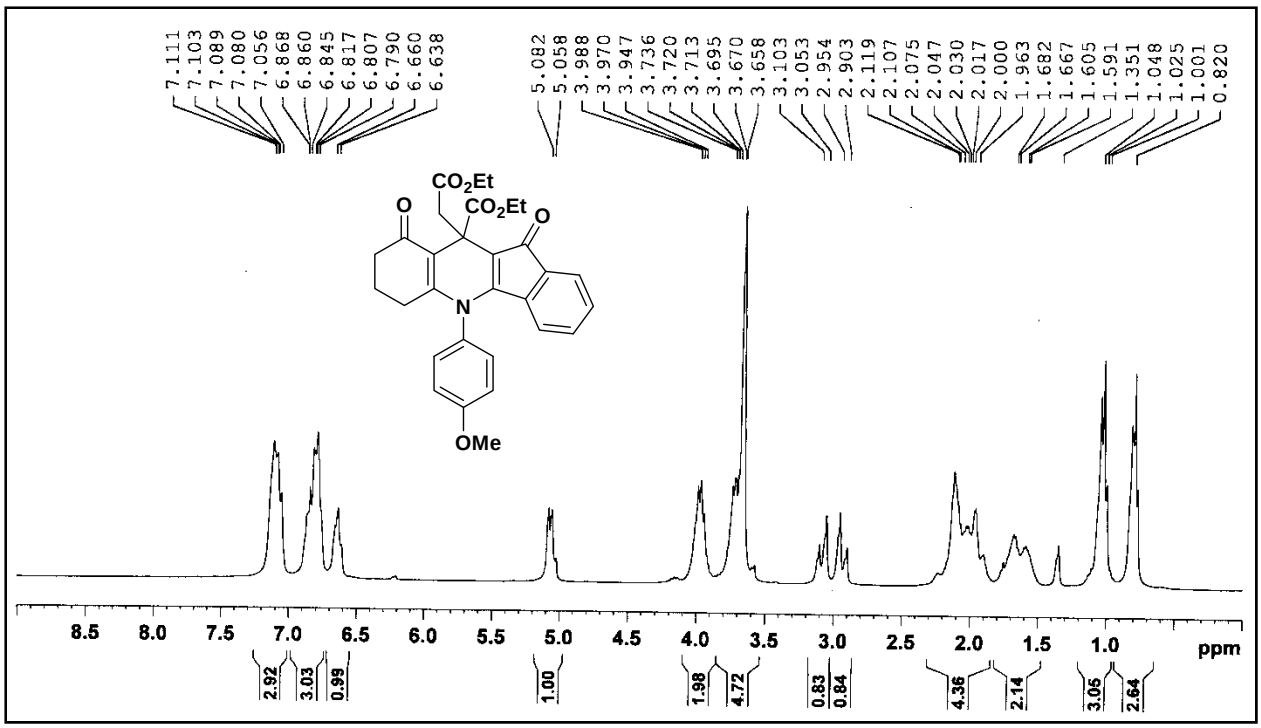

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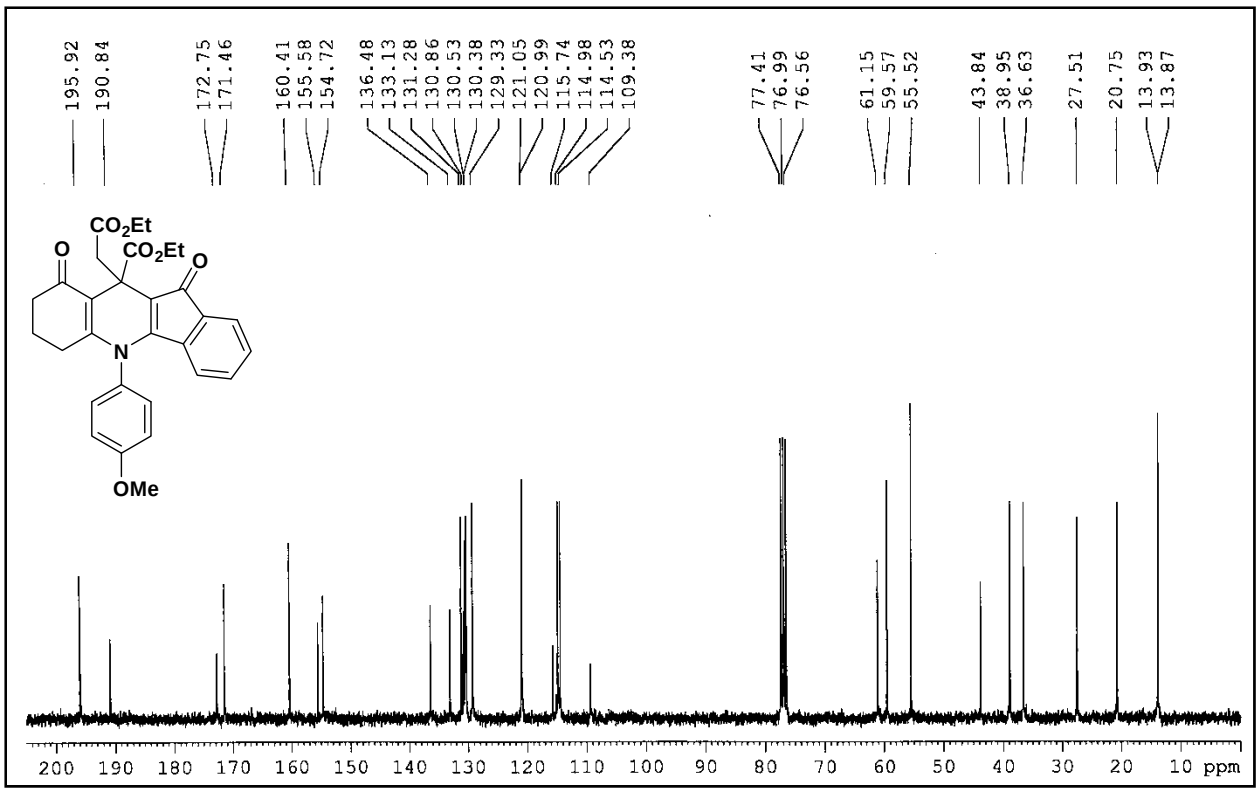

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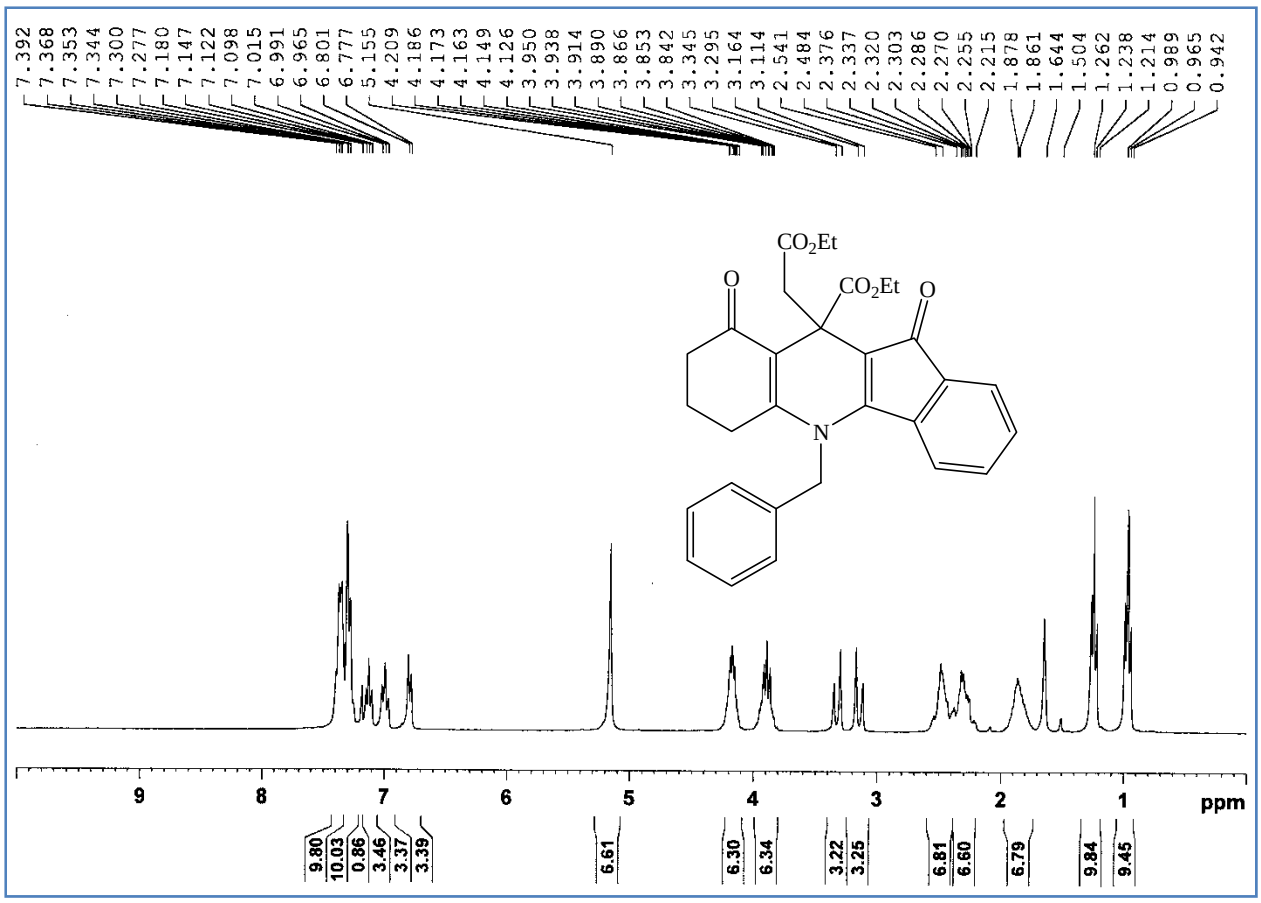

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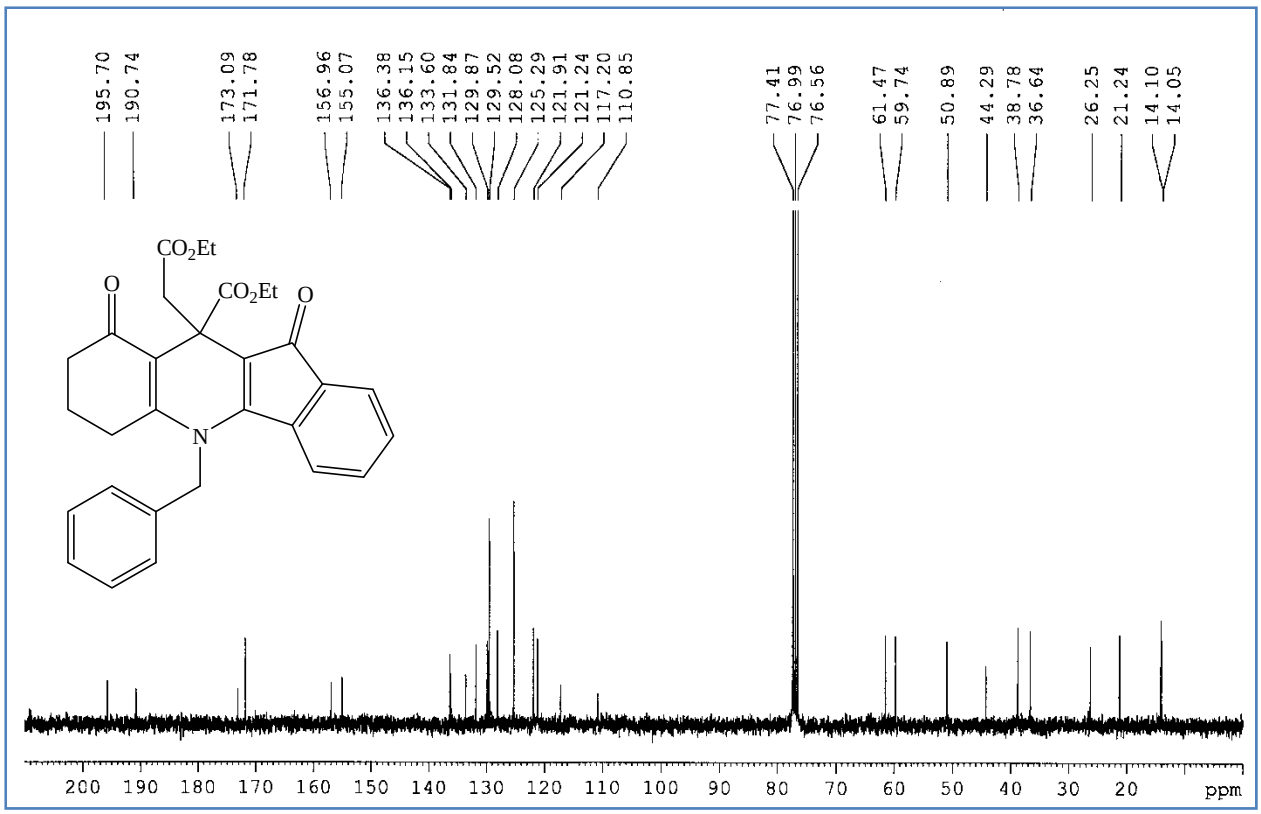

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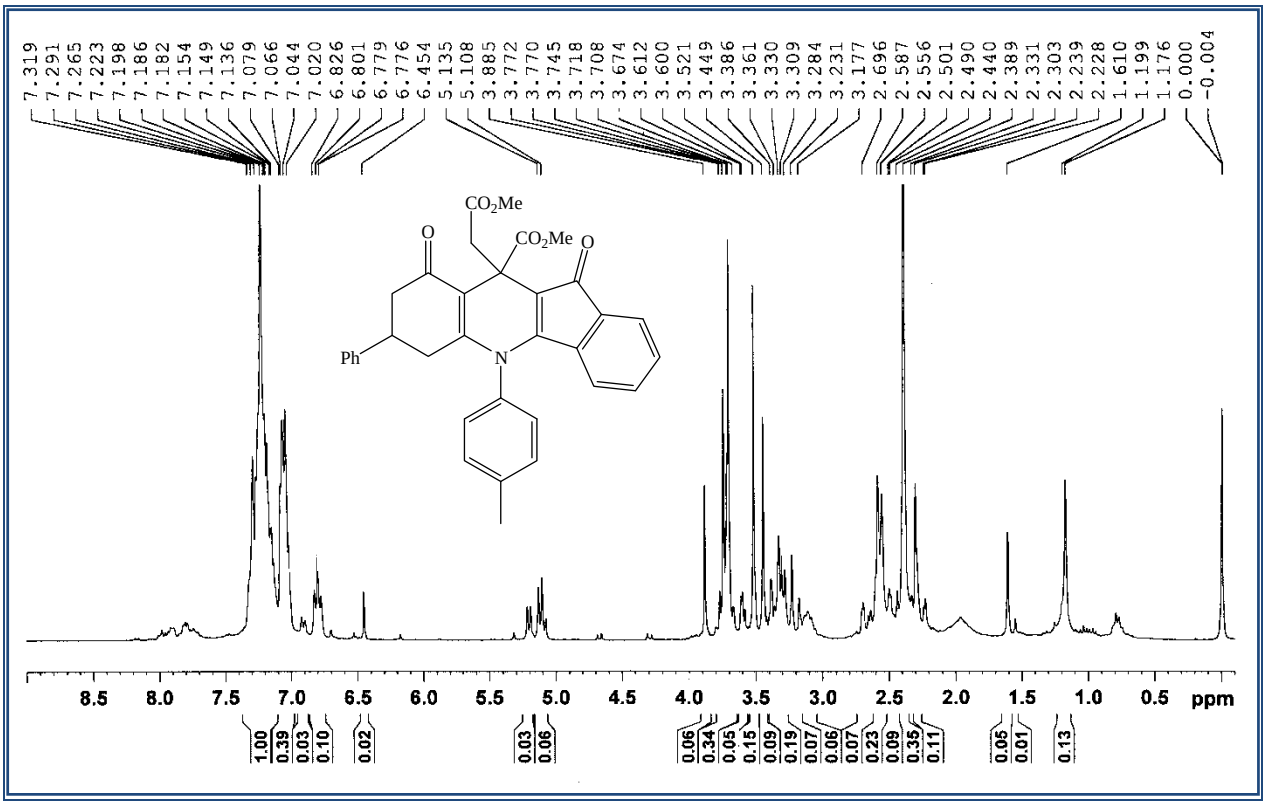

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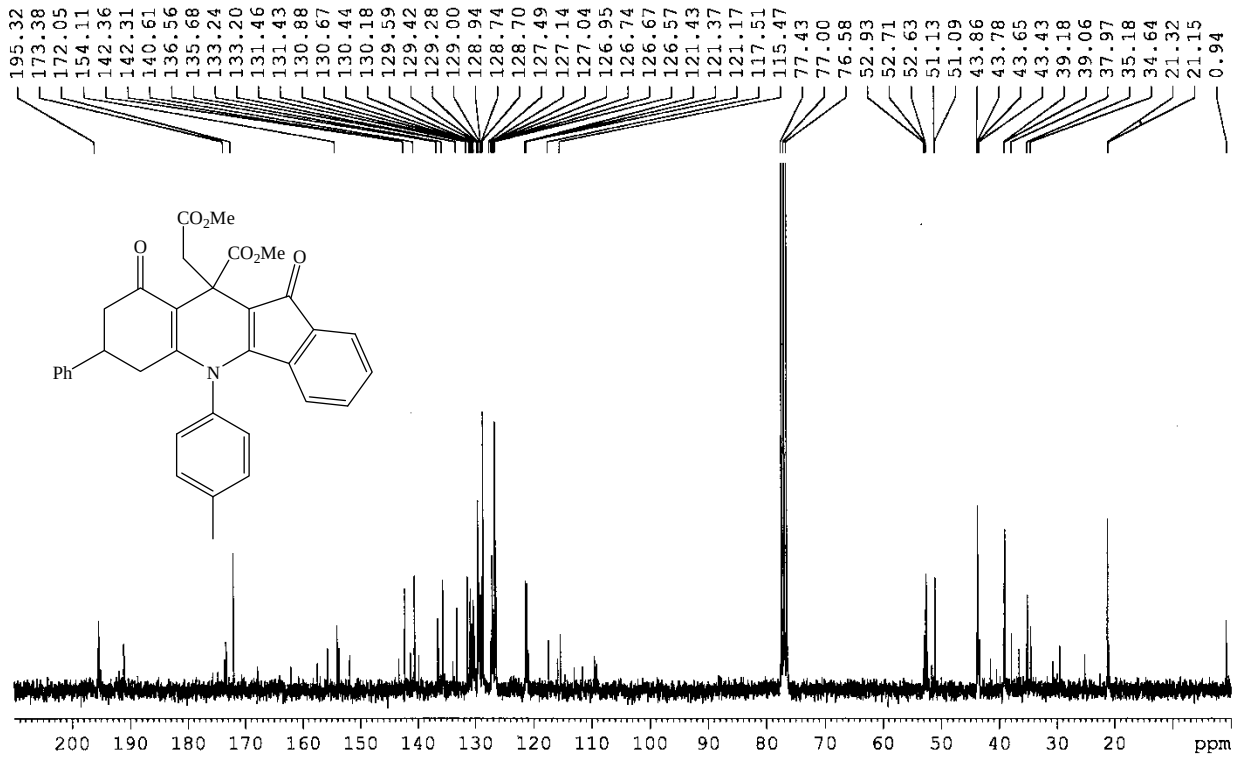

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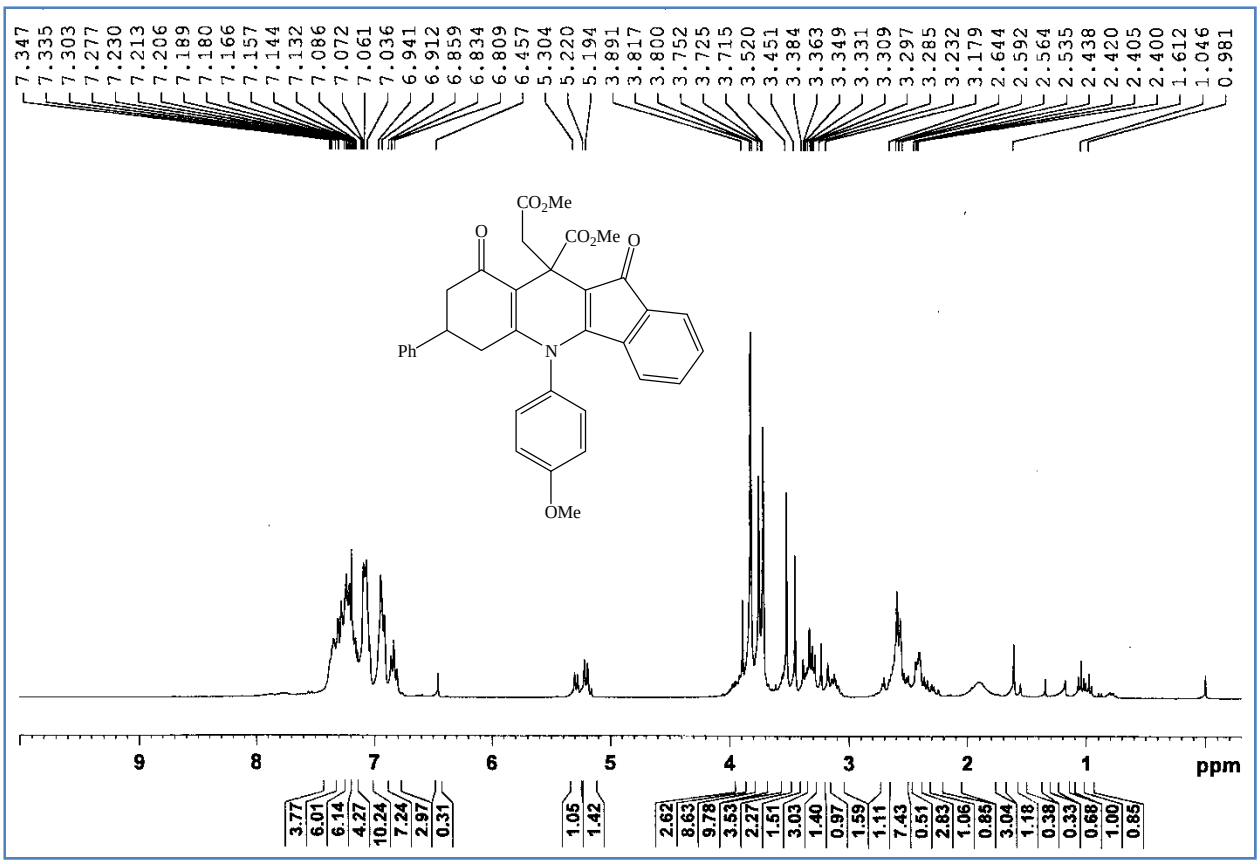

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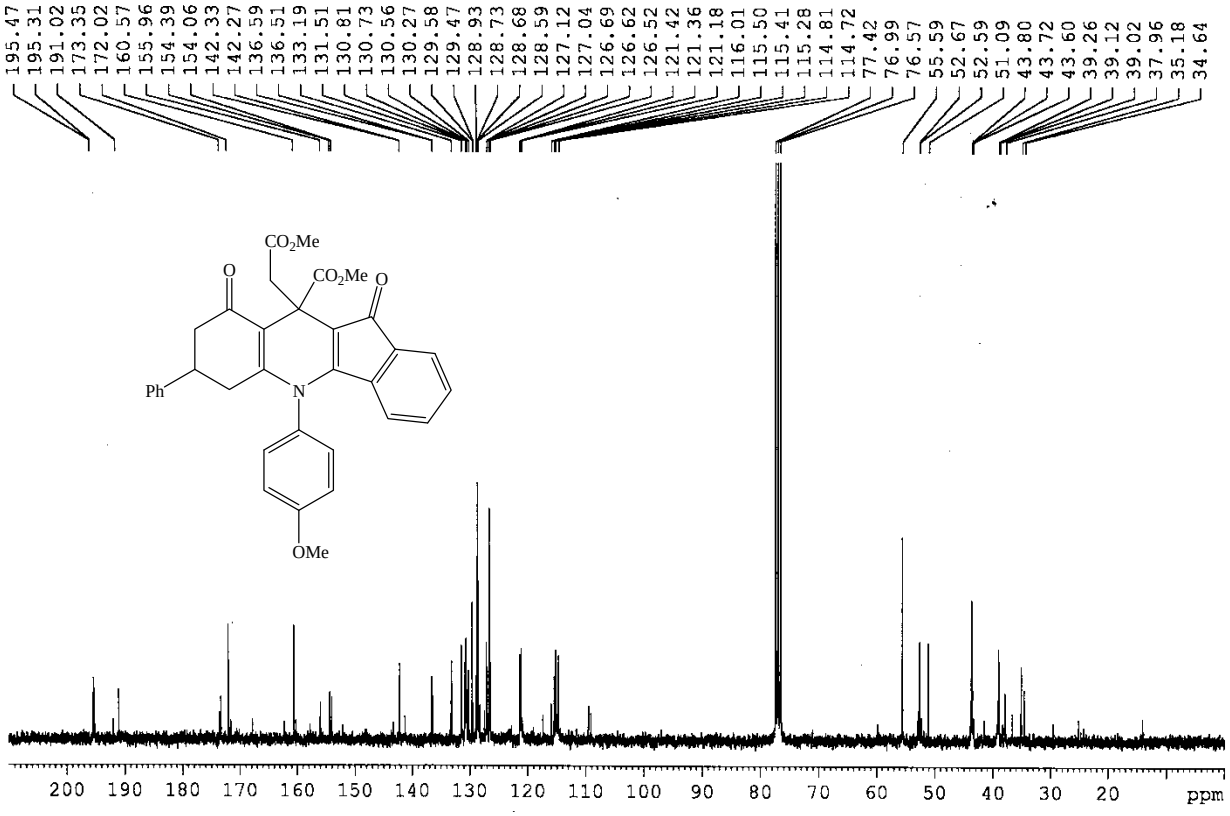

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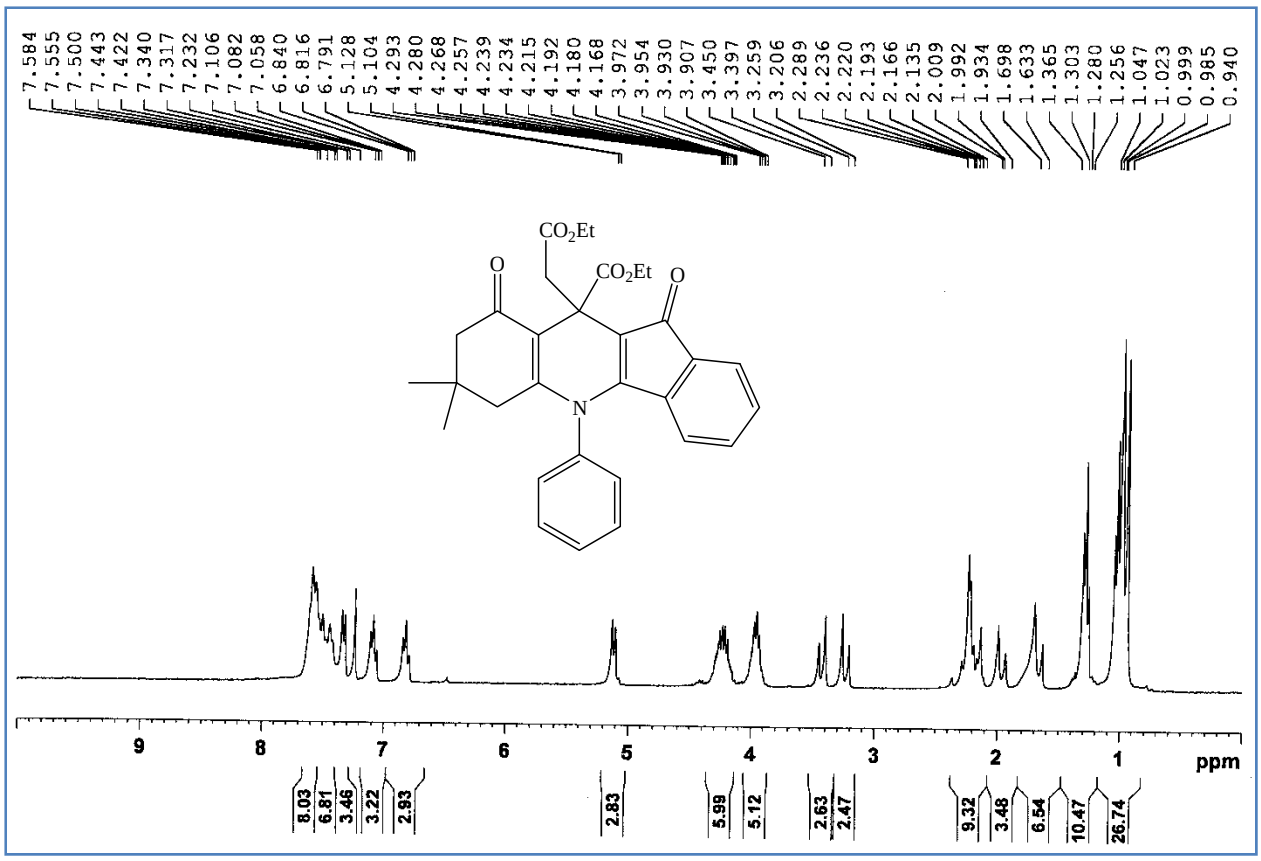

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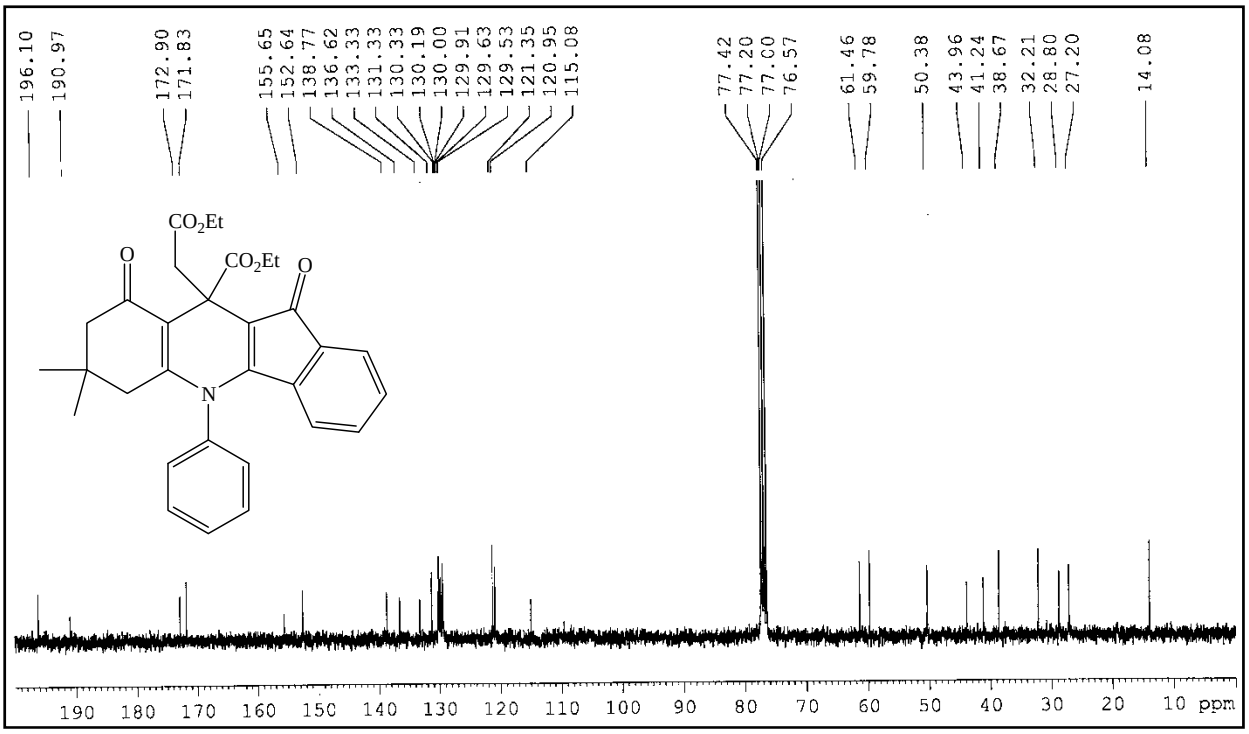

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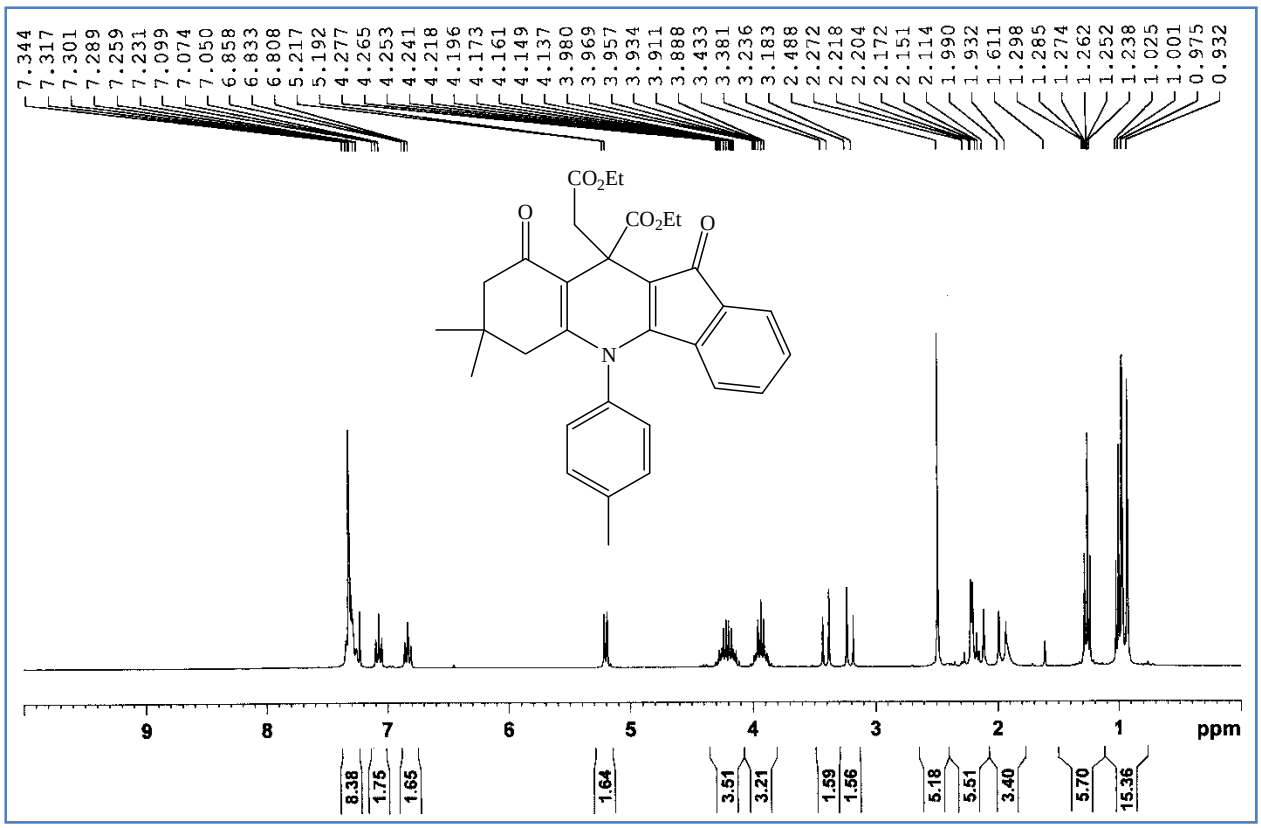

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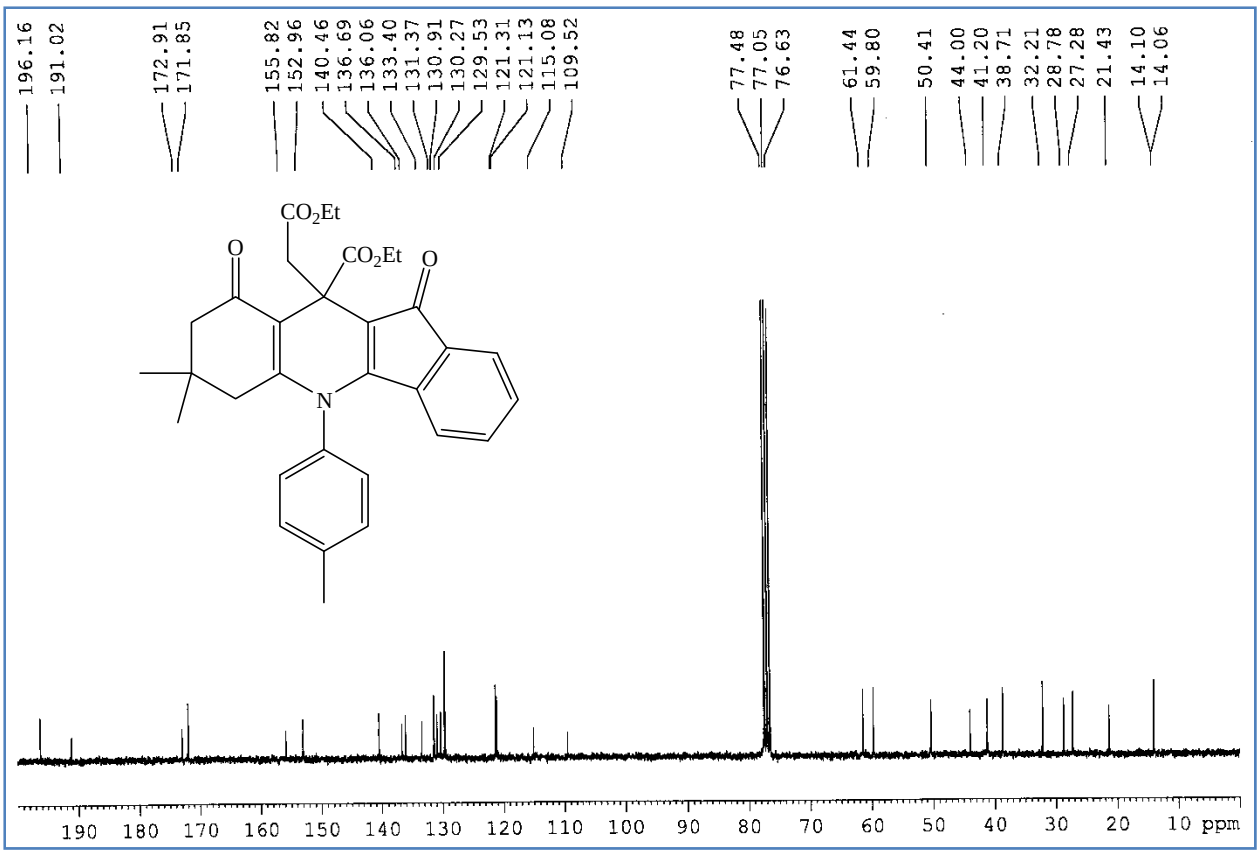

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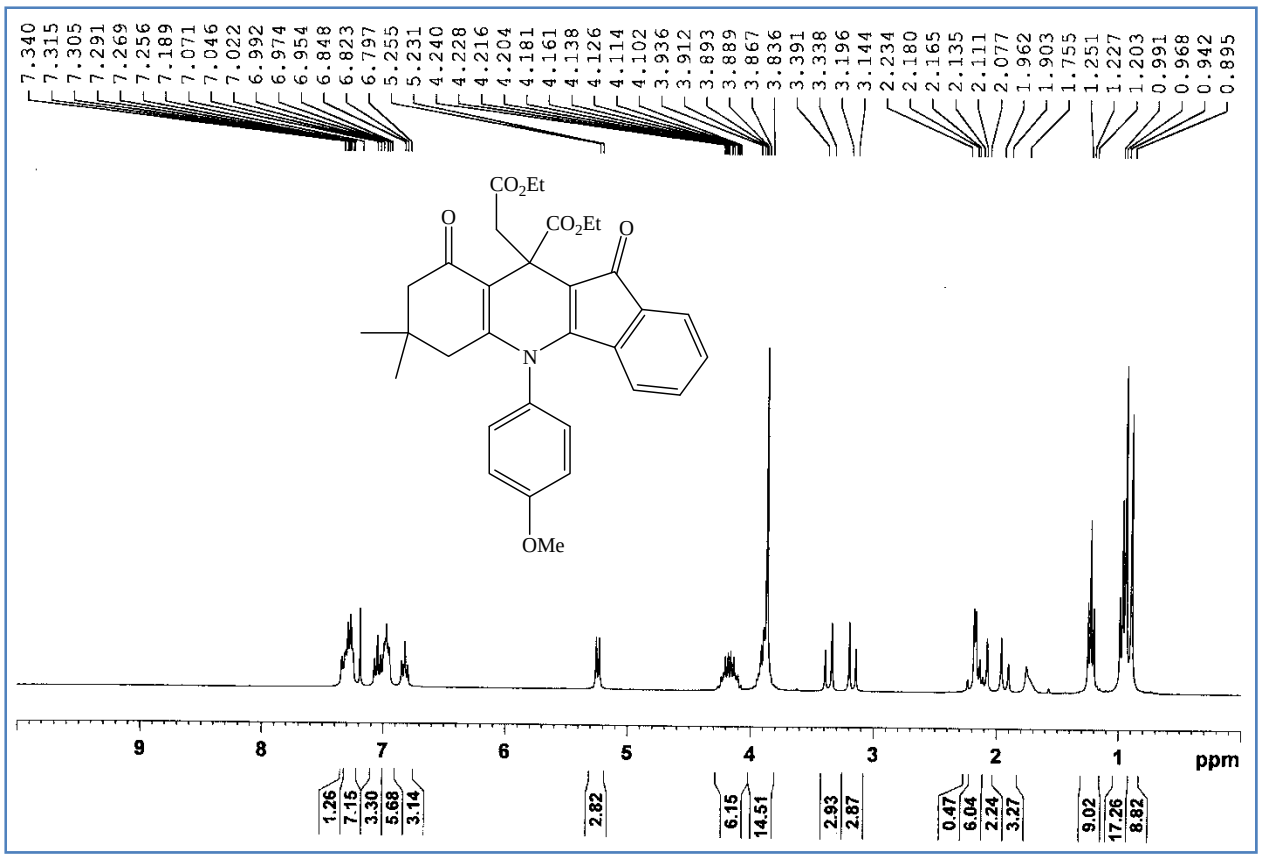

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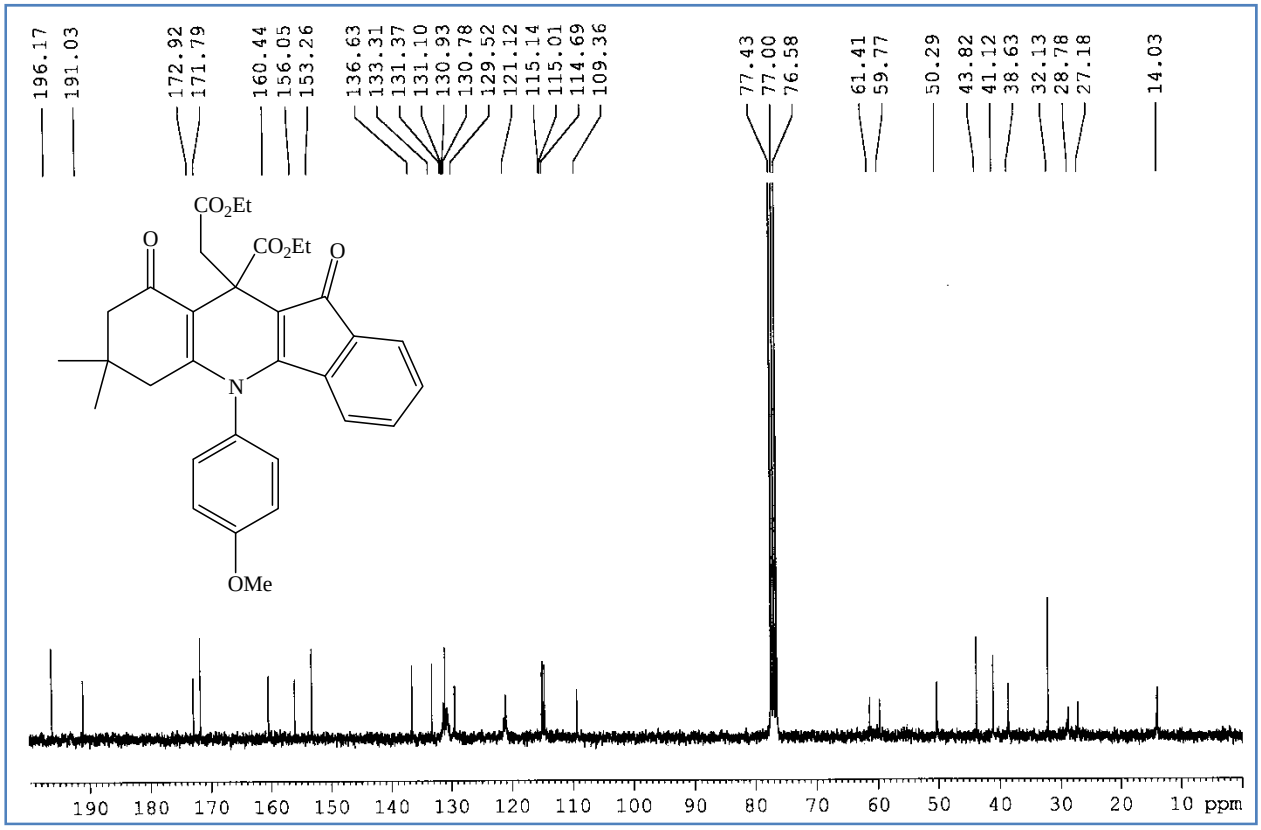

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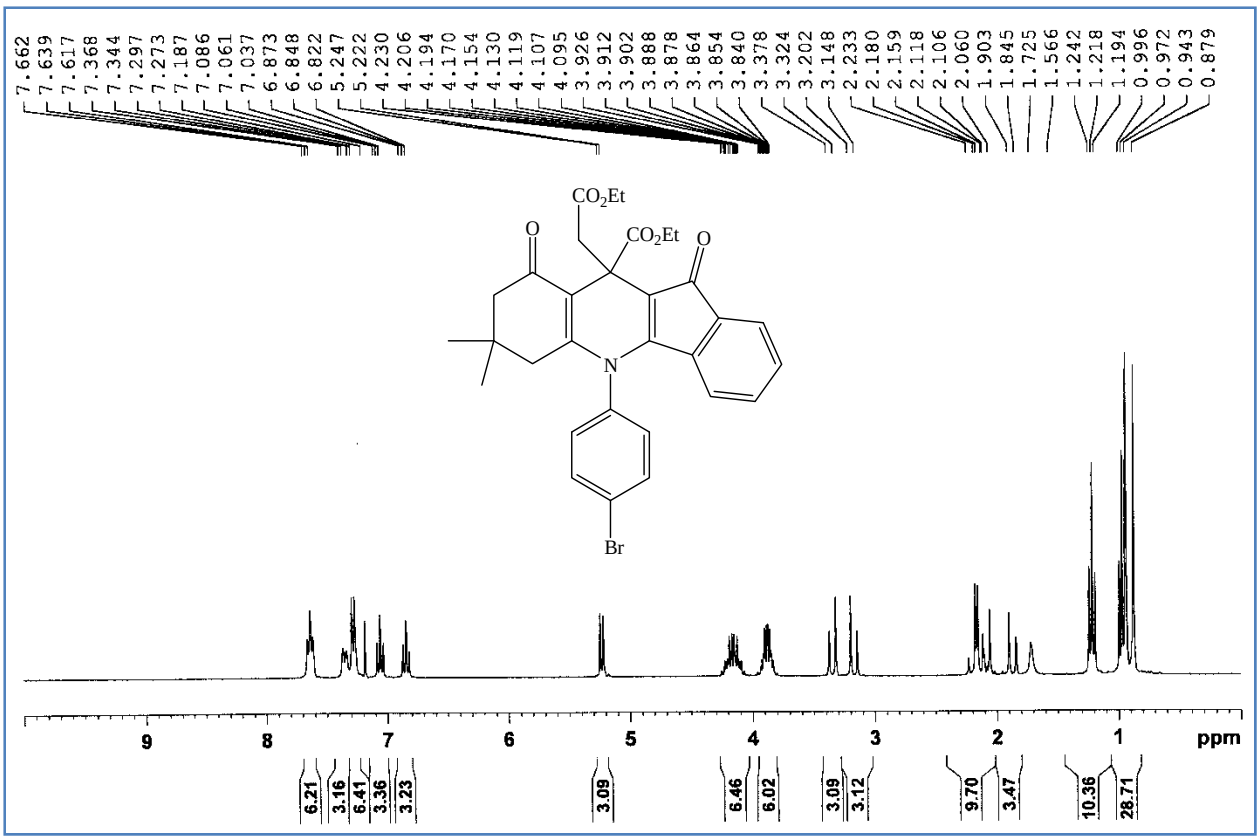

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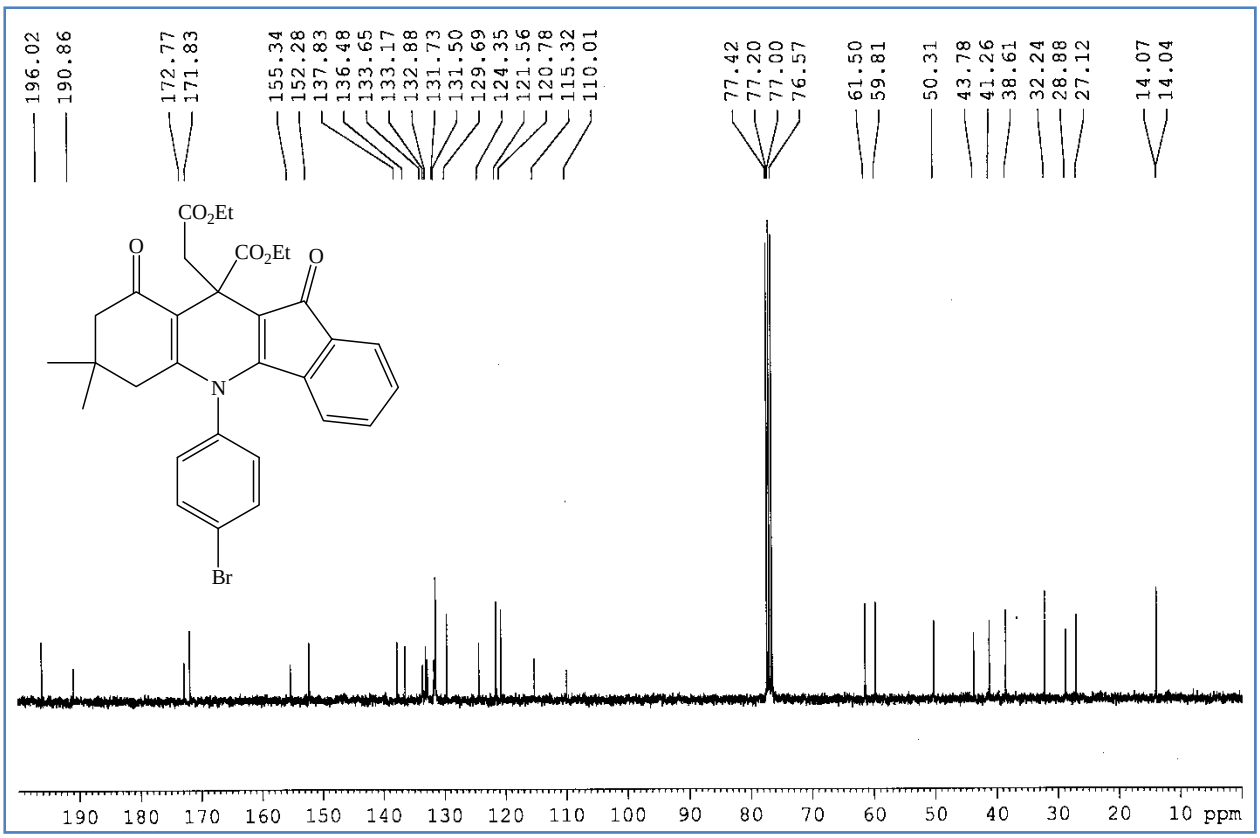

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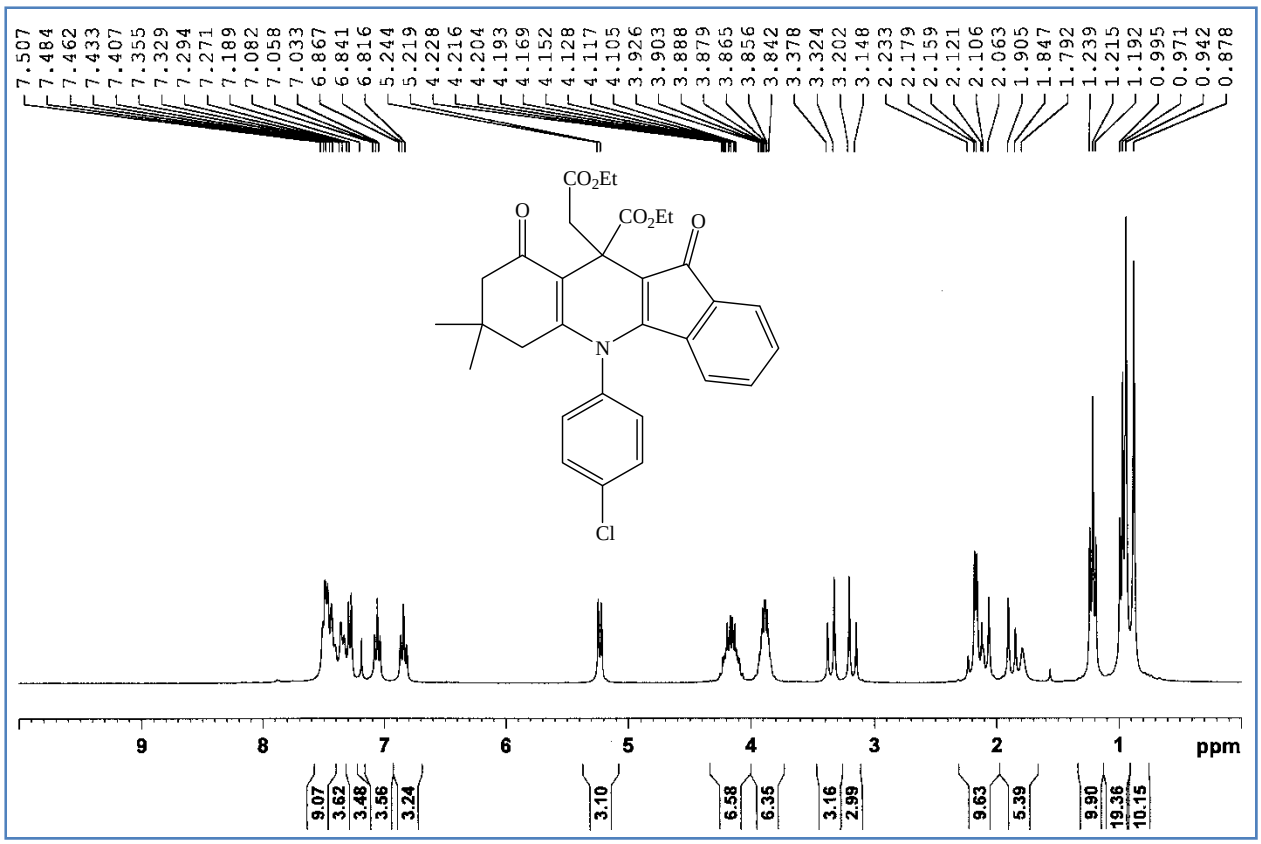

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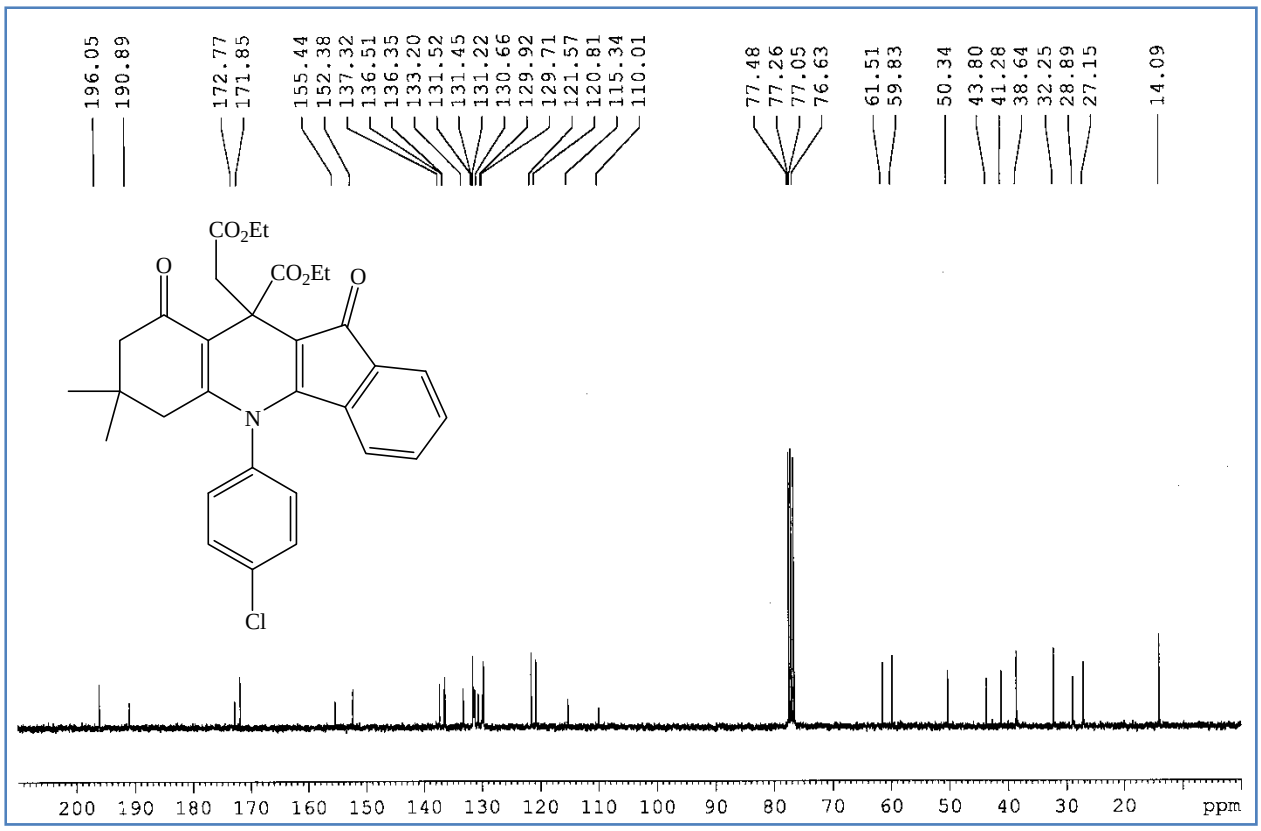

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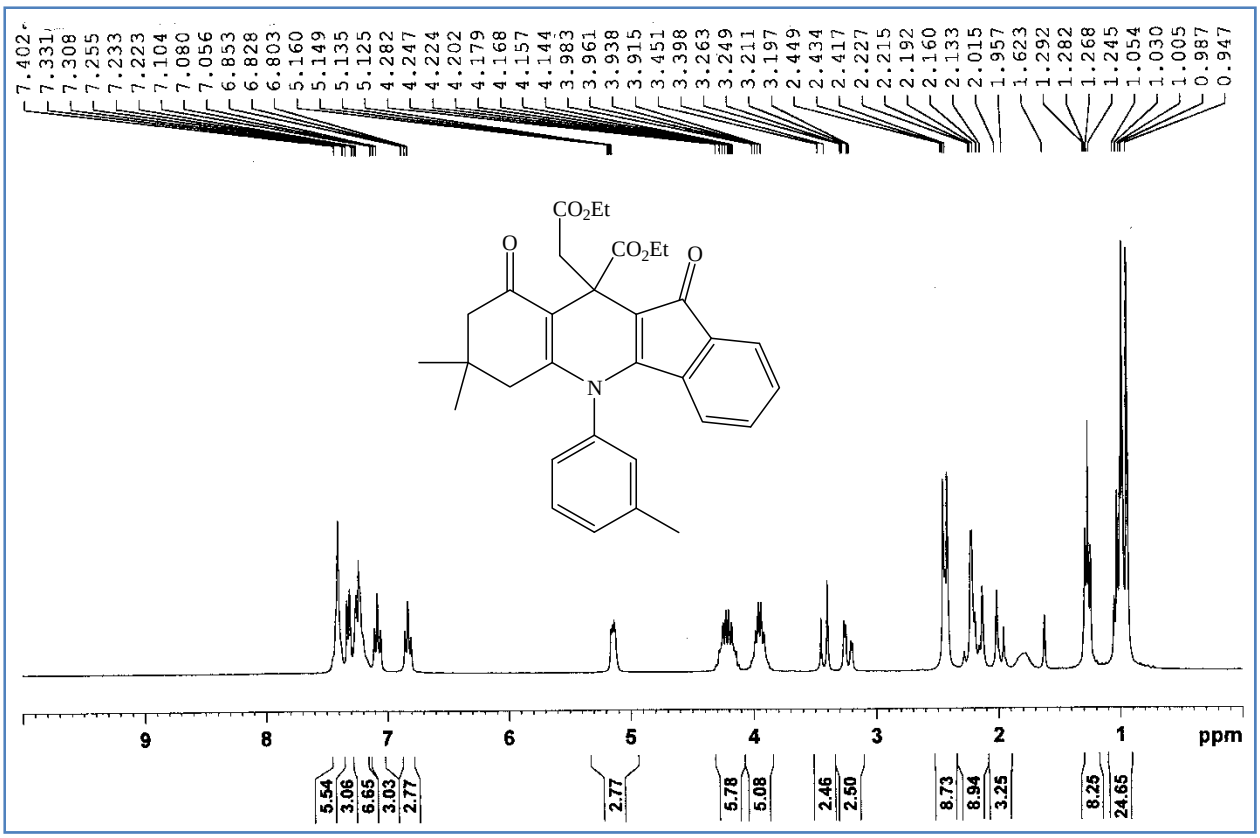

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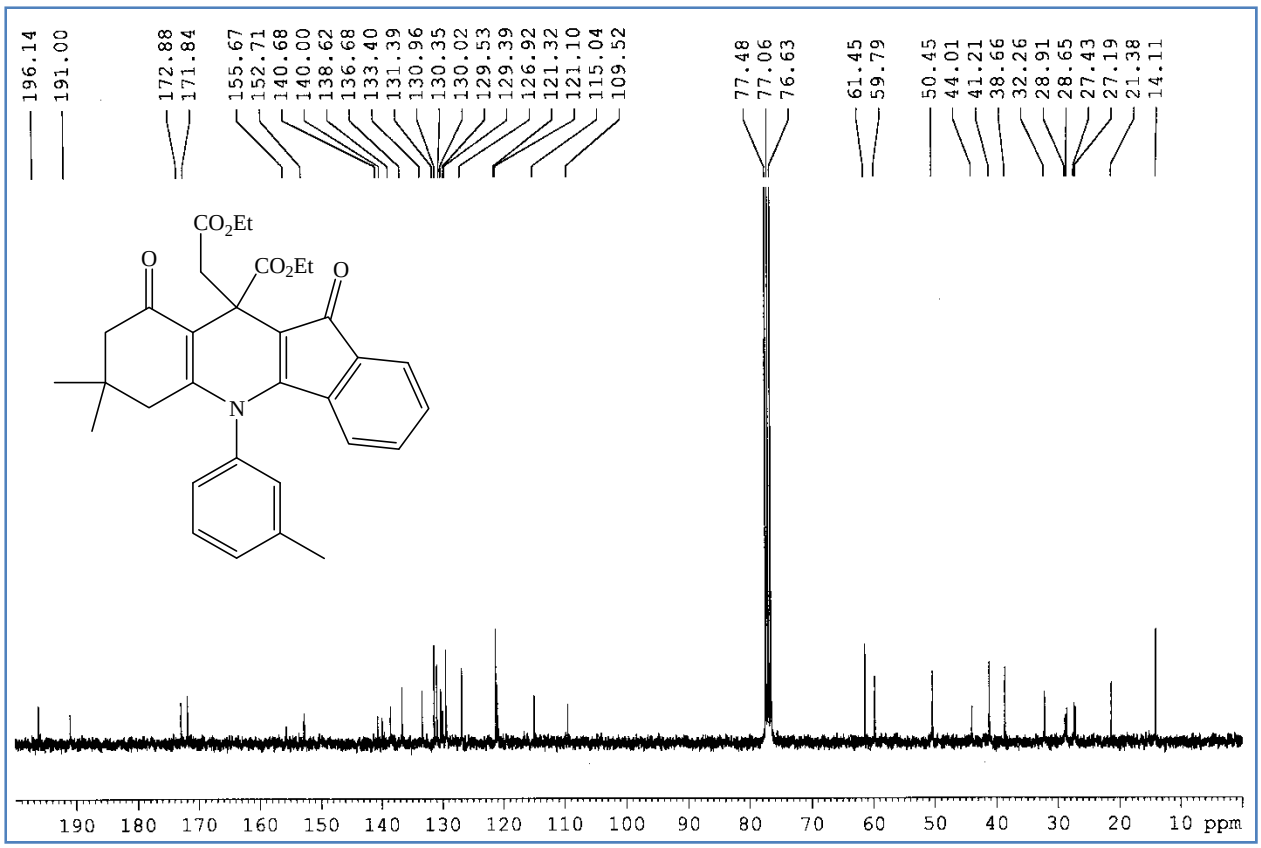

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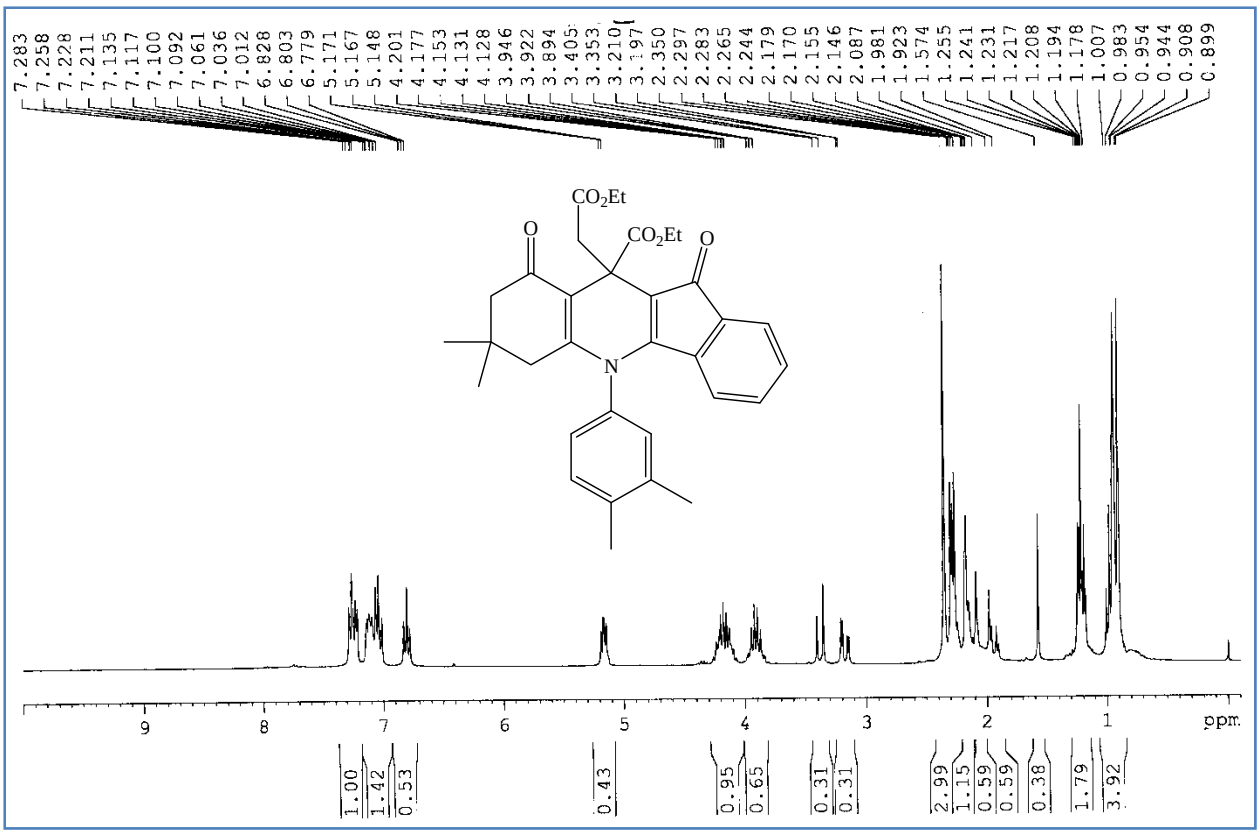

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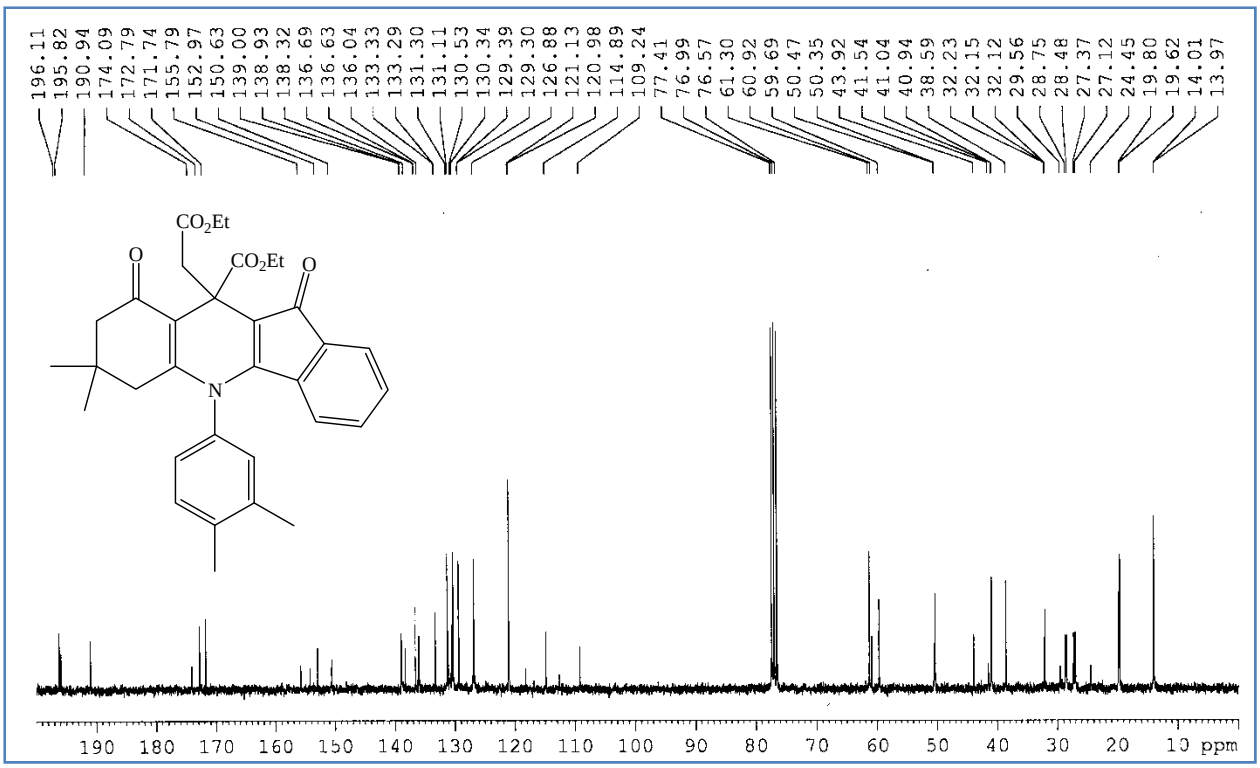

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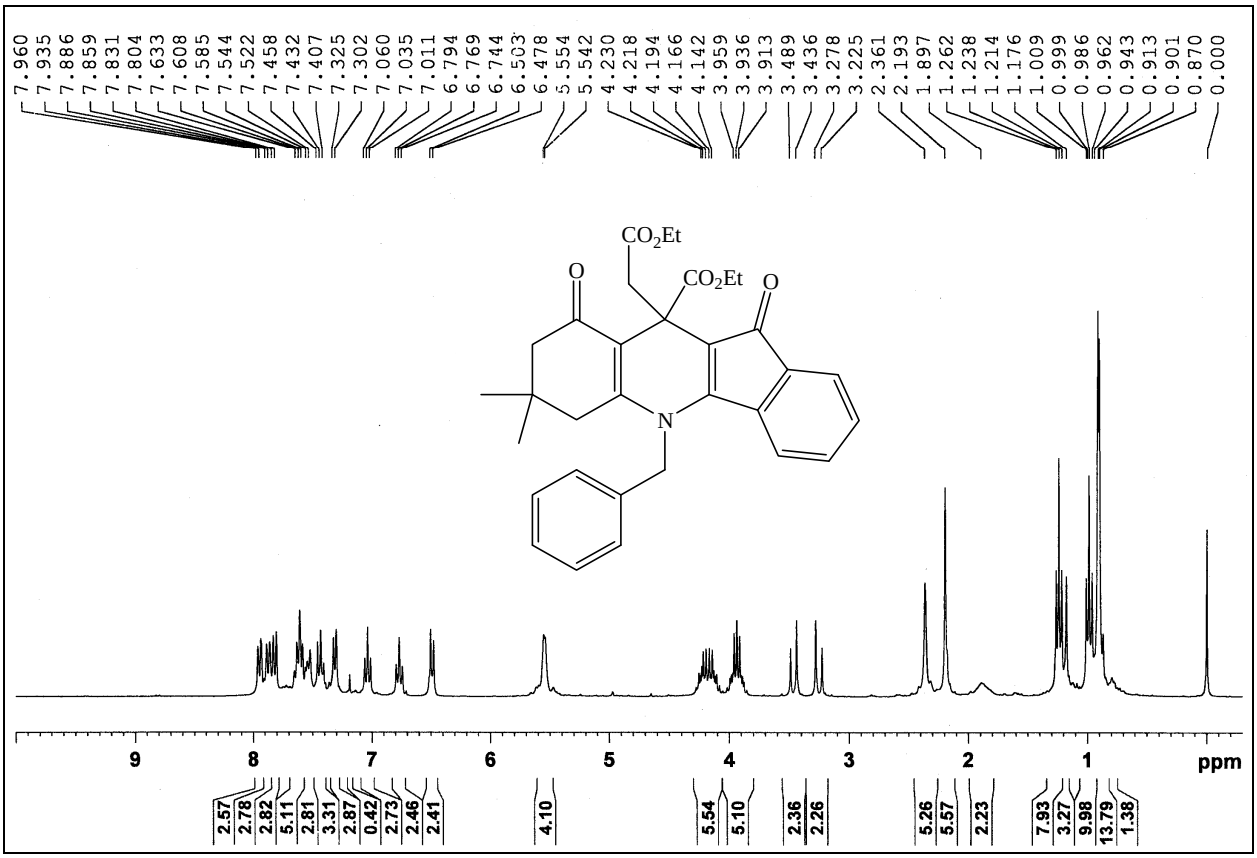

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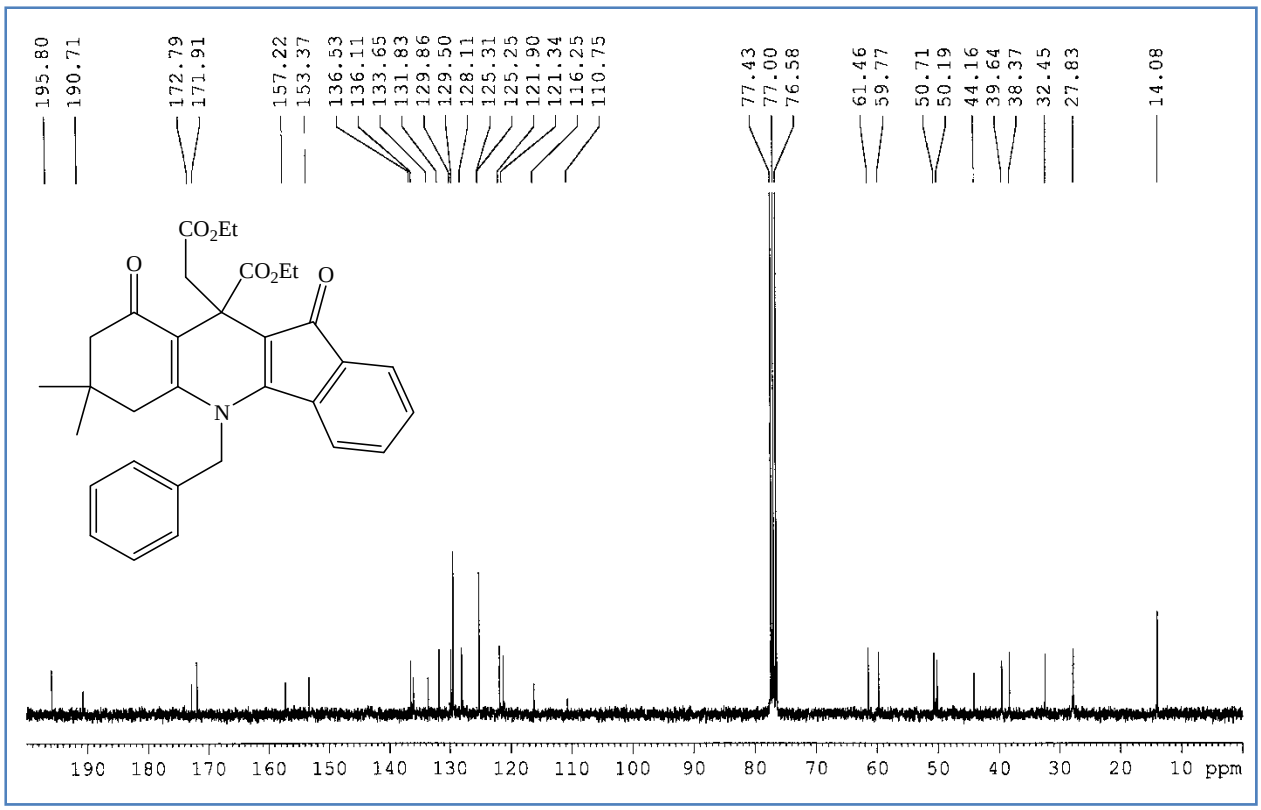

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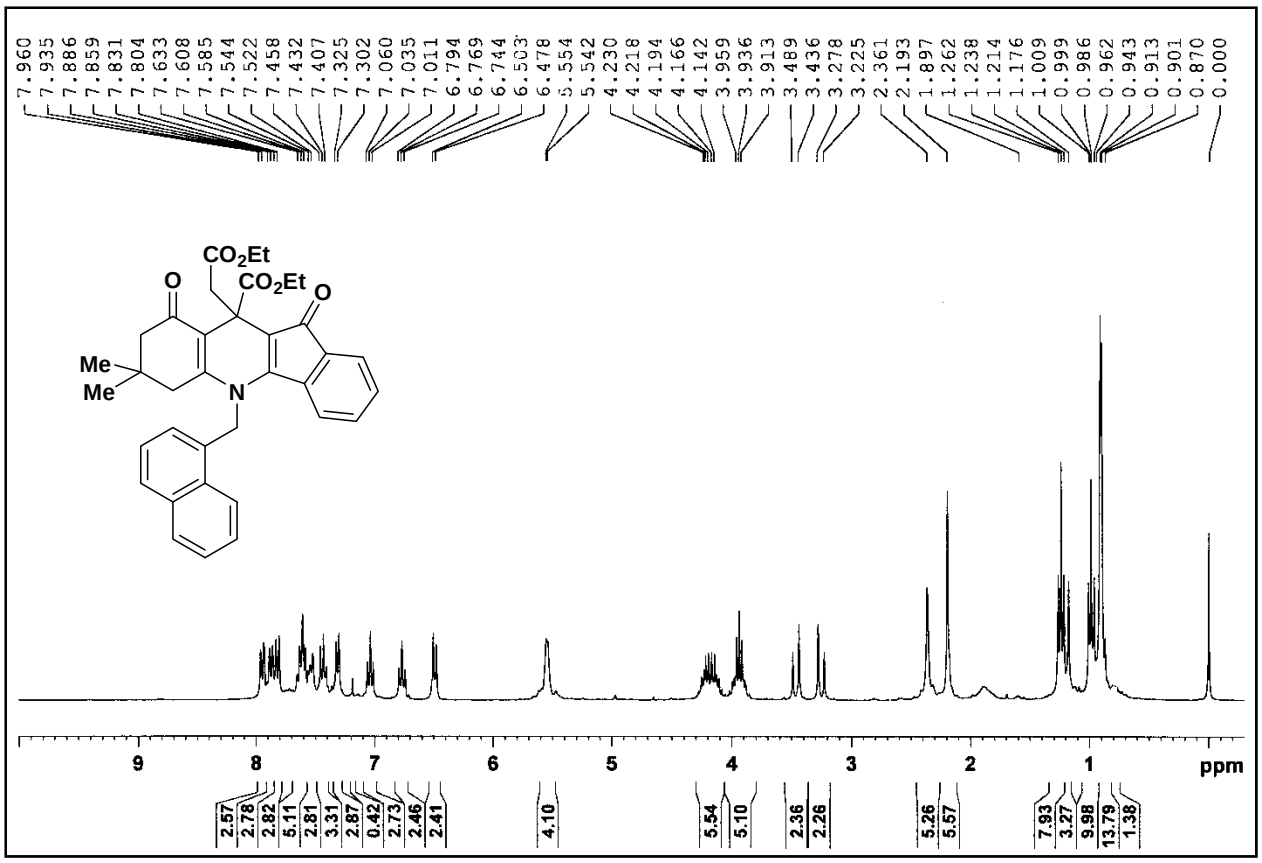

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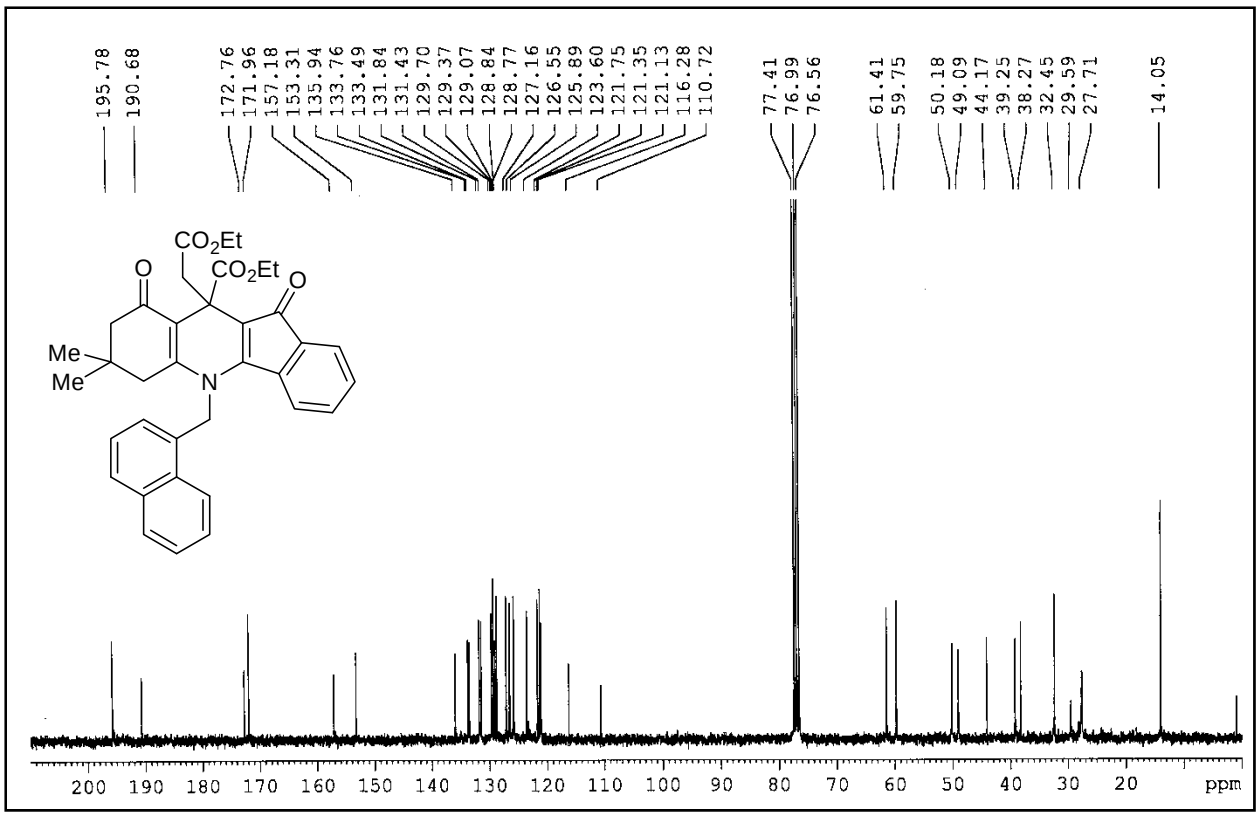

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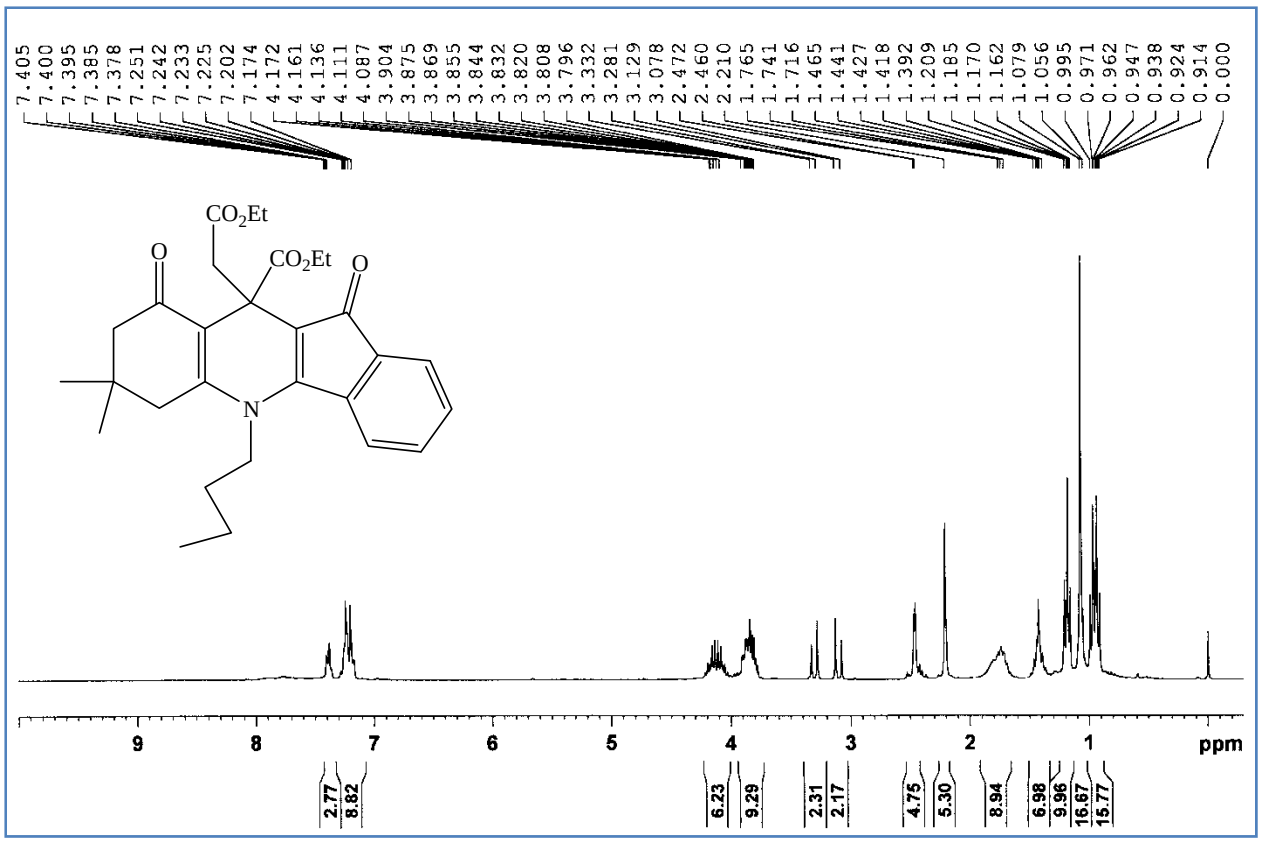

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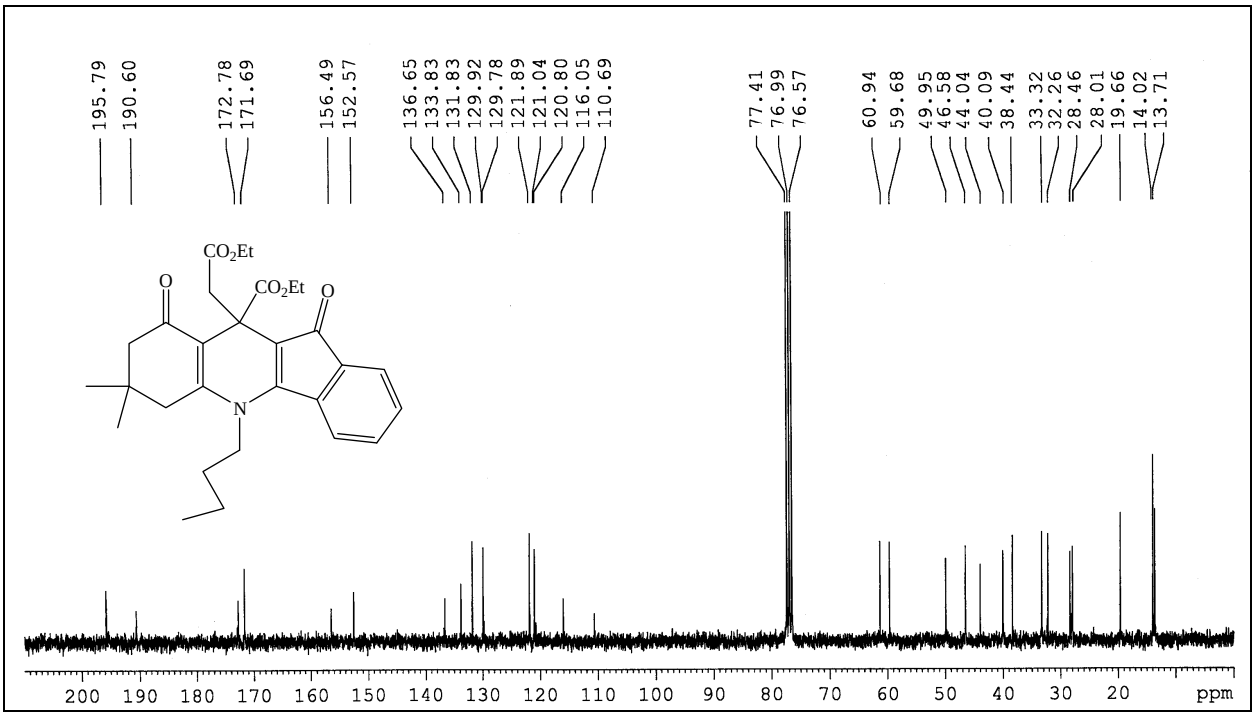

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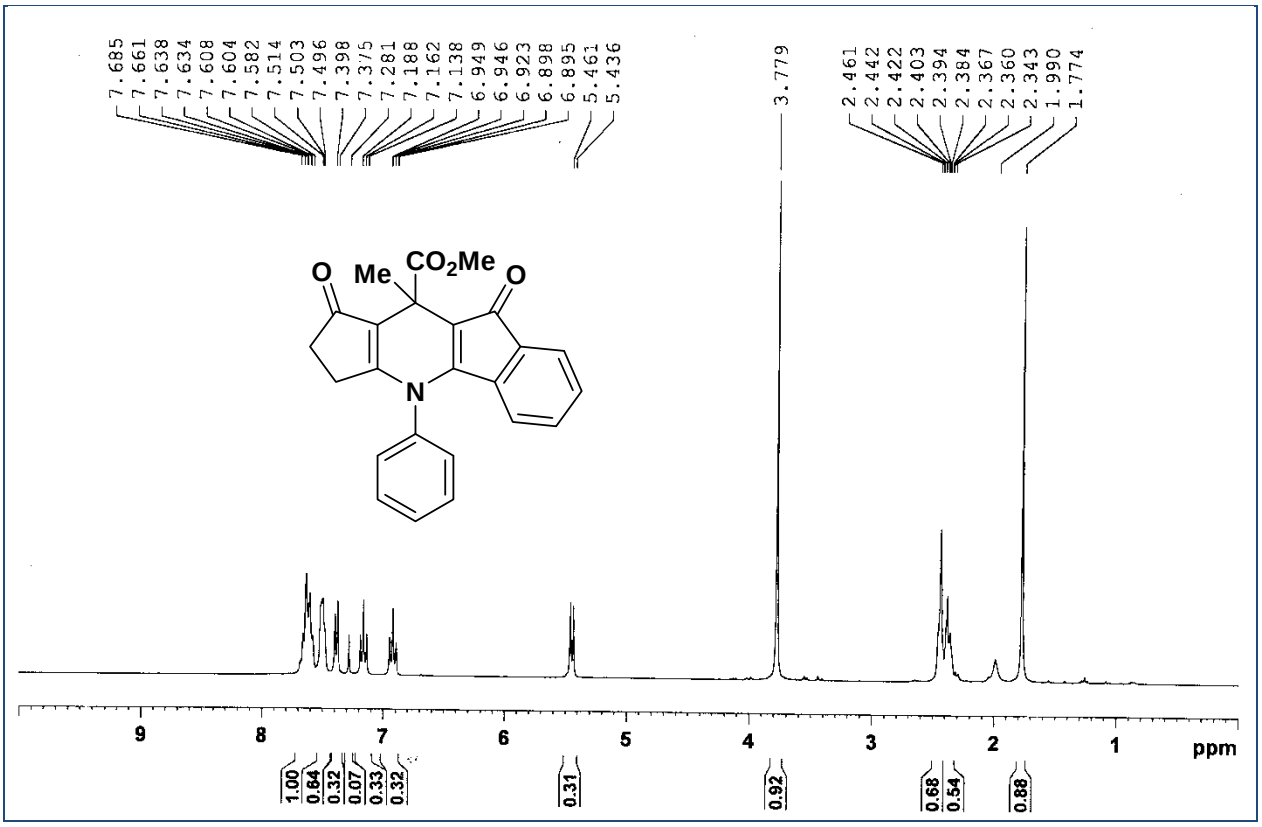

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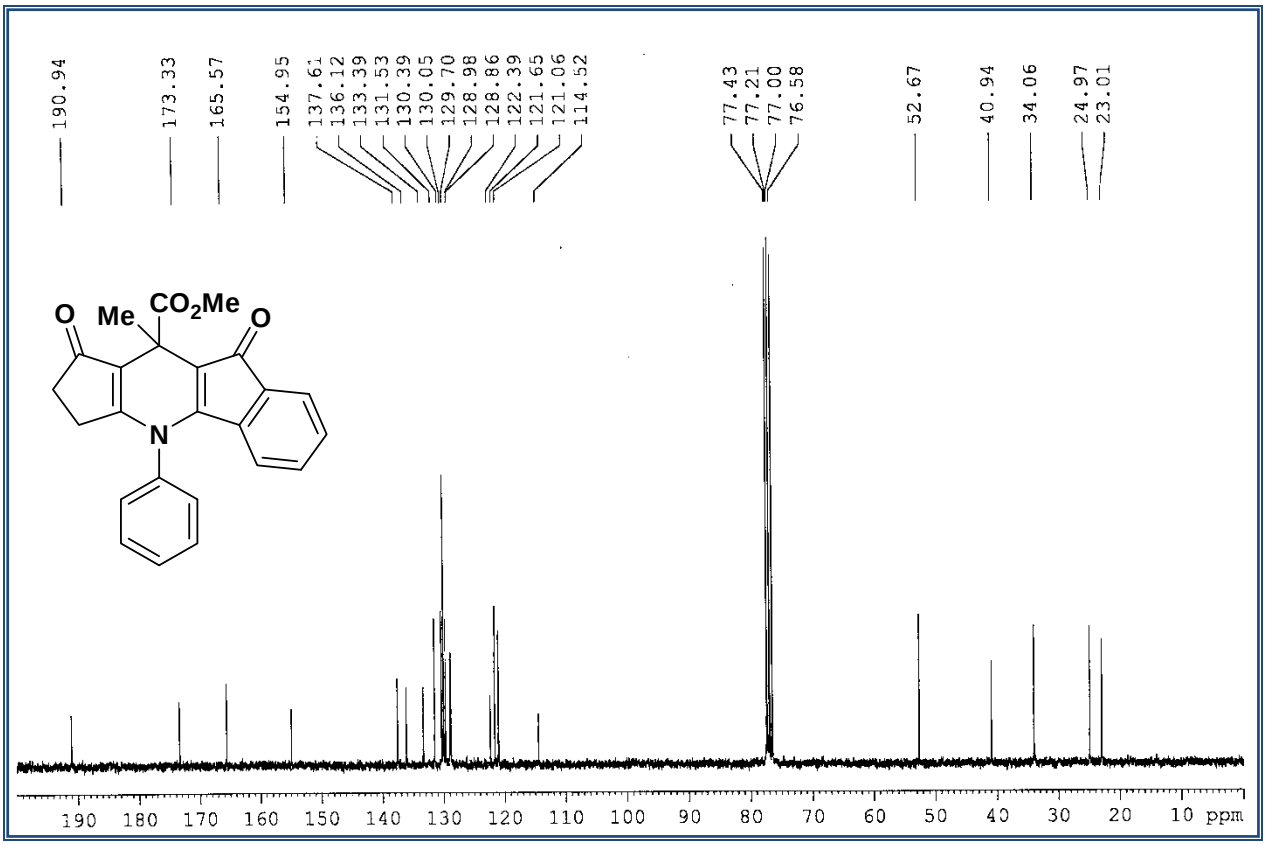

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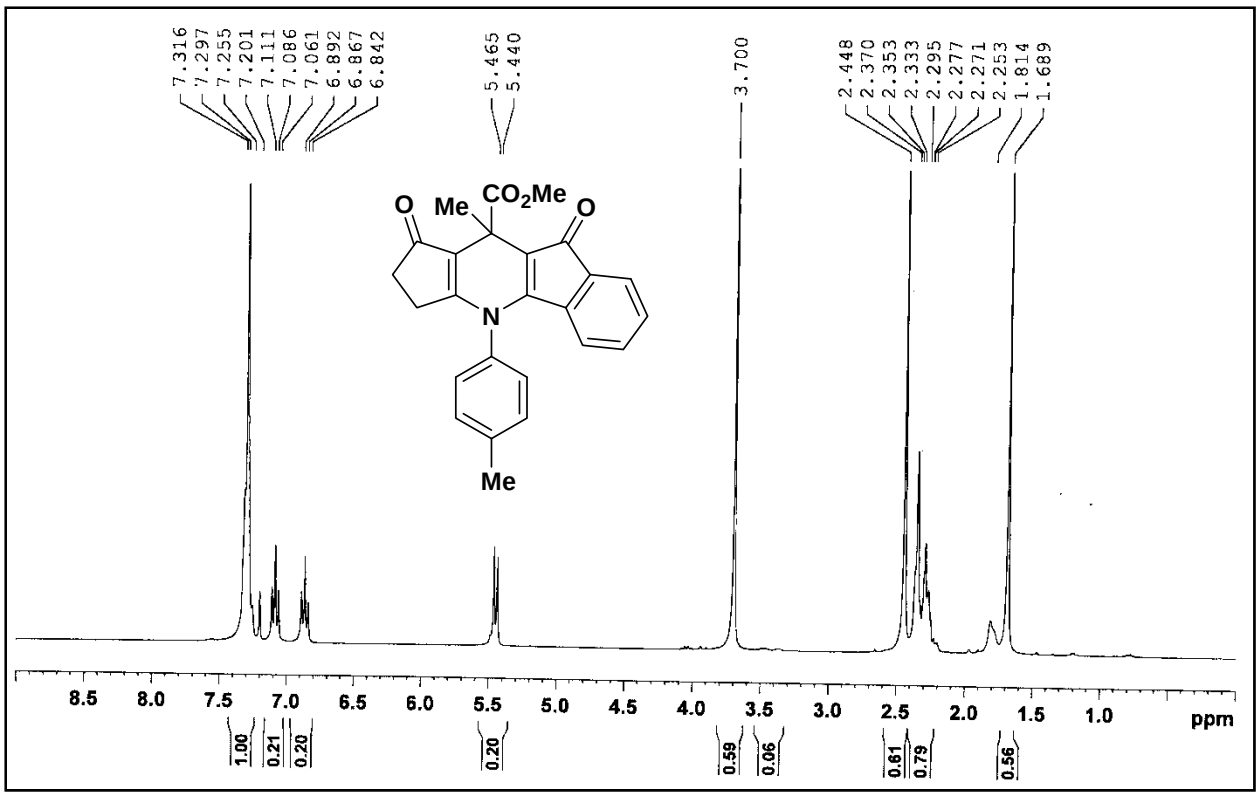

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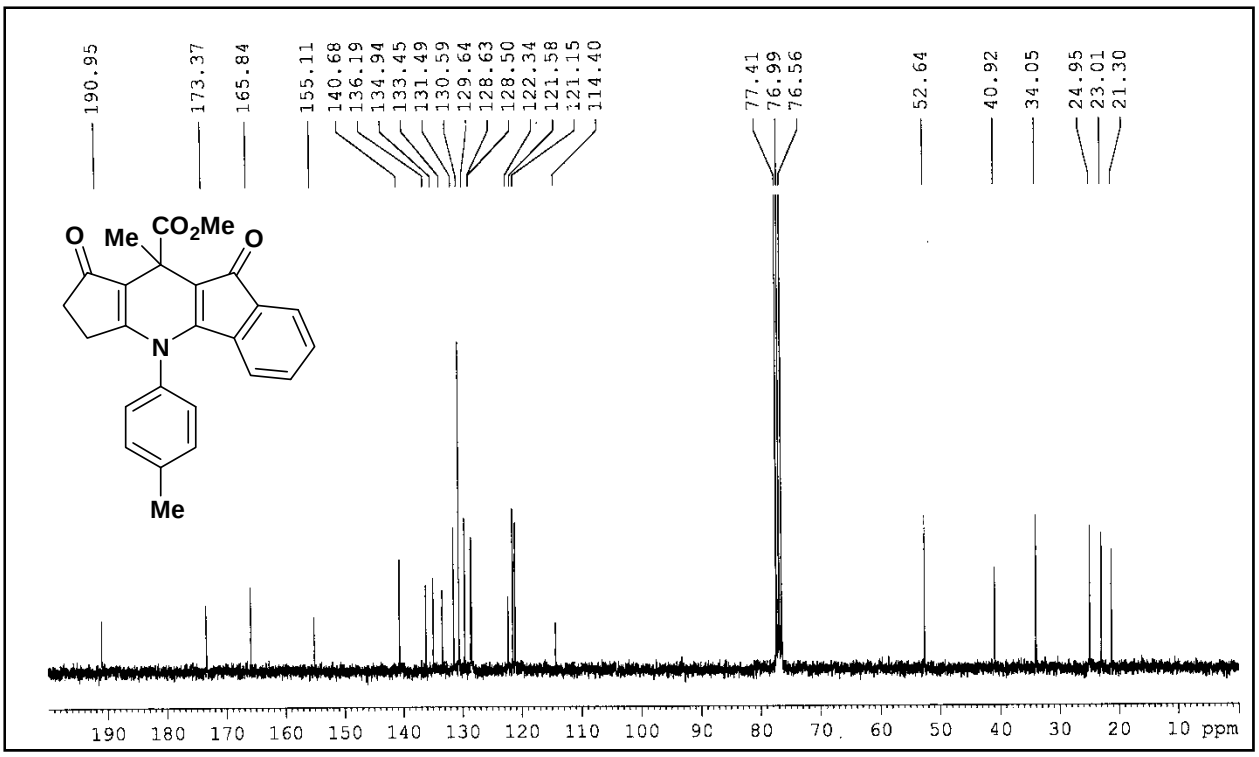

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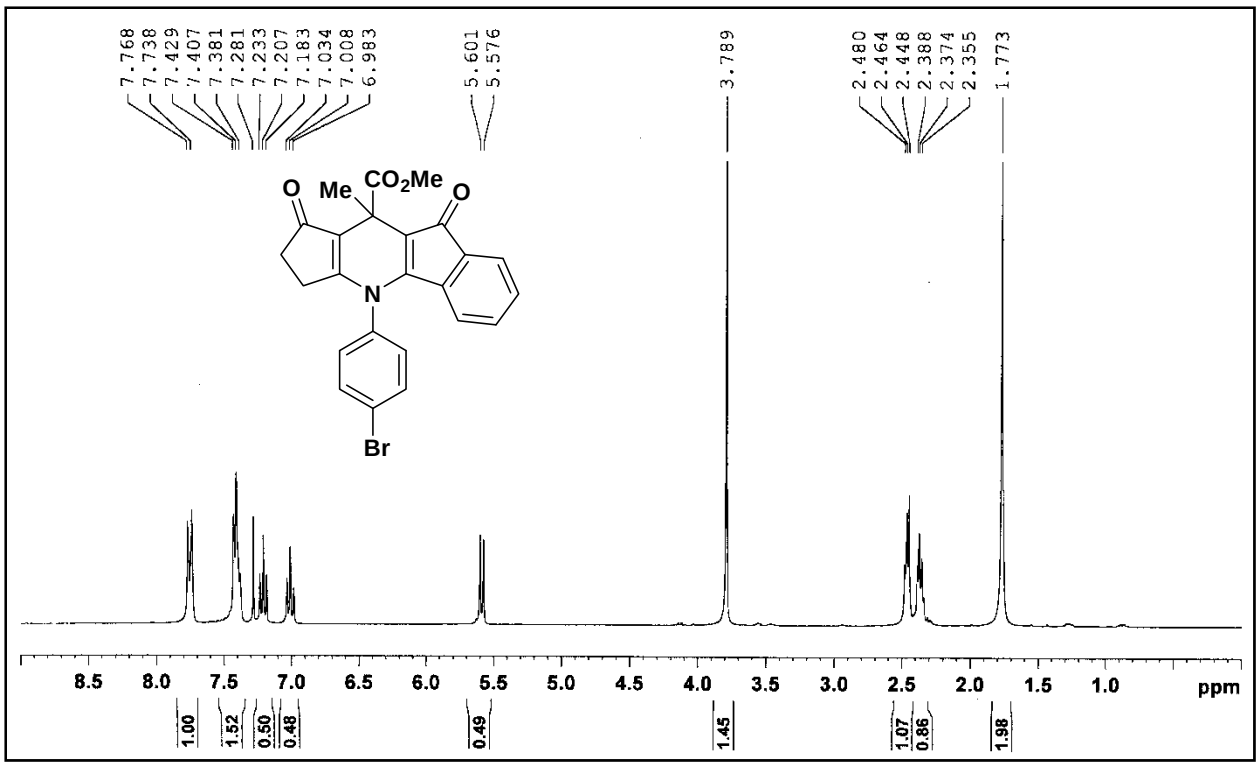

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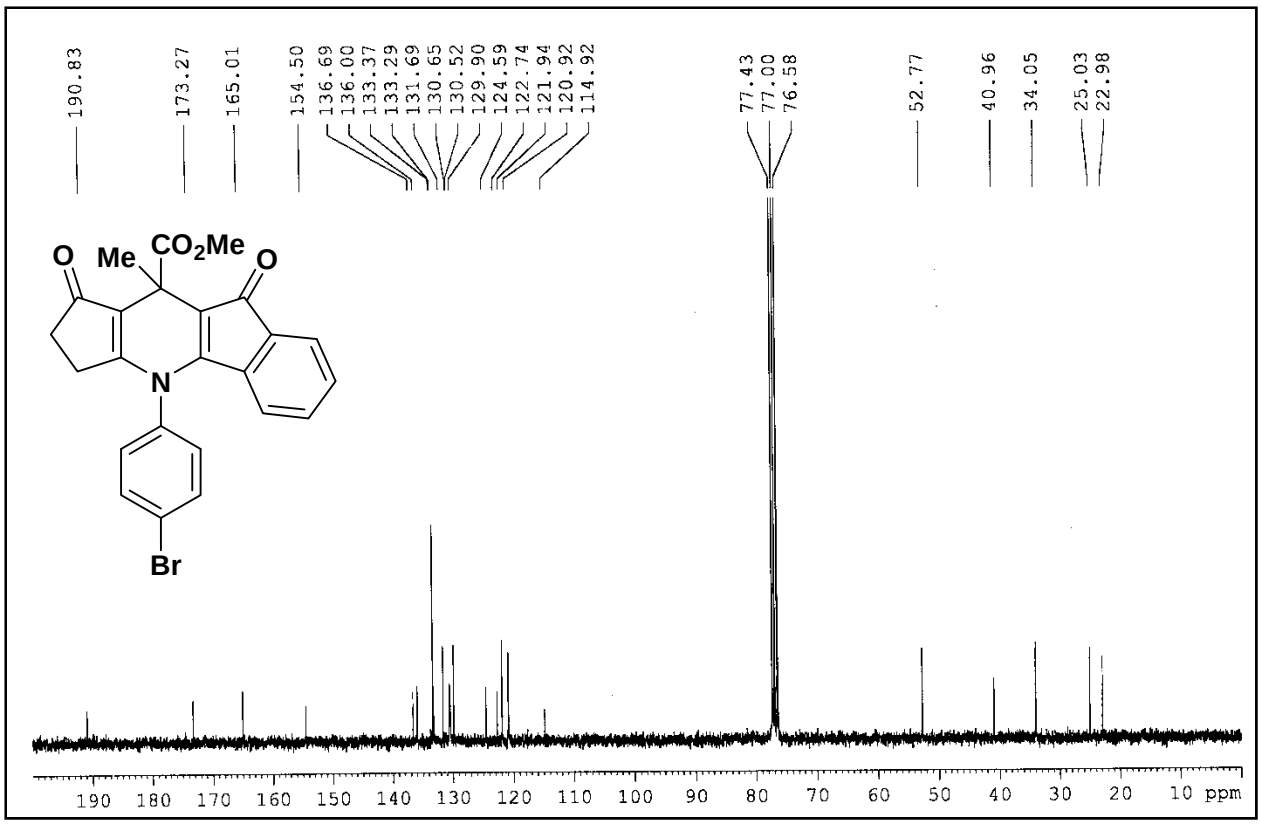

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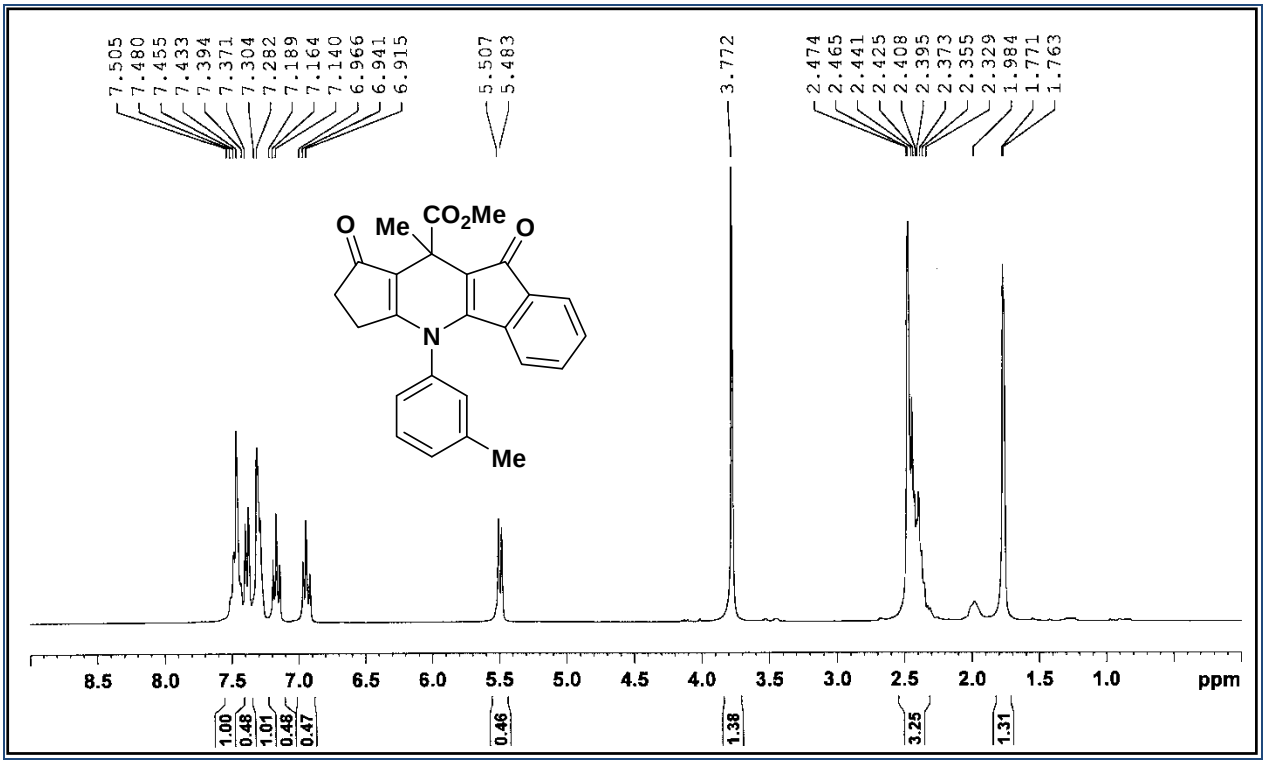
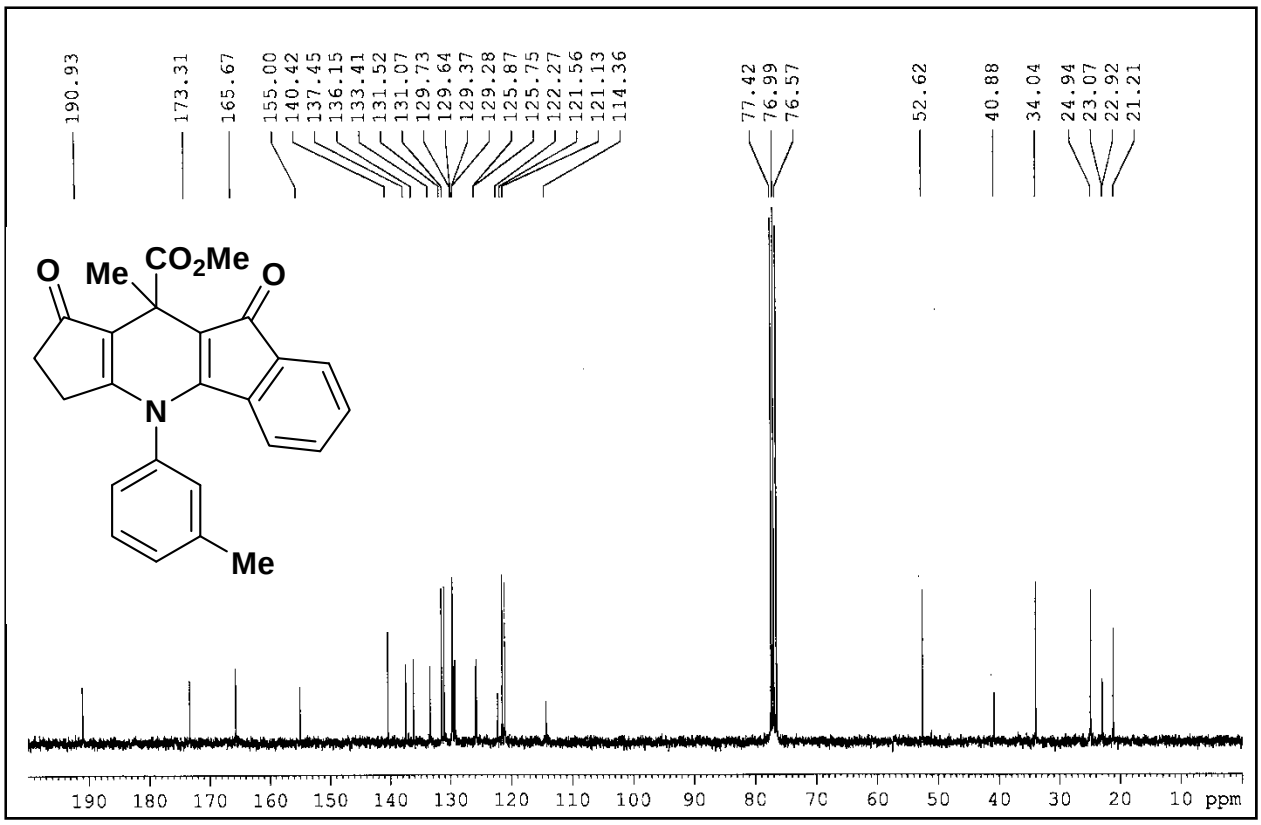
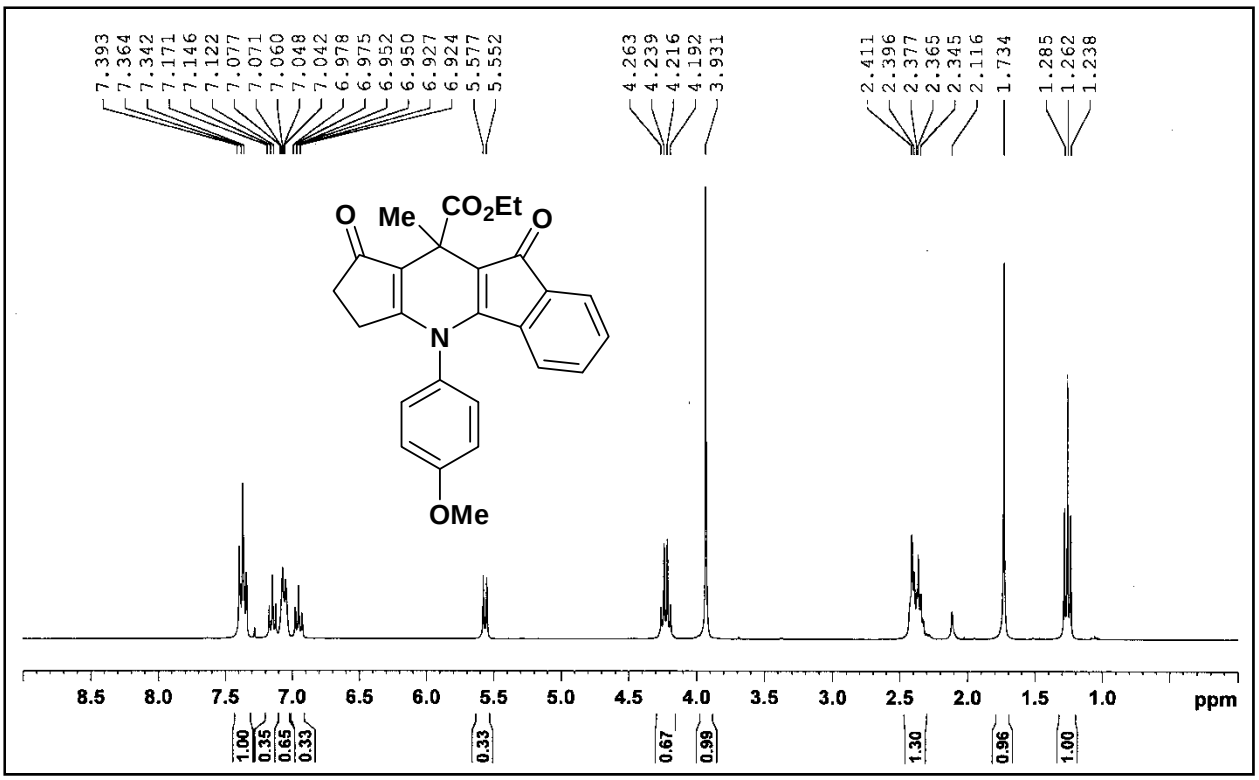


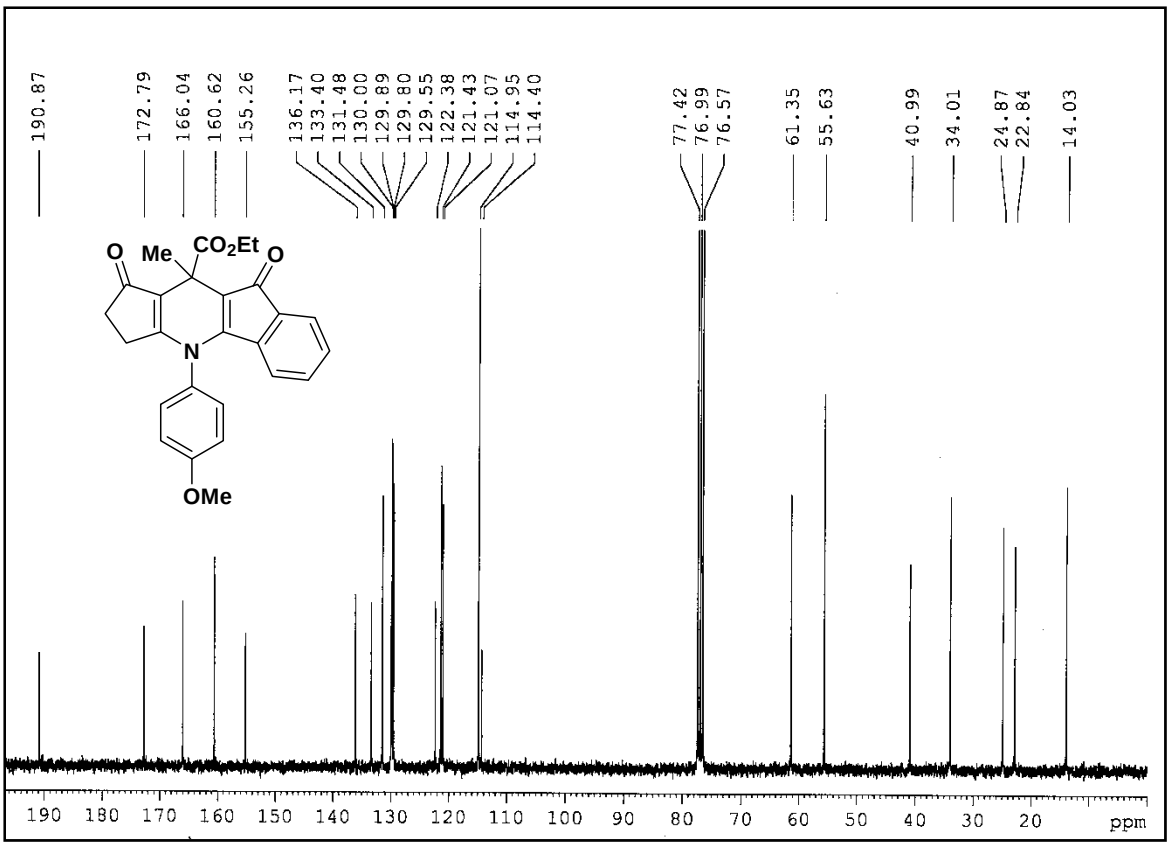
^{1}H NMR of compound **10d**



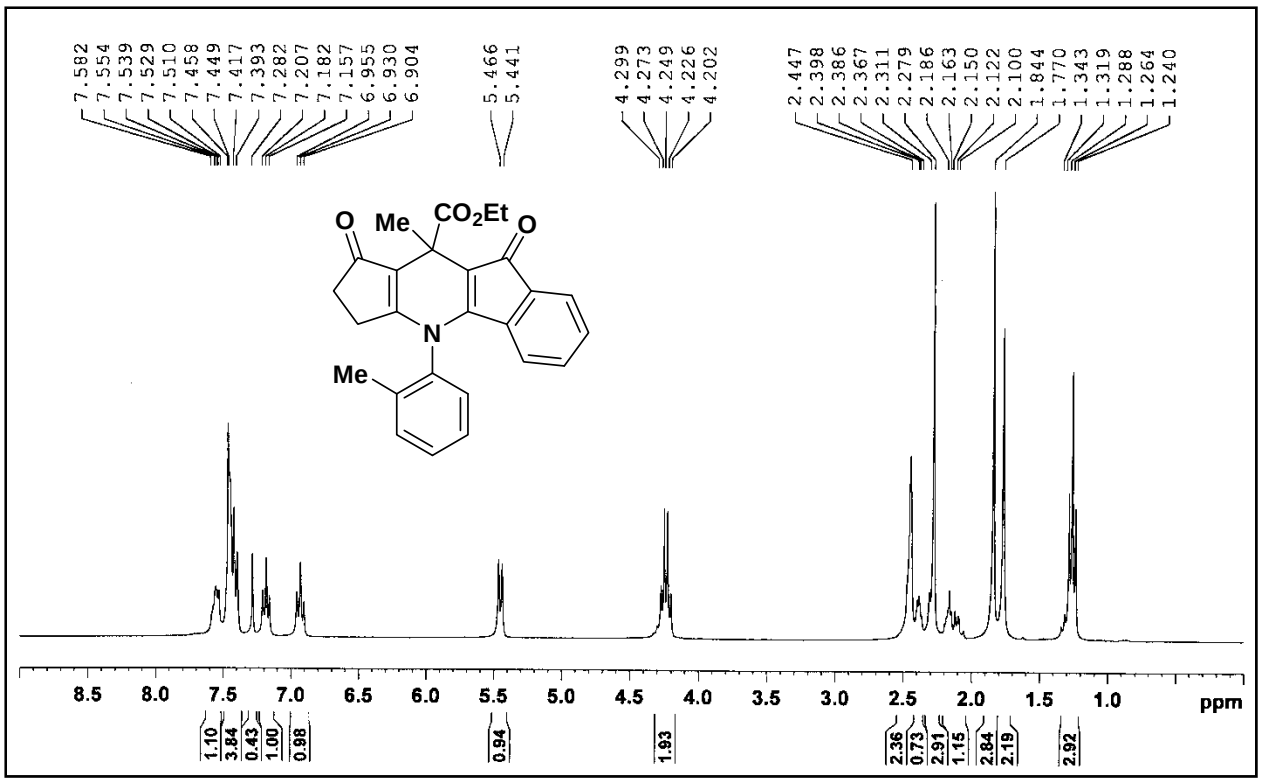
^{13}C NMR of compound **10d**



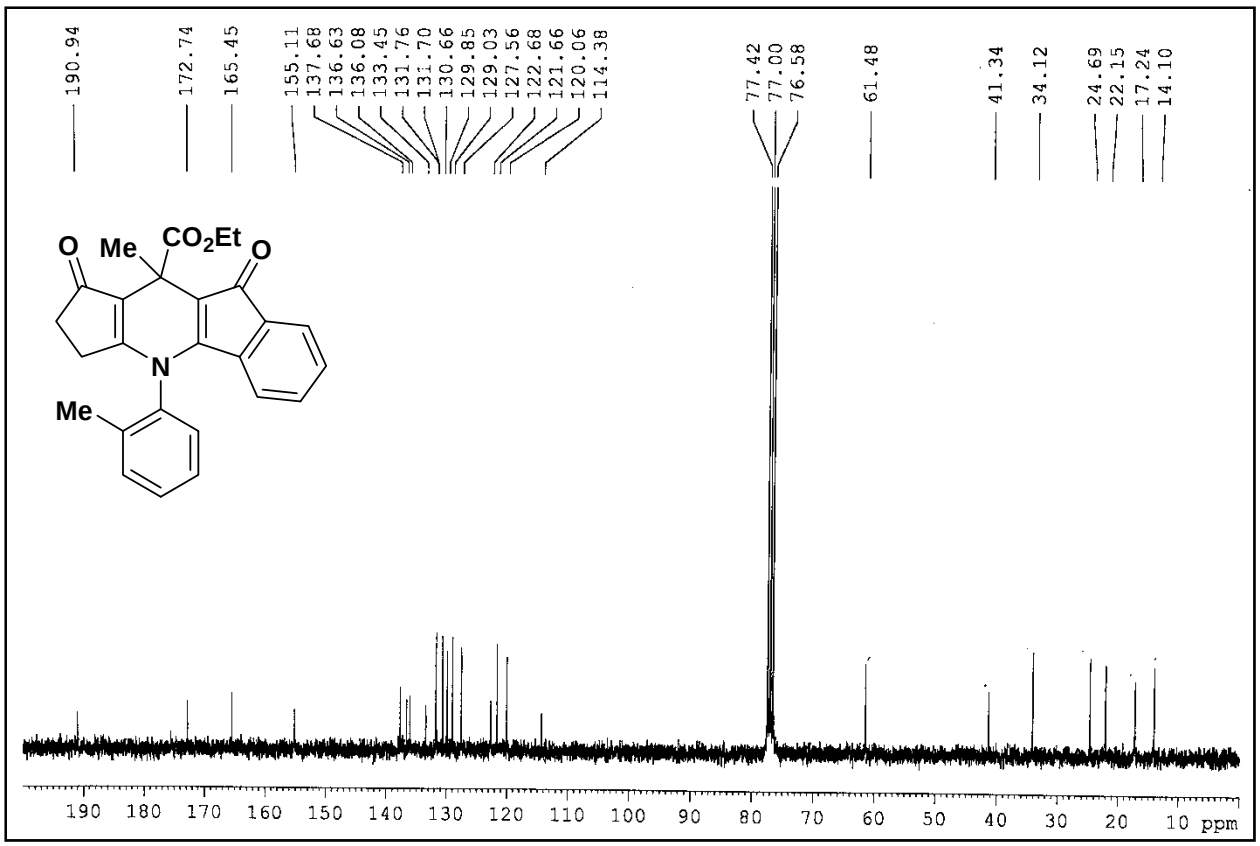
^{1}H NMR of compound **10e**



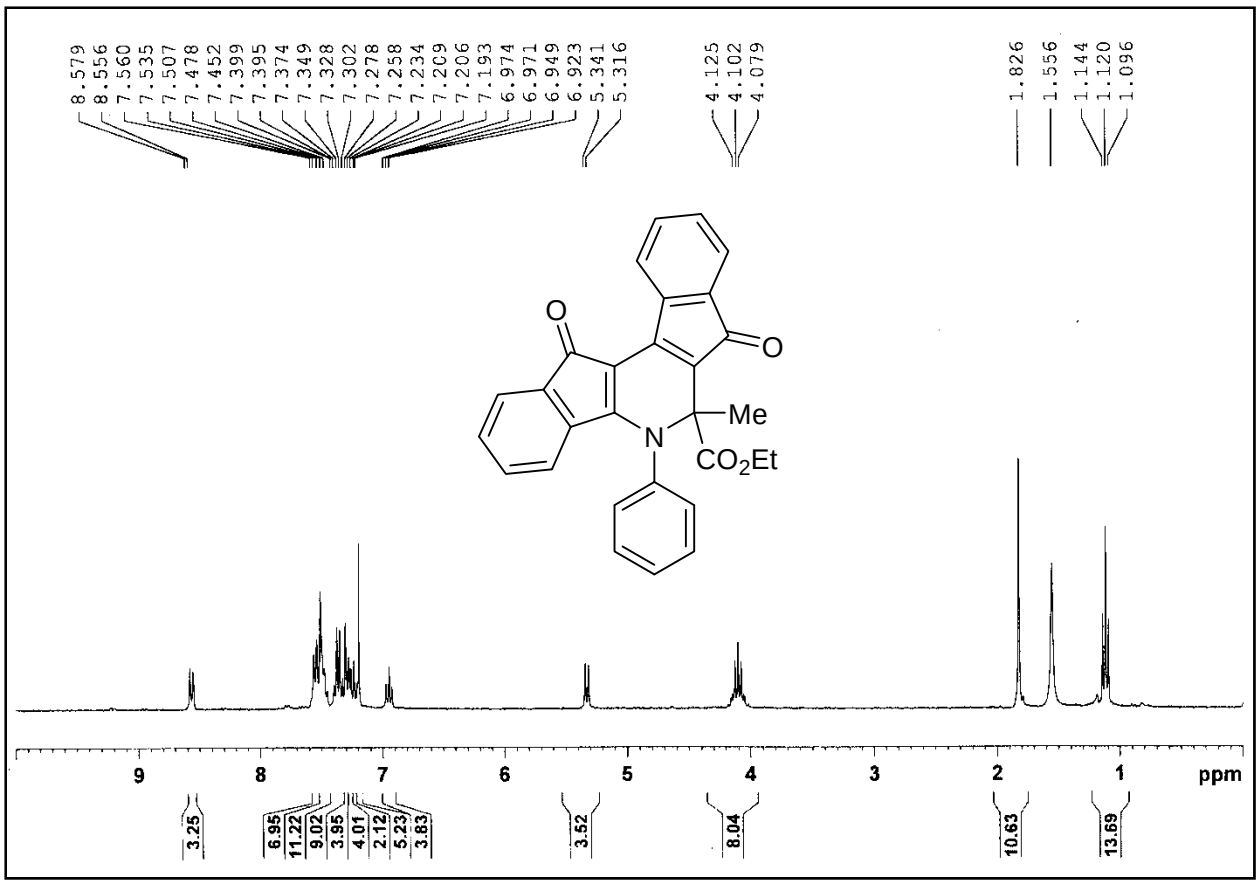
^{13}C NMR of compound **10e**



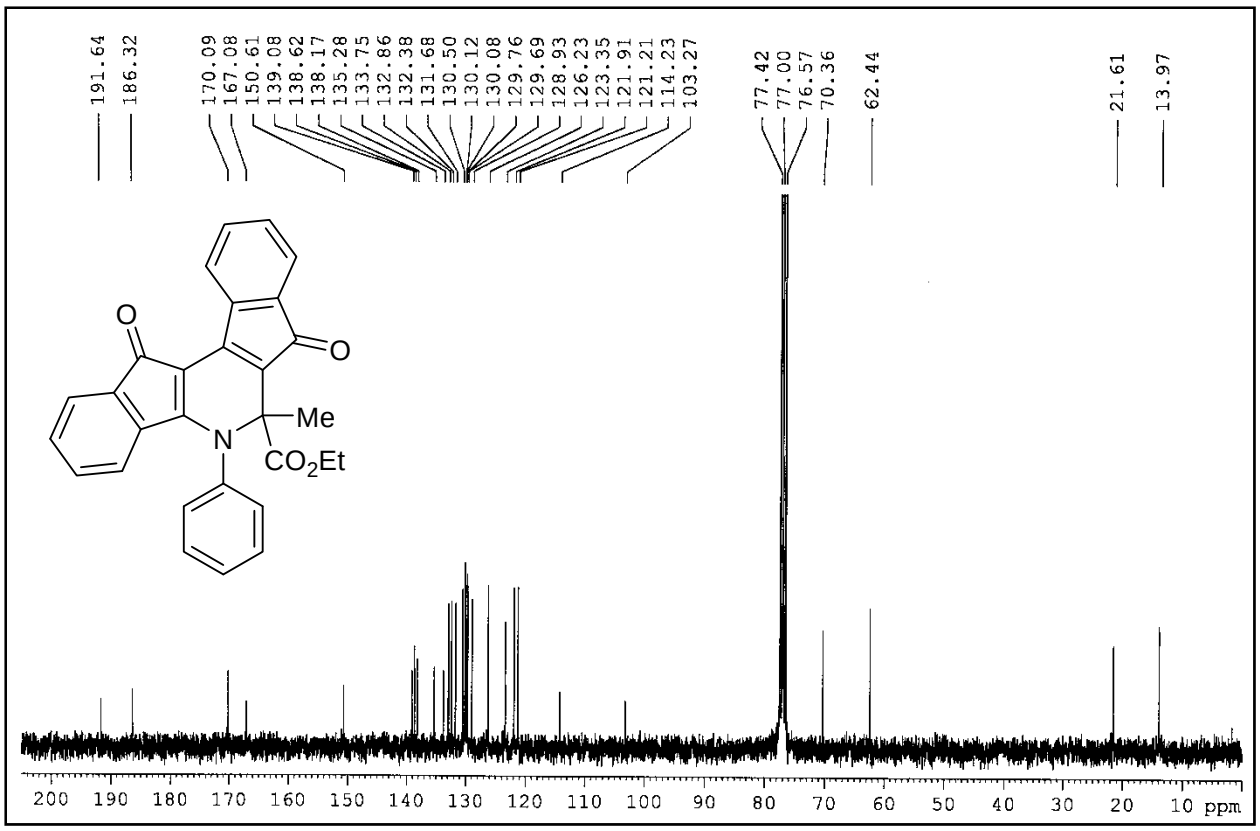
^{1}H NMR of compound **10f**



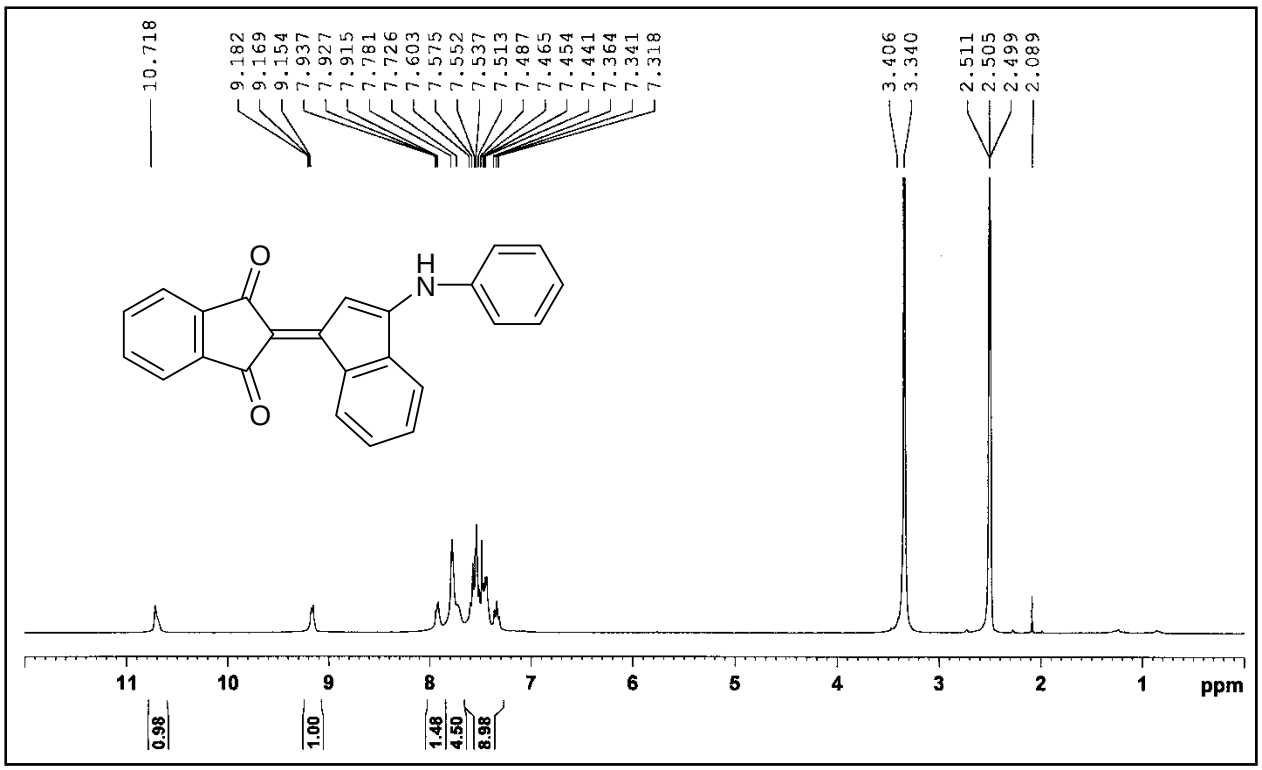
^{13}C NMR of compound **10f**



^{1}H NMR of compound **5**



^{13}C NMR of compound **5**



^{1}H NMR of compound **6**

We are not able to take the ^{13}C NMR of the compound (**6**) due to poor solubility in the NMR solvent.

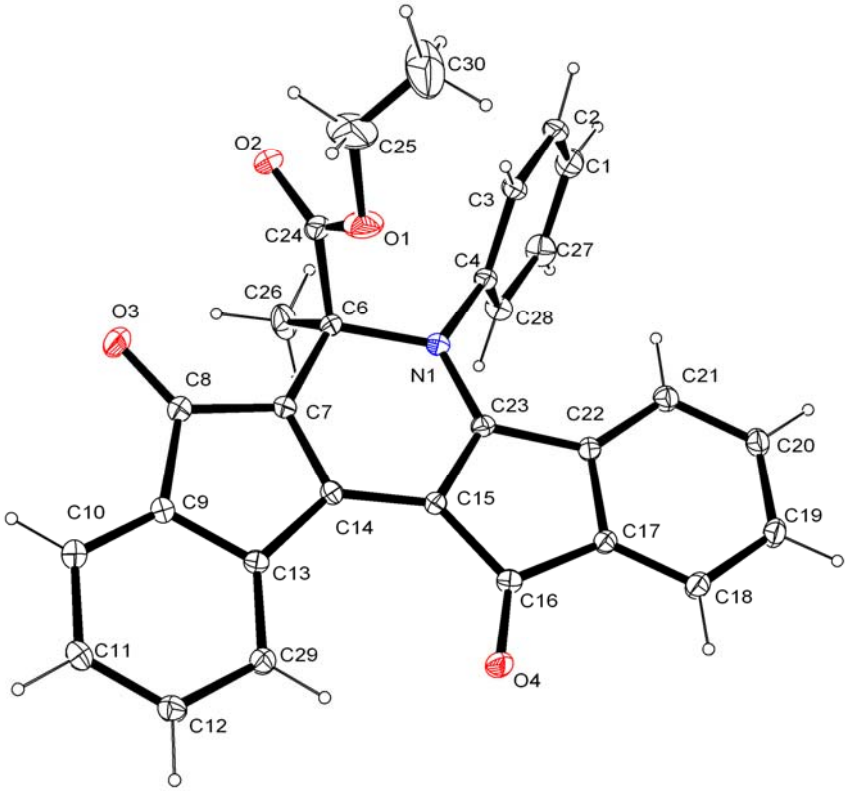


Figure 6: ORTEP plot of a single crystal of the 5,6,7,12-tetrahydro-6-methyl-7,12-dioxo-5-phenylindeno[1,2,3,2-bcd]pyridine-6-carboxylate **(5)** (**CCDC 905877**) showing the crystallographic numbering.