

Supplementary Material

Design and synthesis of novel thiazolo[5,4-d]pyrimidine derivatives with high affinity for both the adenosine A₁ and A_{2A} receptors, and efficacy in animal models of depression.

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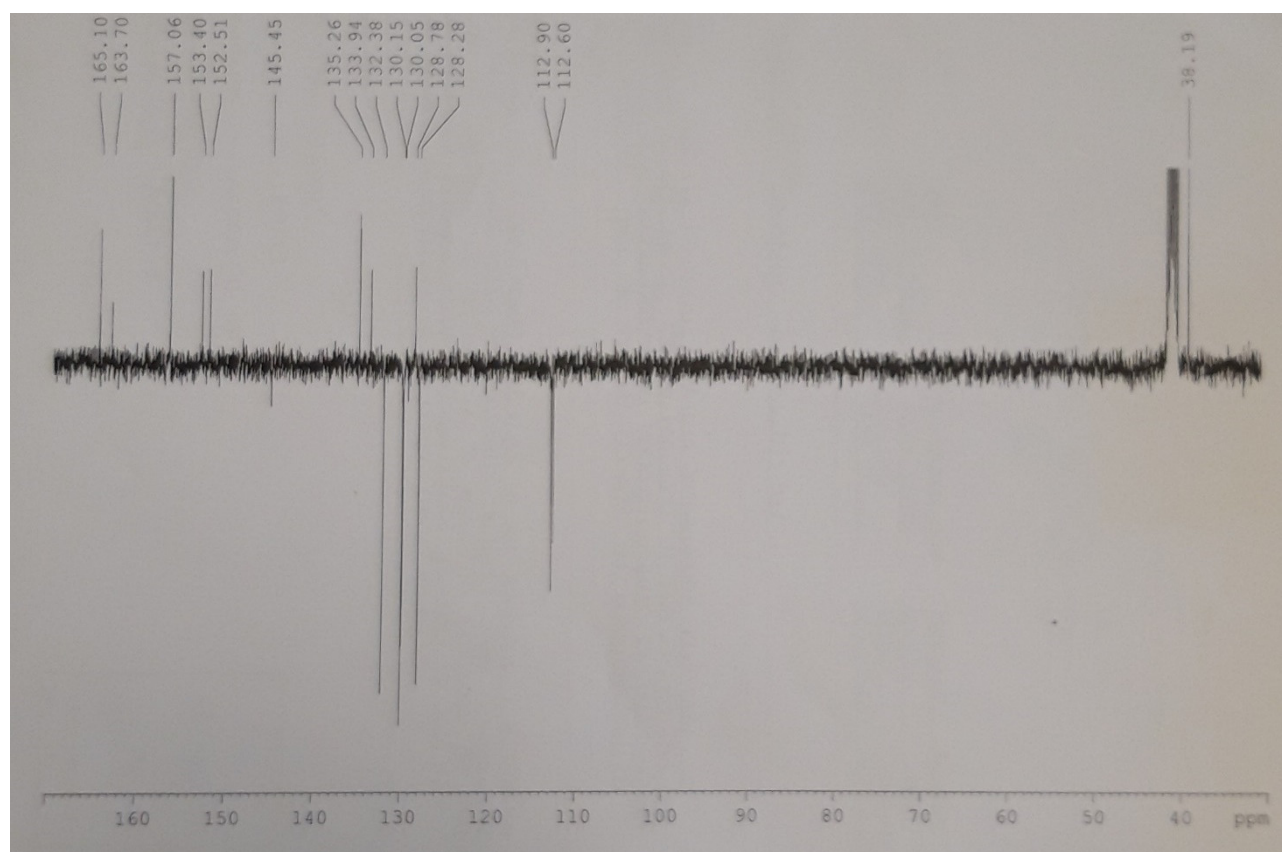
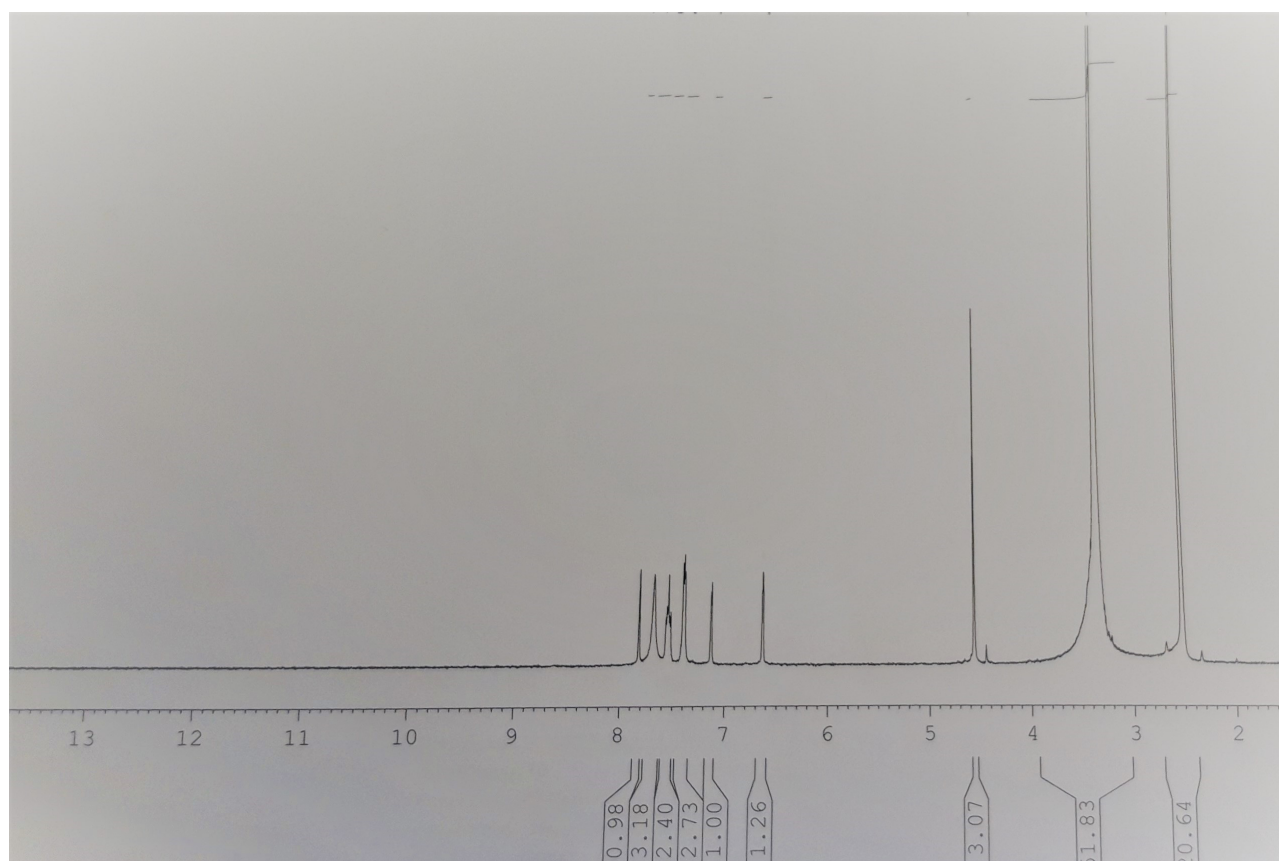
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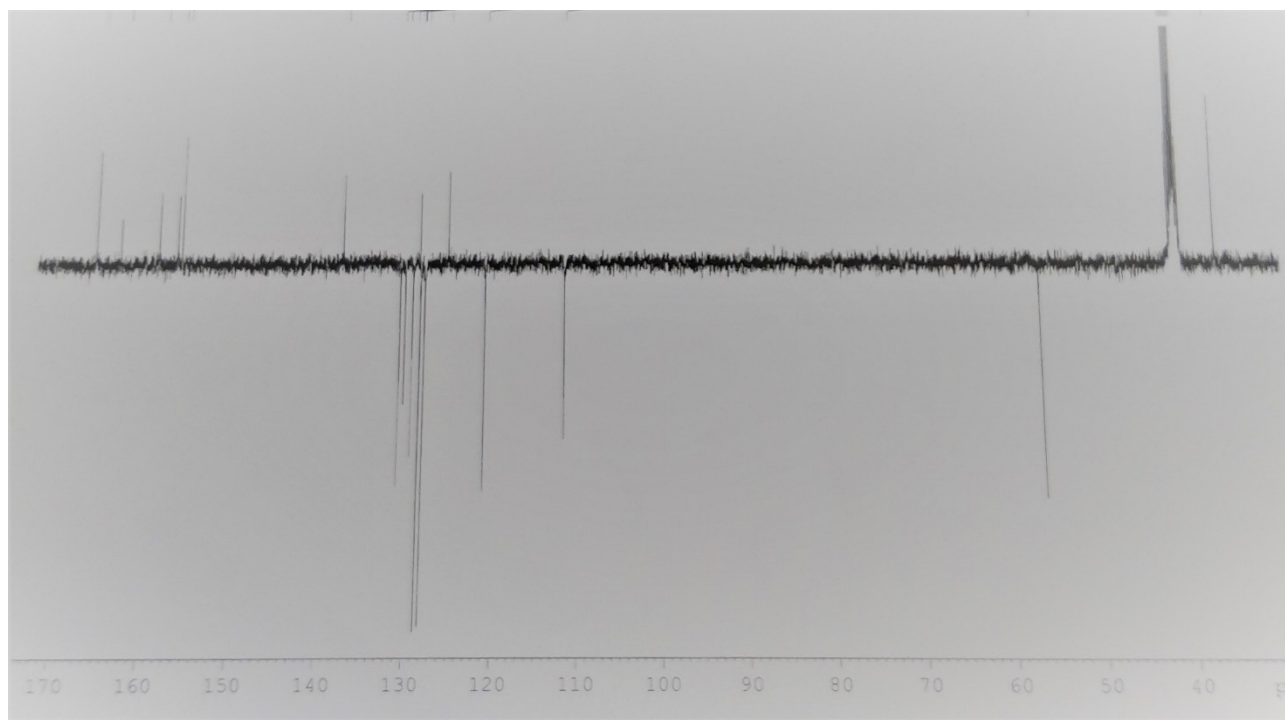
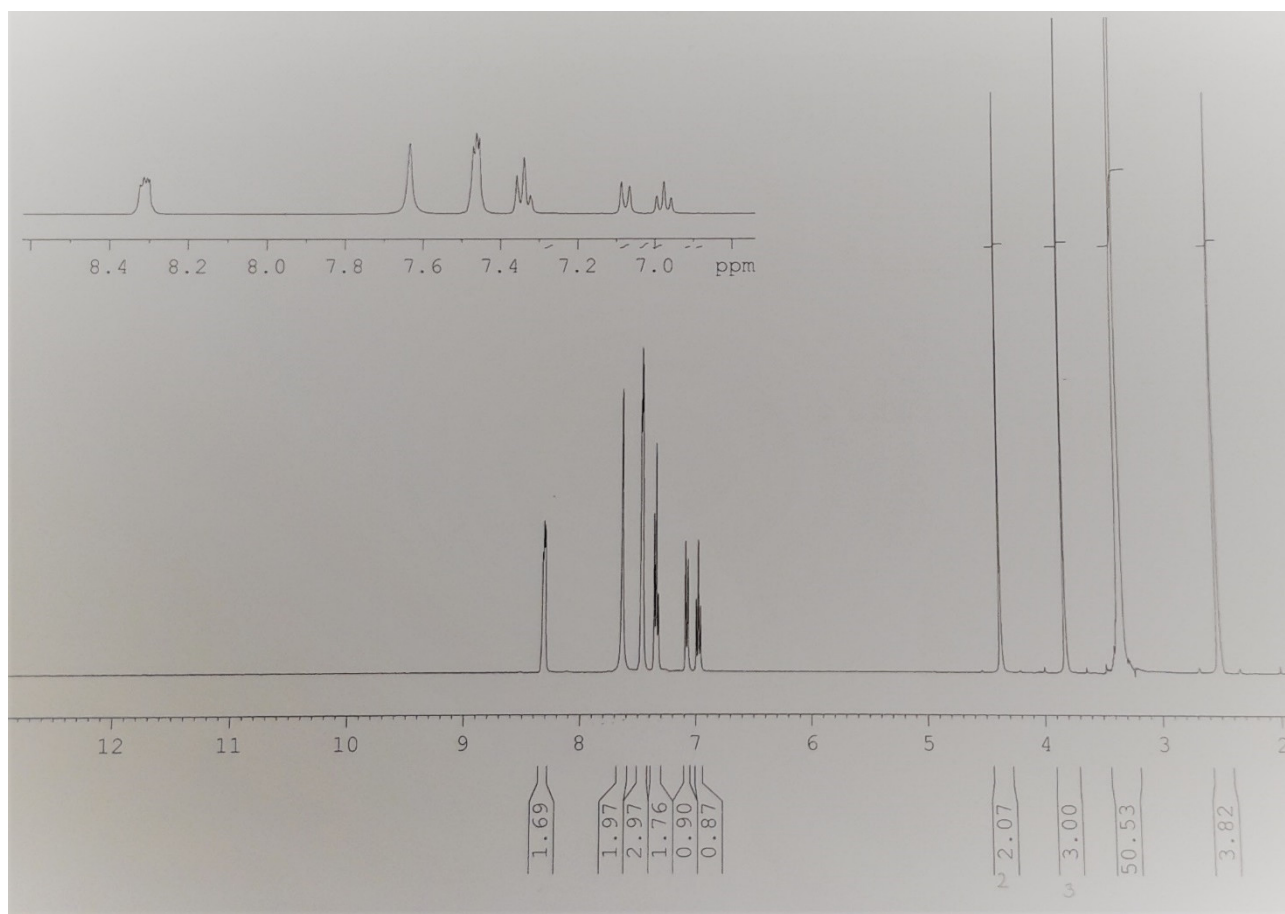
¹H NMR and ¹³C APT NMR spectra of some selected derivatives (8, 10, 11, 17, 18)

The ¹³C APT (Attached Proton Test) experiment distinguishes between C-H multiplicities. CH and CH₃ vectors have opposite phases compared to C and CH₂. Therefore, the phase of CH and CH₃ peaks is 180° different from C (including the solvent DMSO) and CH₂ peaks.

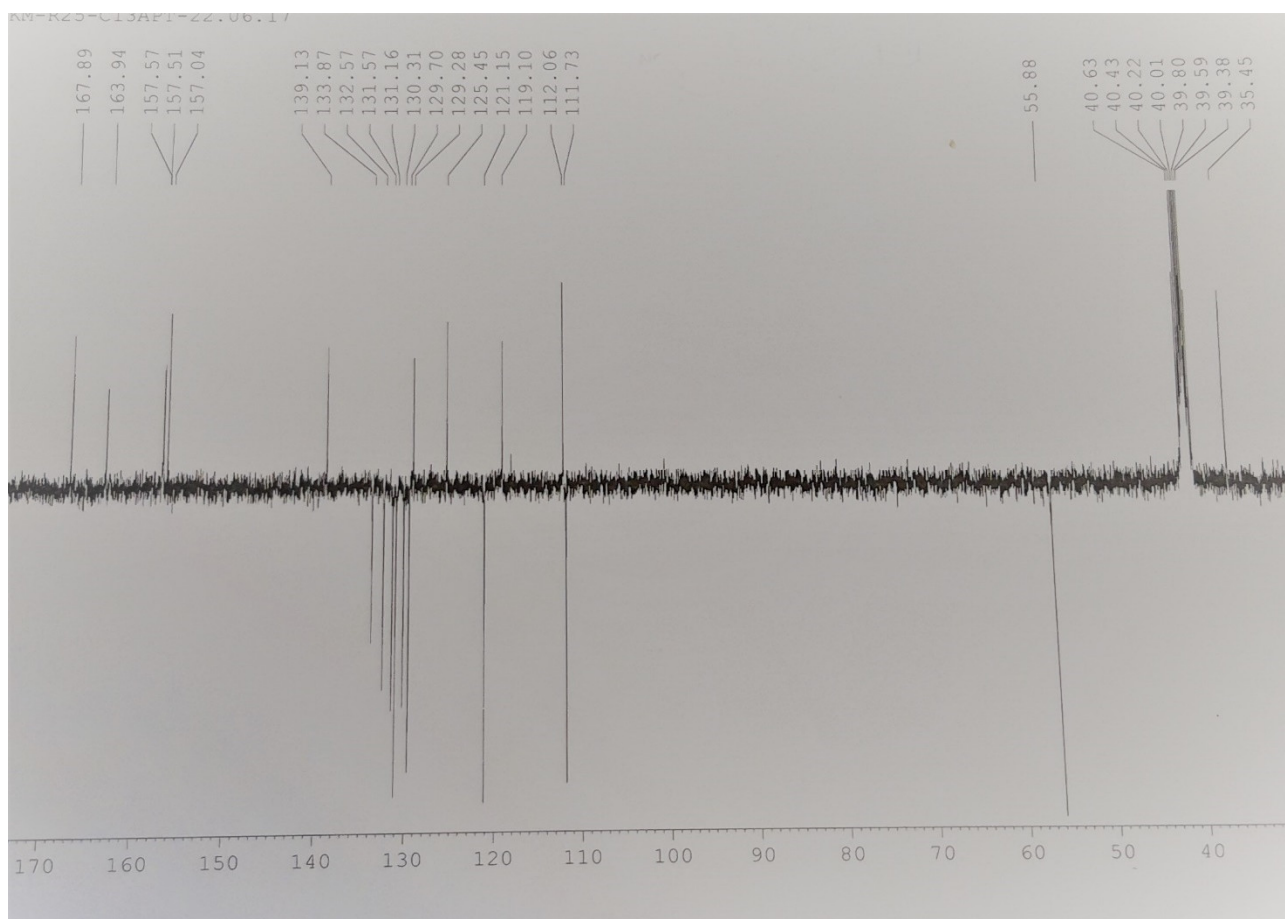
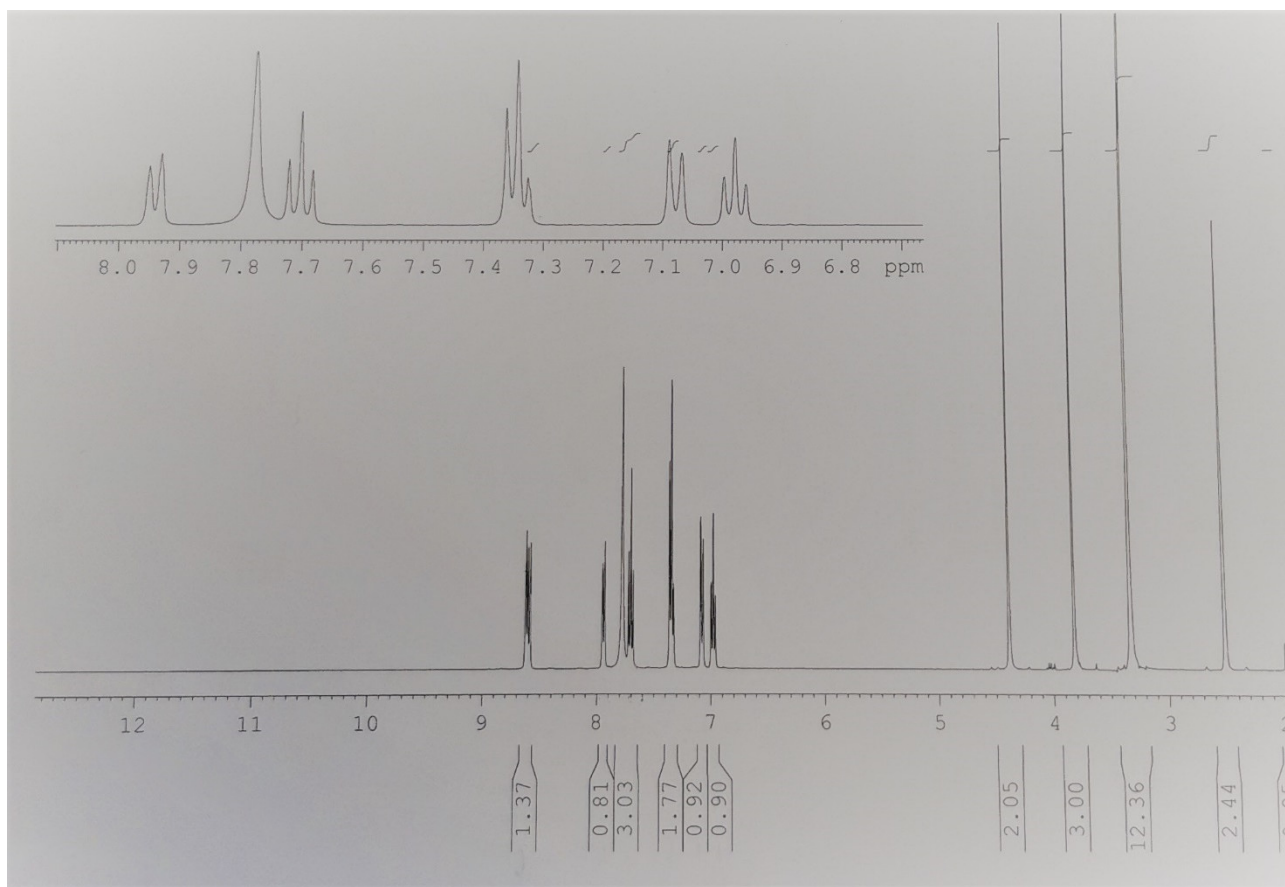
Compound 8



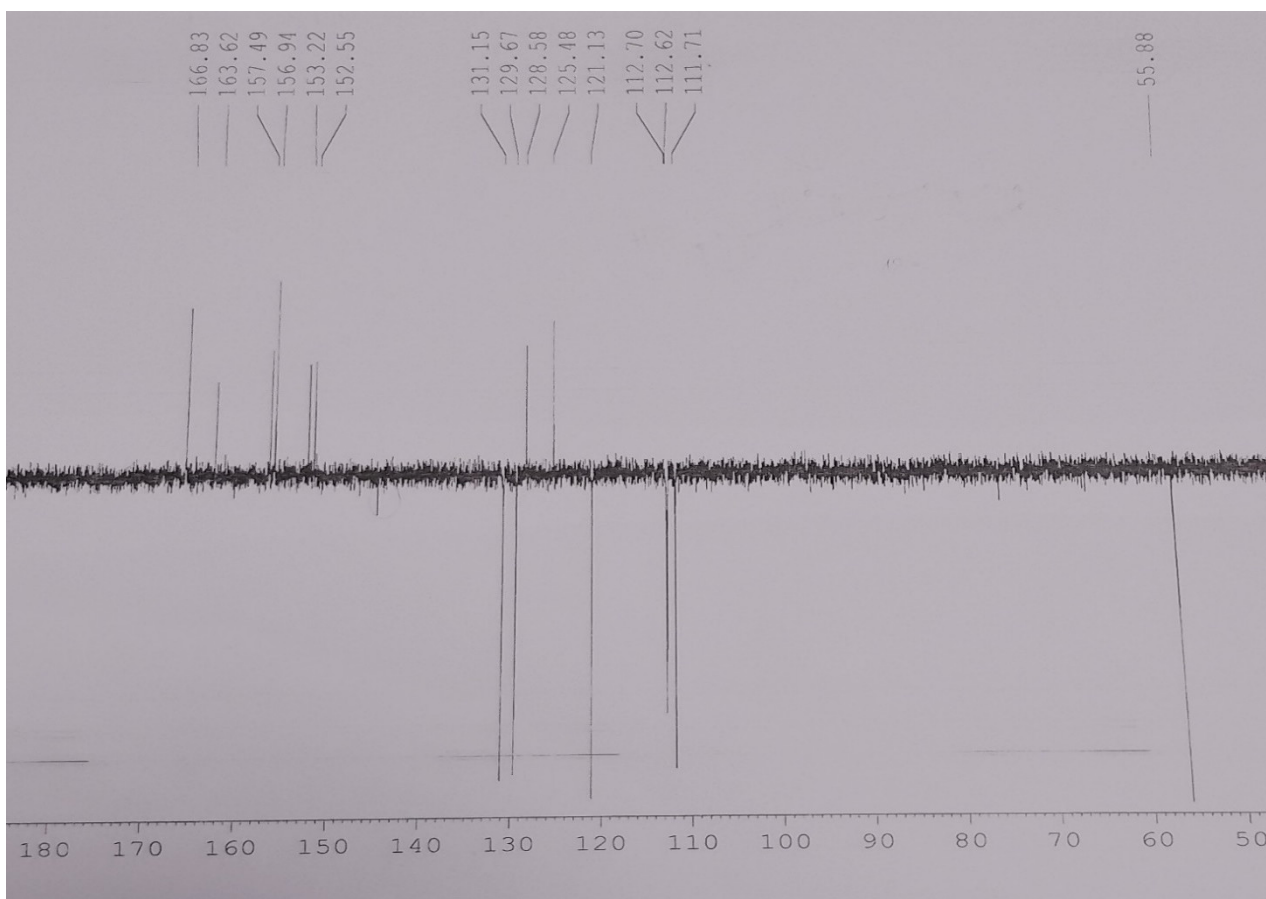
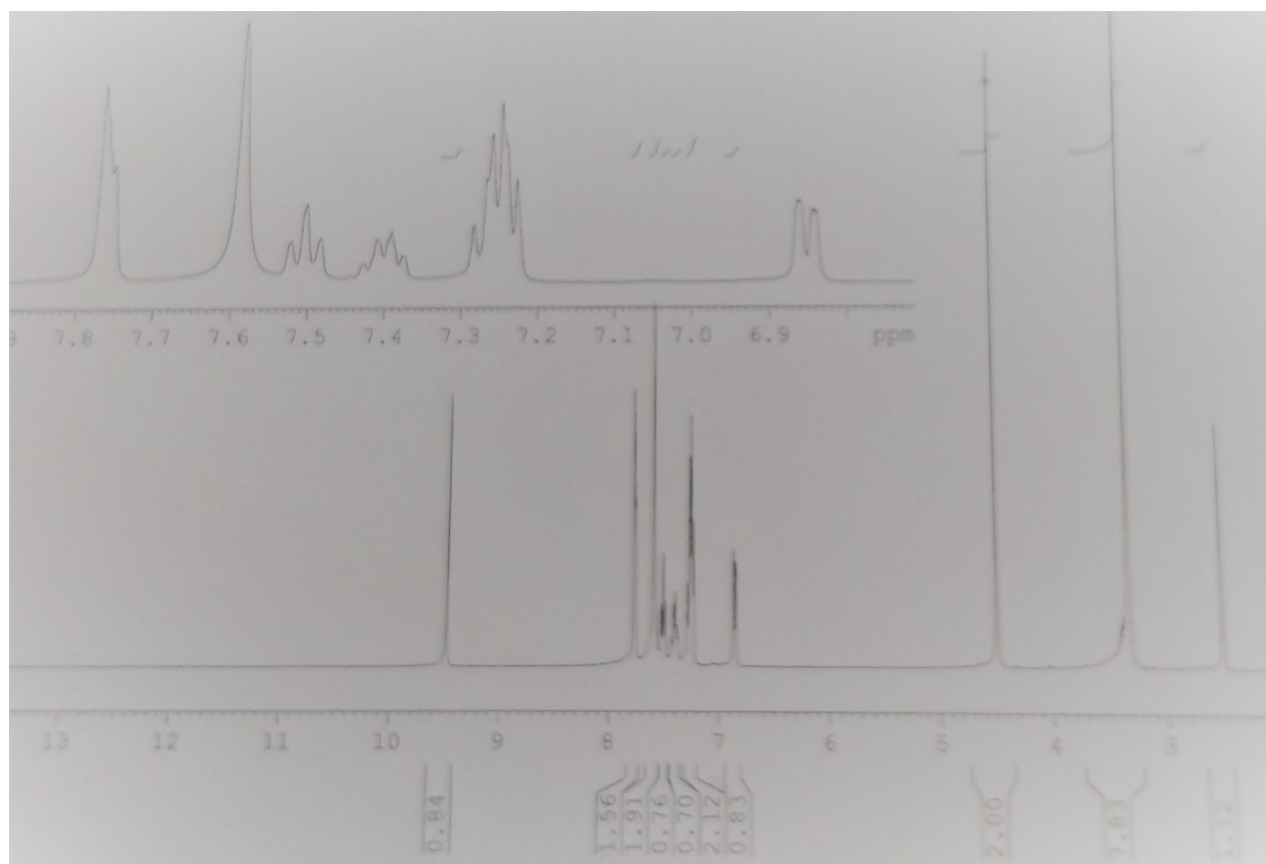
compound 10



Compound 11



Compound 17



Compound 18

