Staudinger/aza-Wittig reaction to access N^{β}-protected amino alkyl isothiocyanates

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Supporting information

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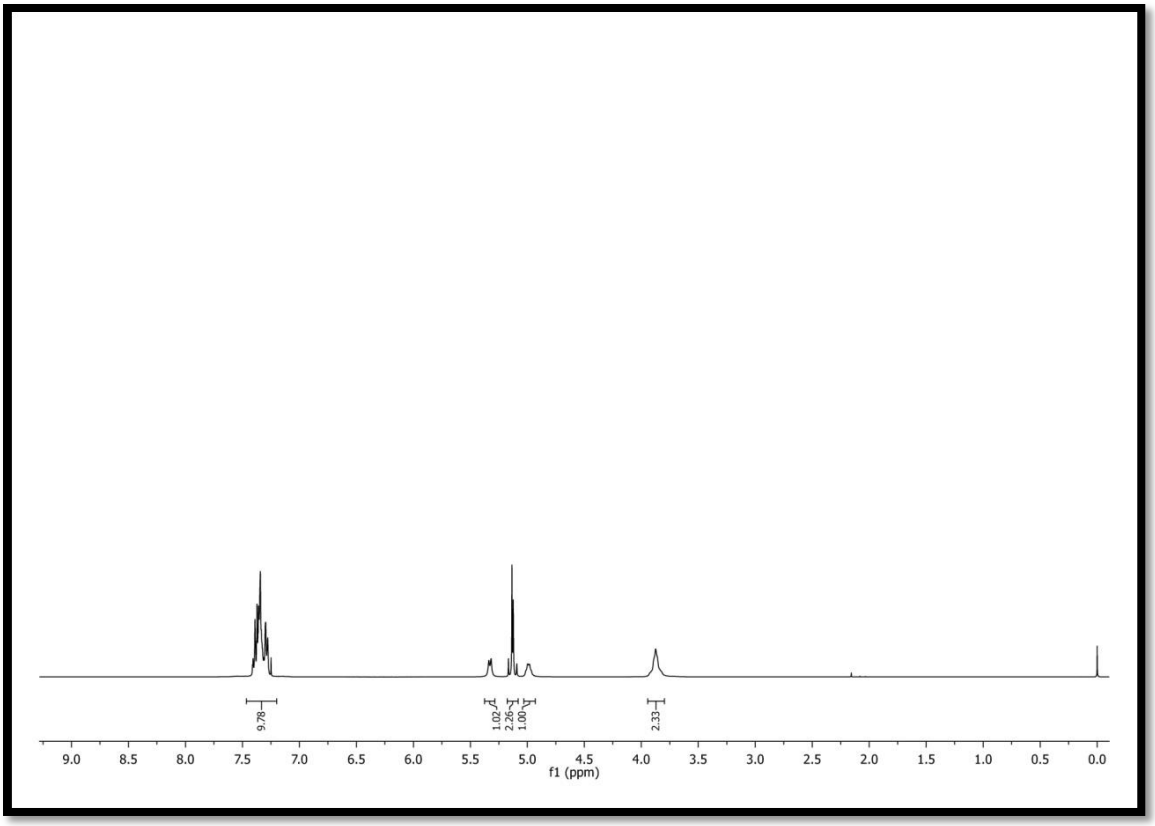
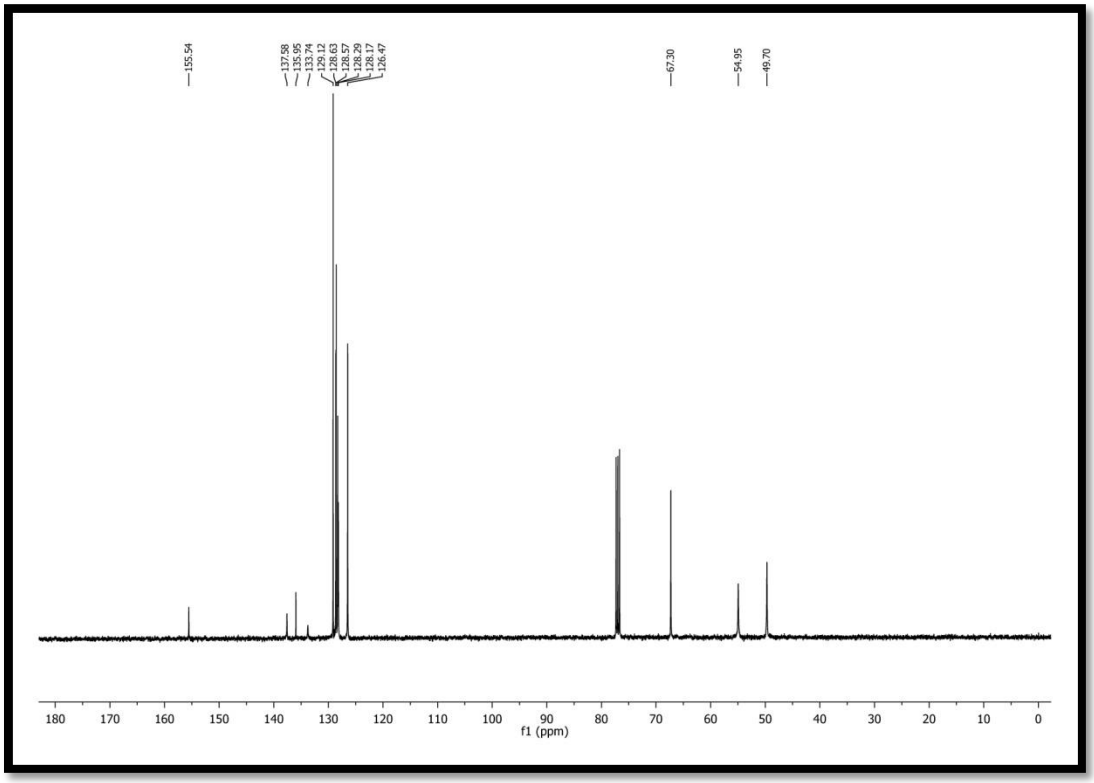
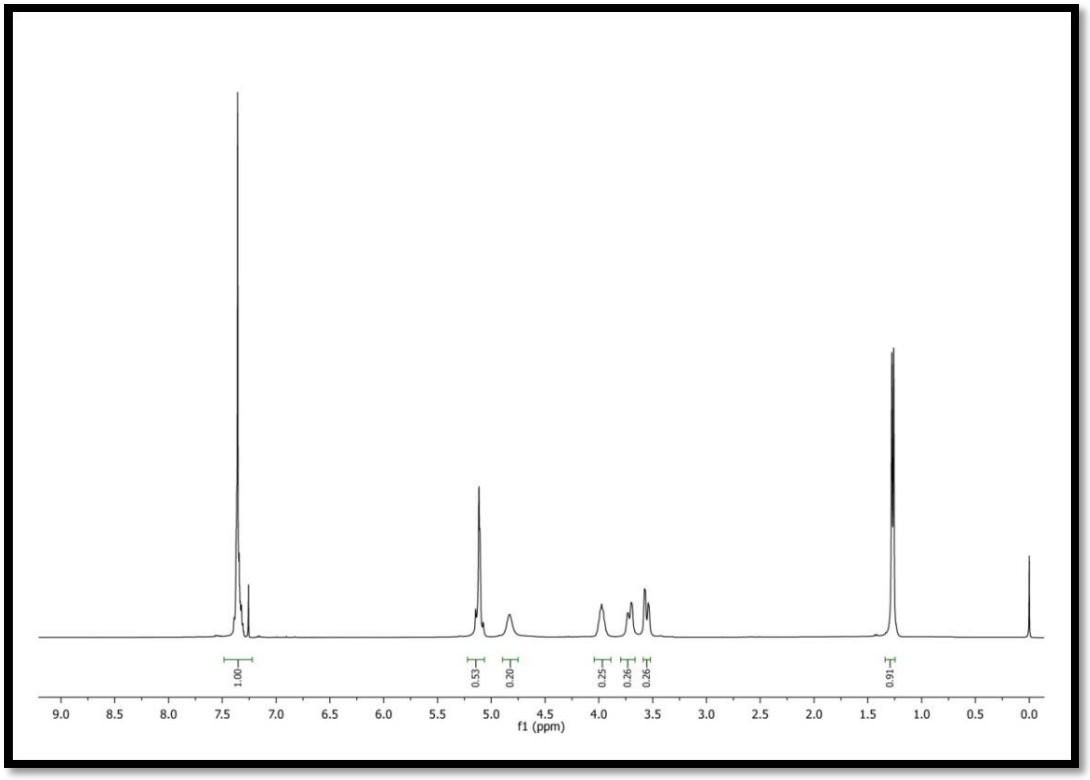


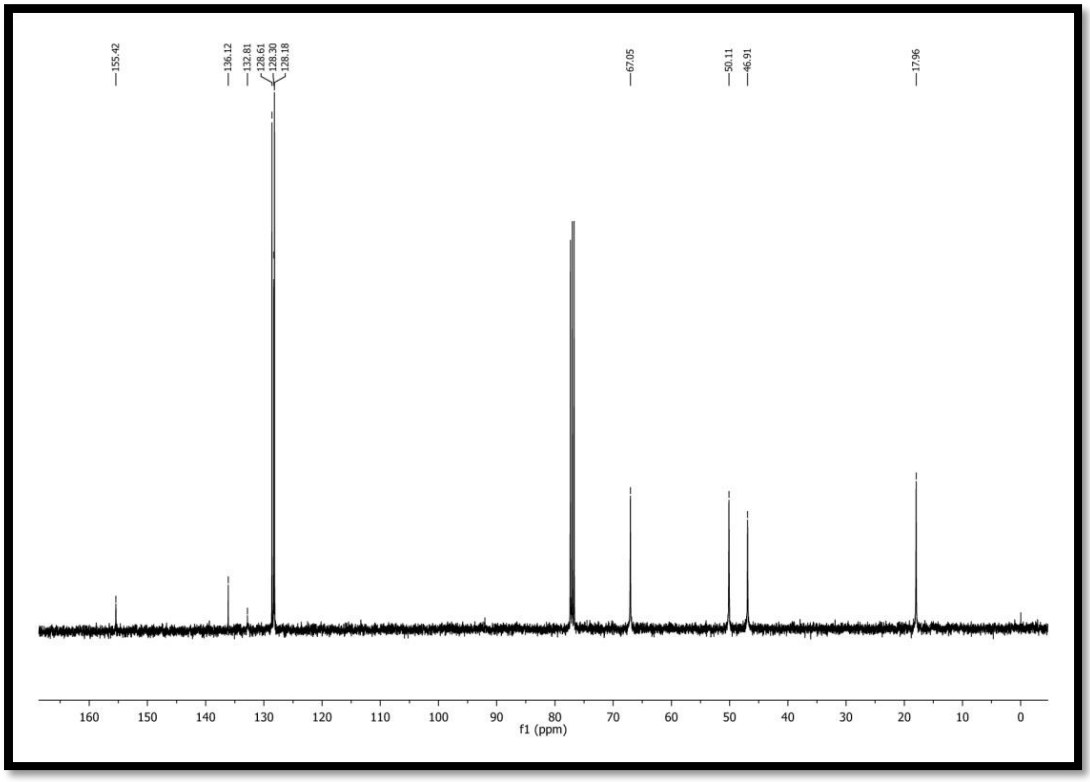
^{1}H NMR Spectrum of Cbz-phg-ψ[CH_2NCS], 2a



^{13}C NMR Spectrum of Cbz-phg-ψ[CH_2NCS], 2a



^{1}H NMR Spectrum of Cbz-Ala-ψ[CH_2NCS], 2b



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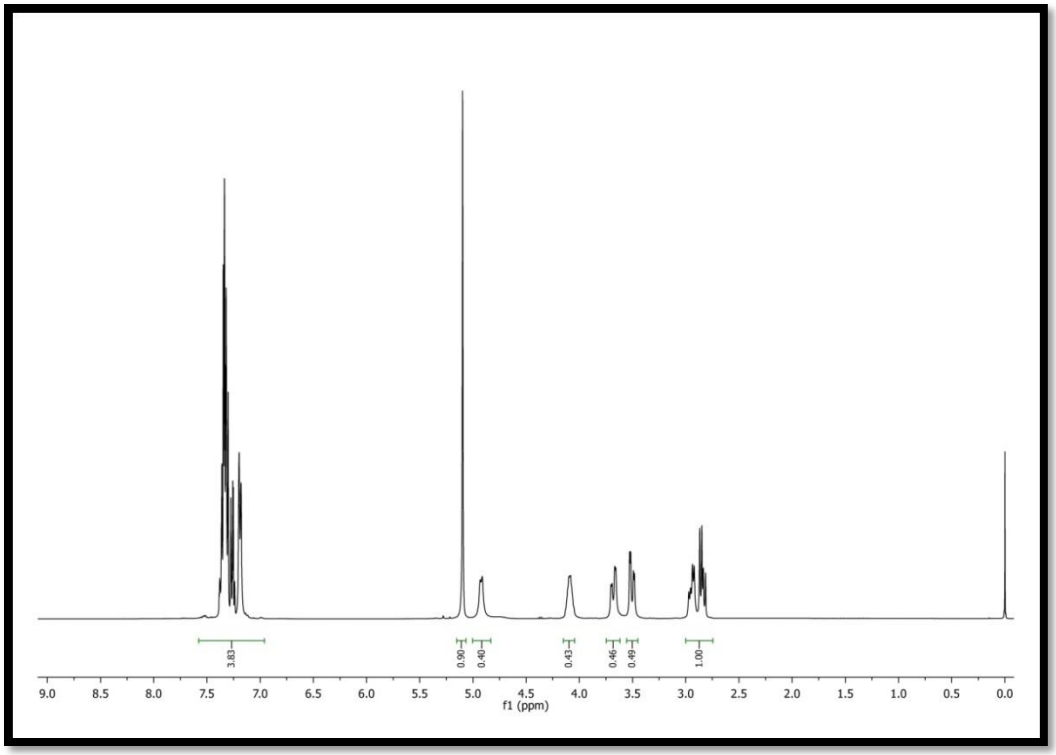

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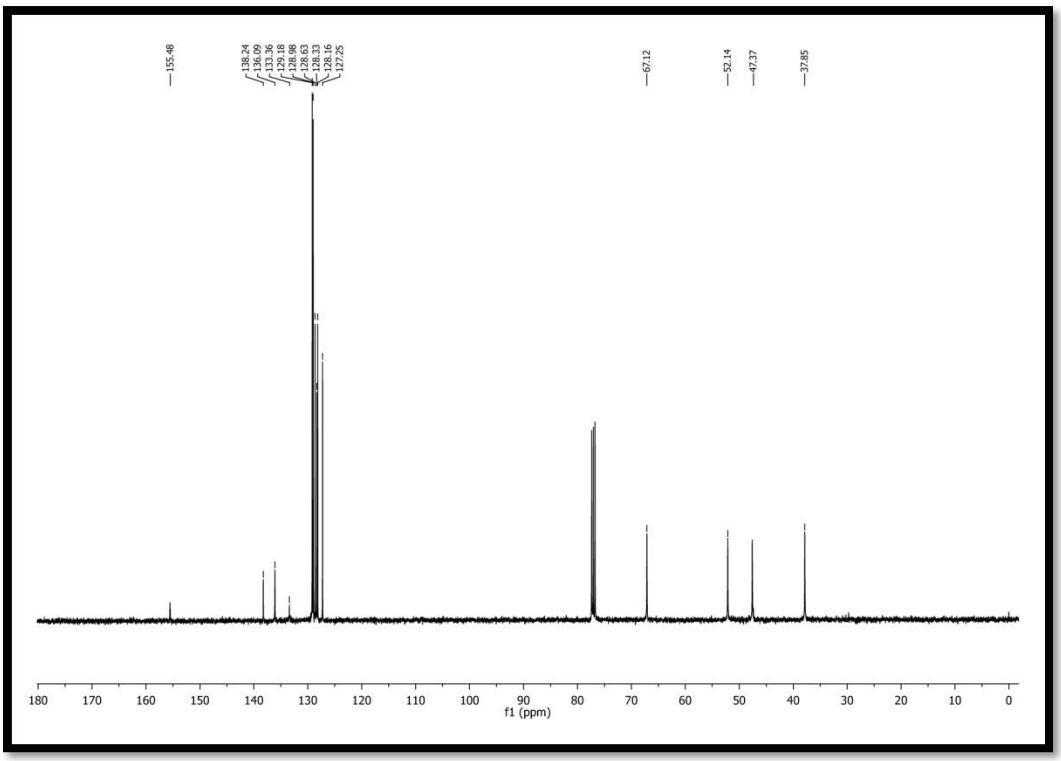

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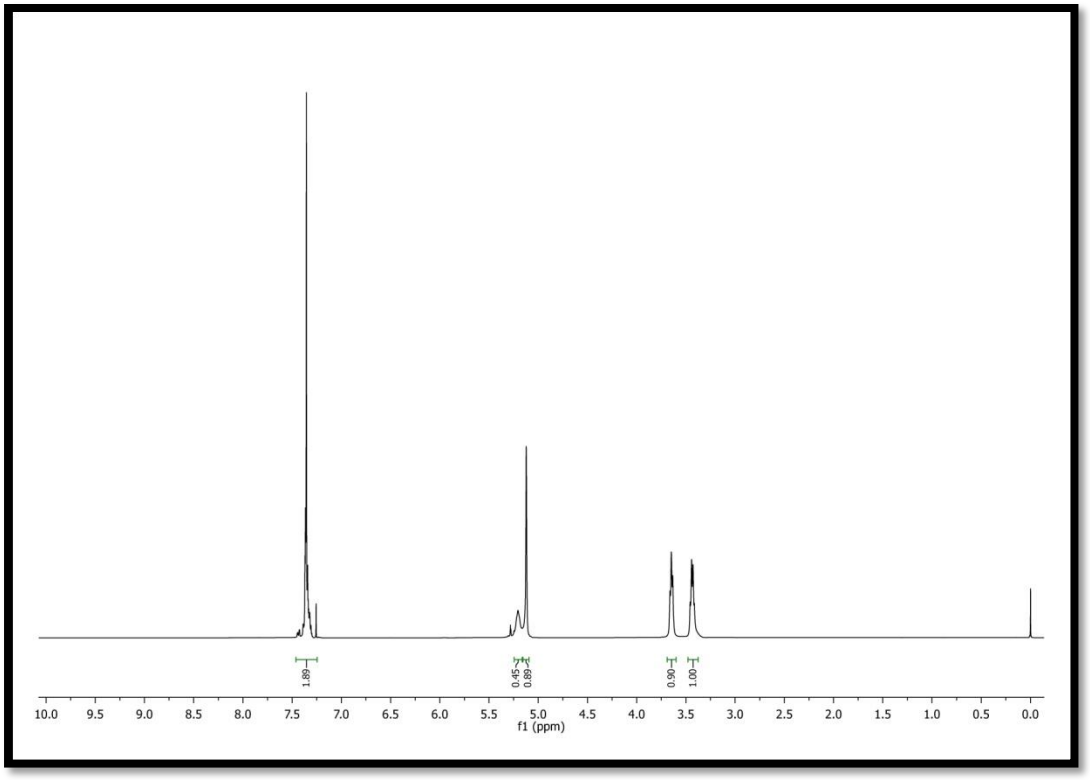

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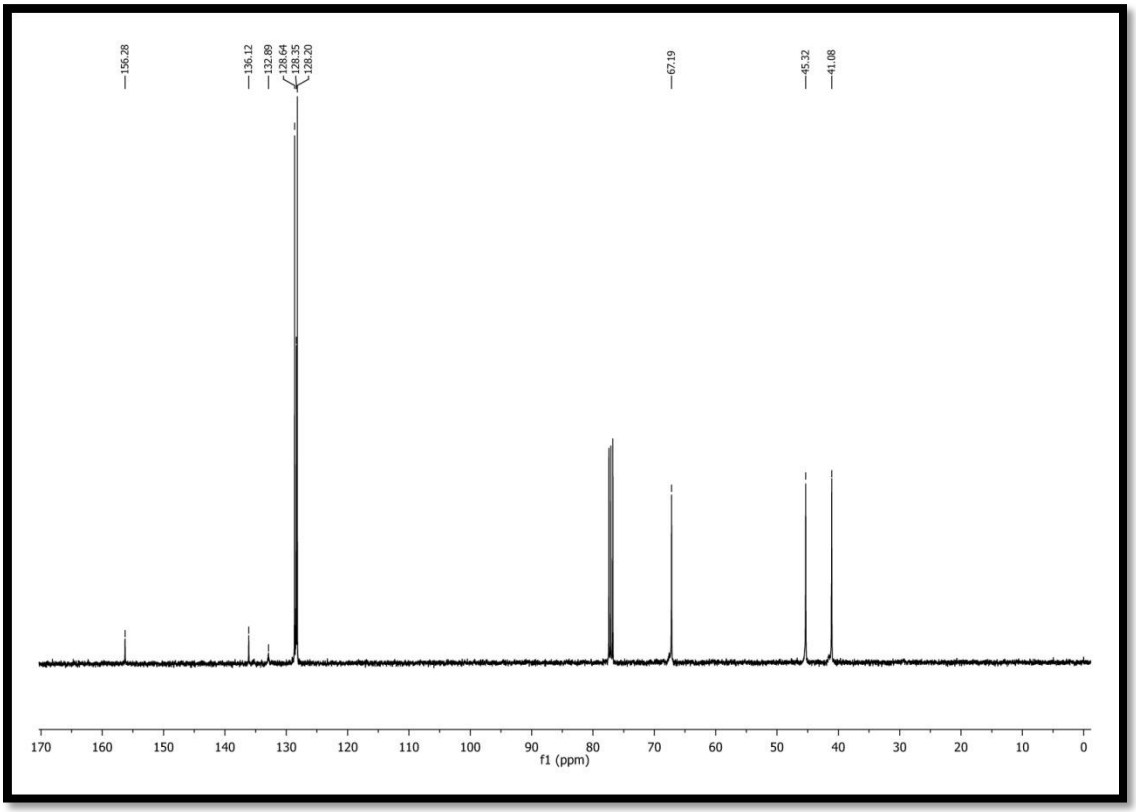

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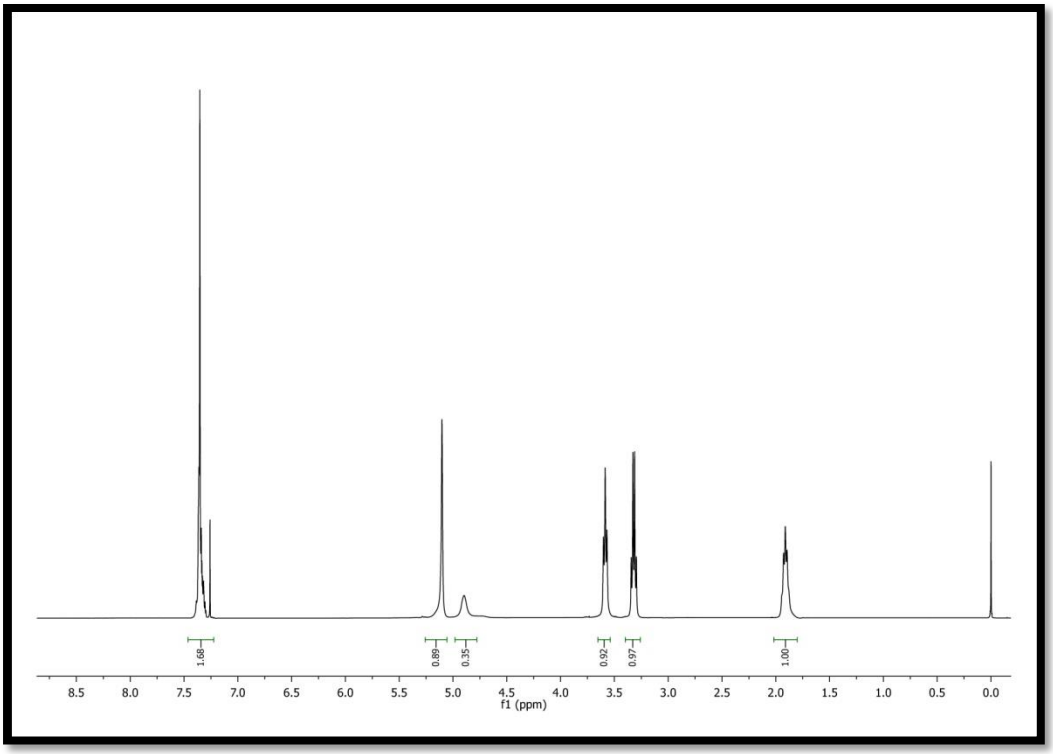

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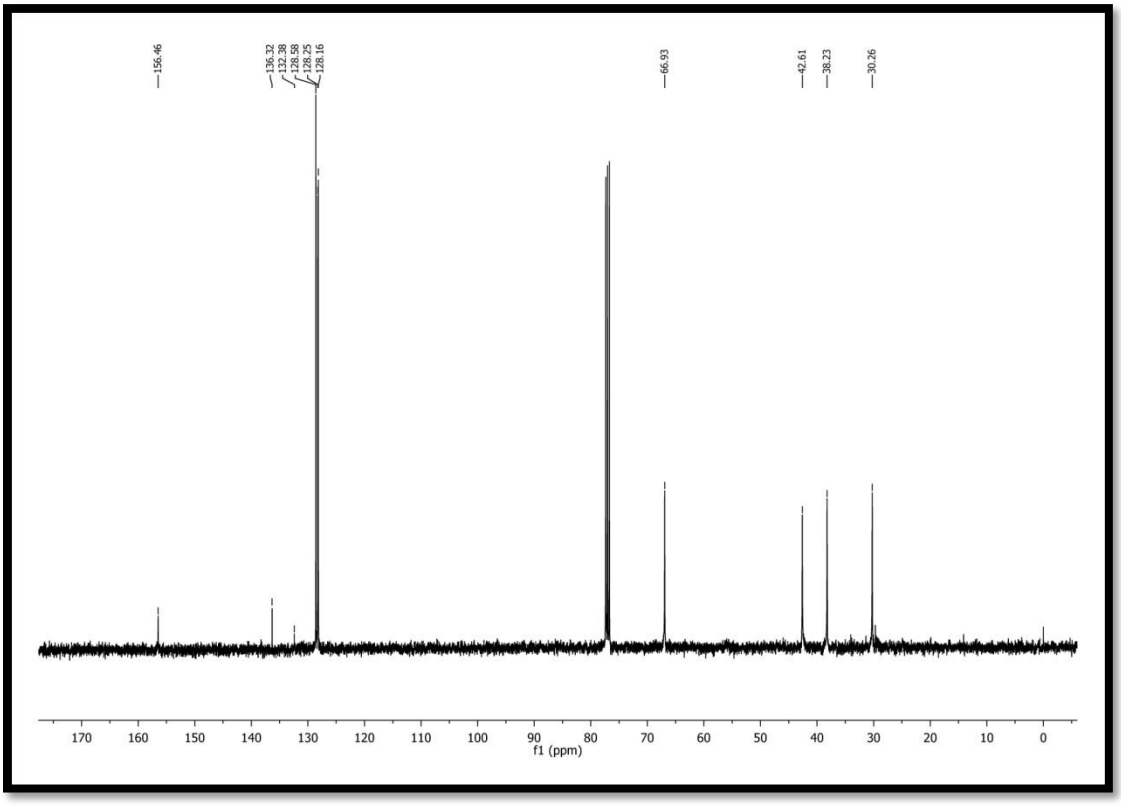

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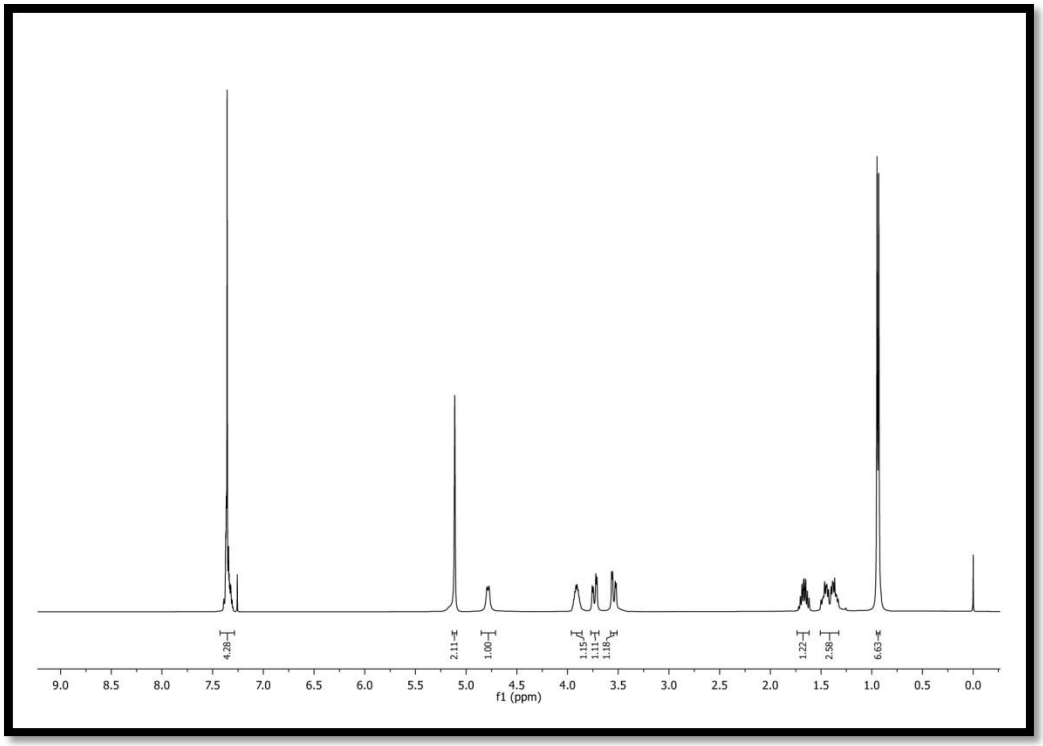

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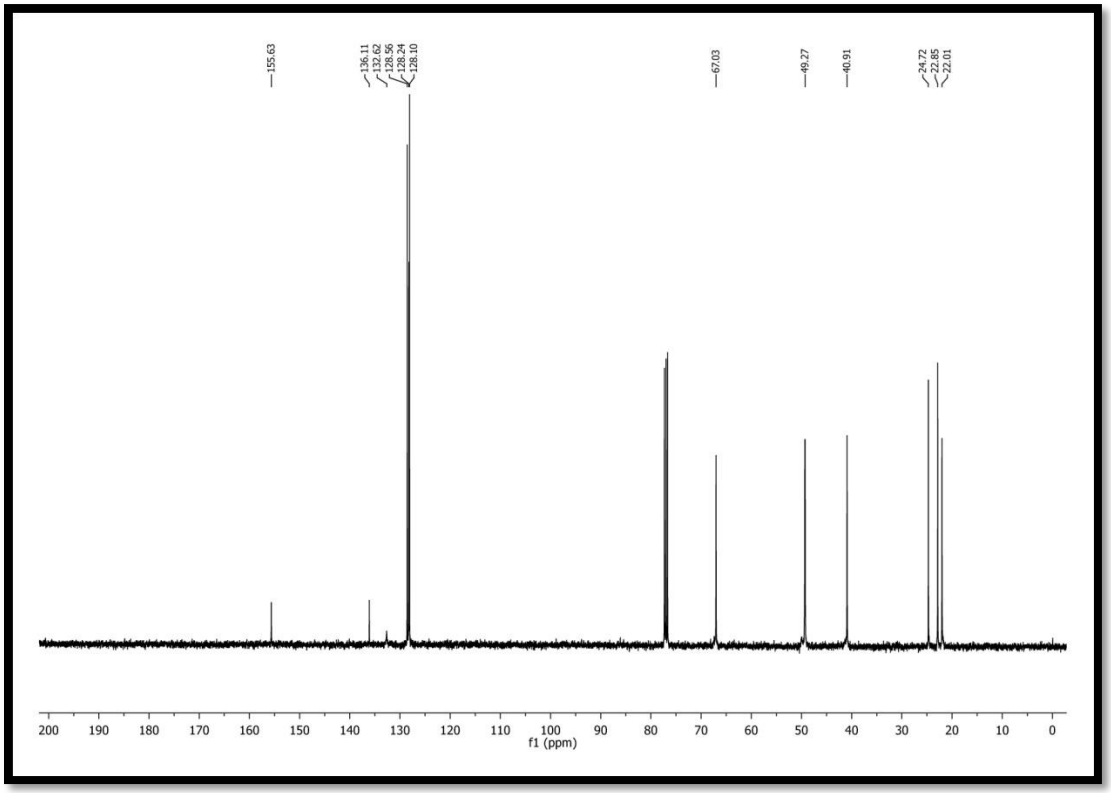

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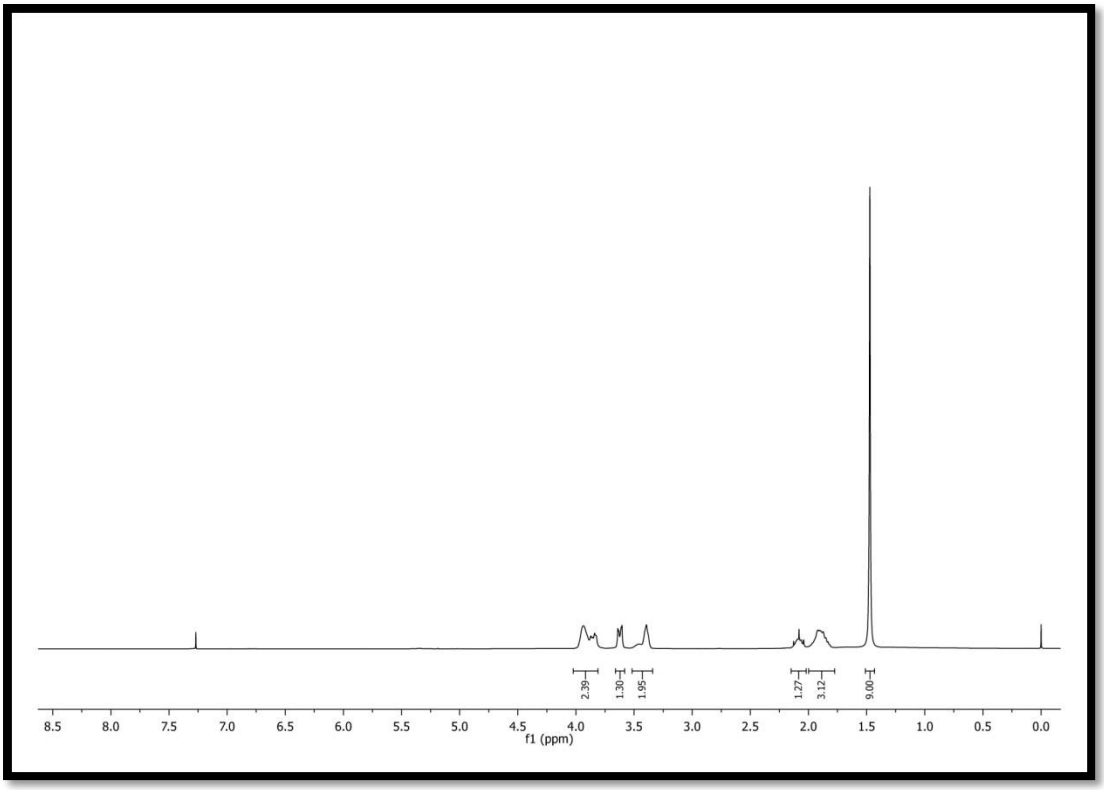

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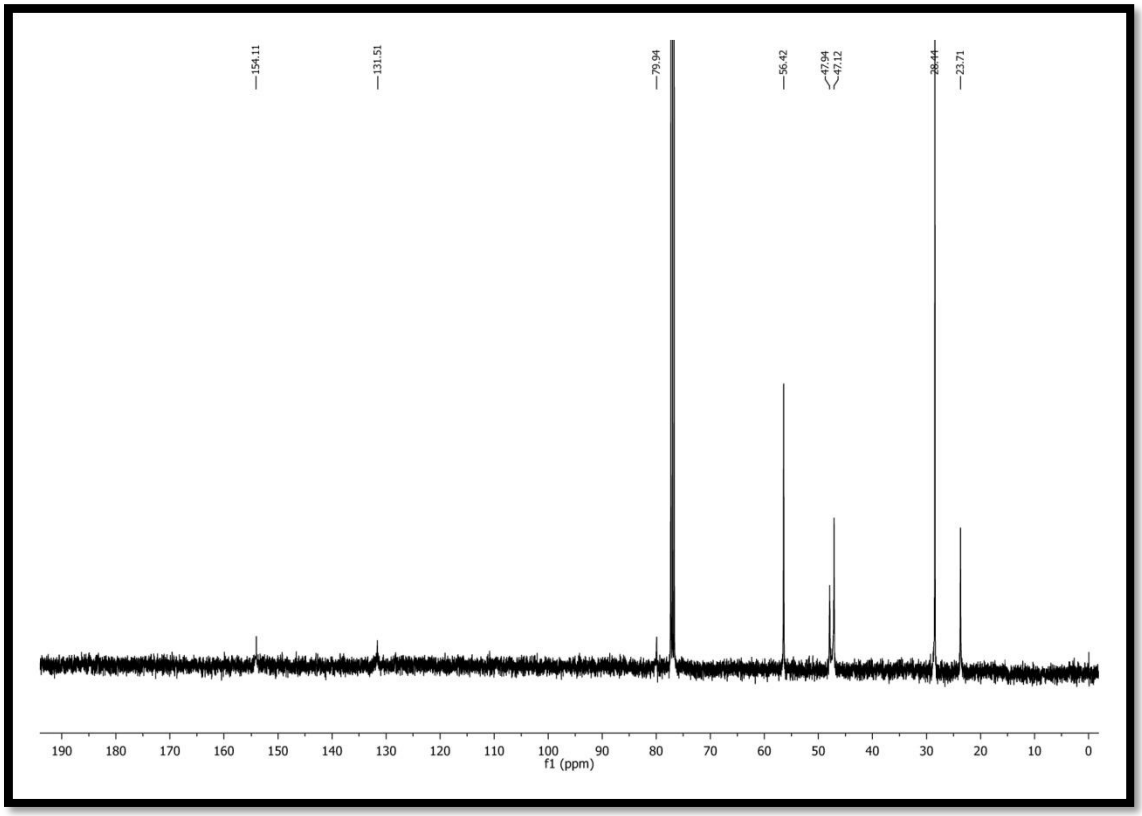

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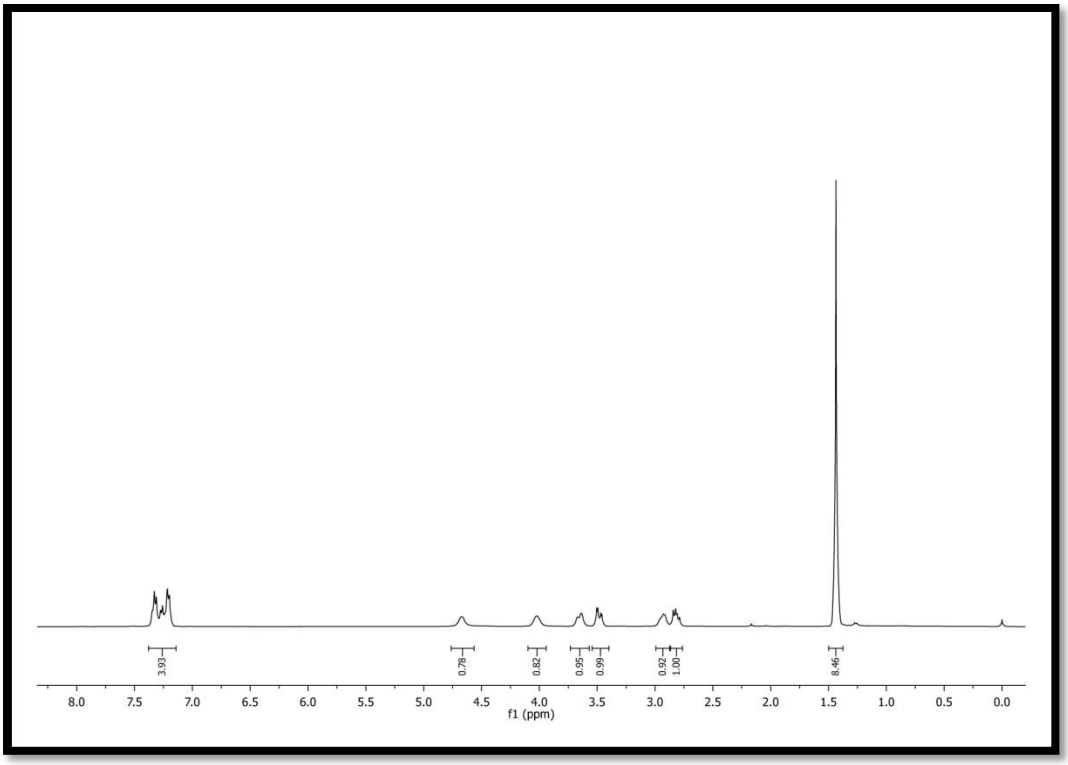

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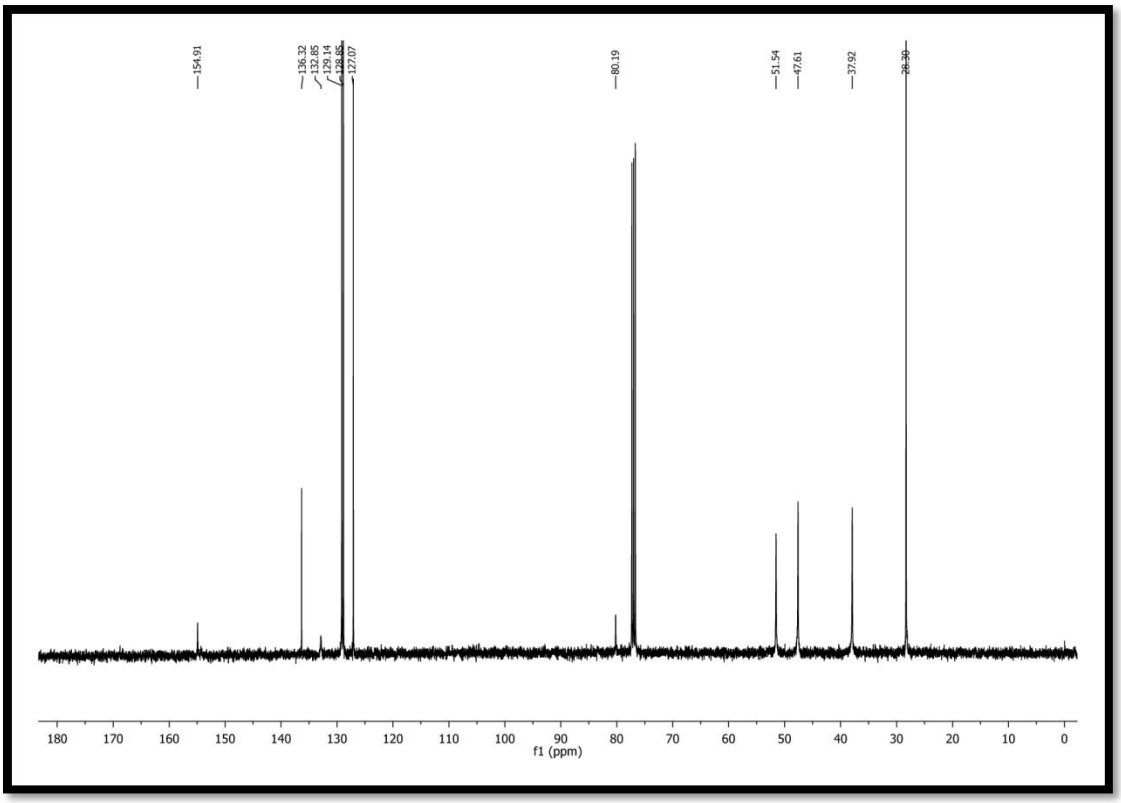

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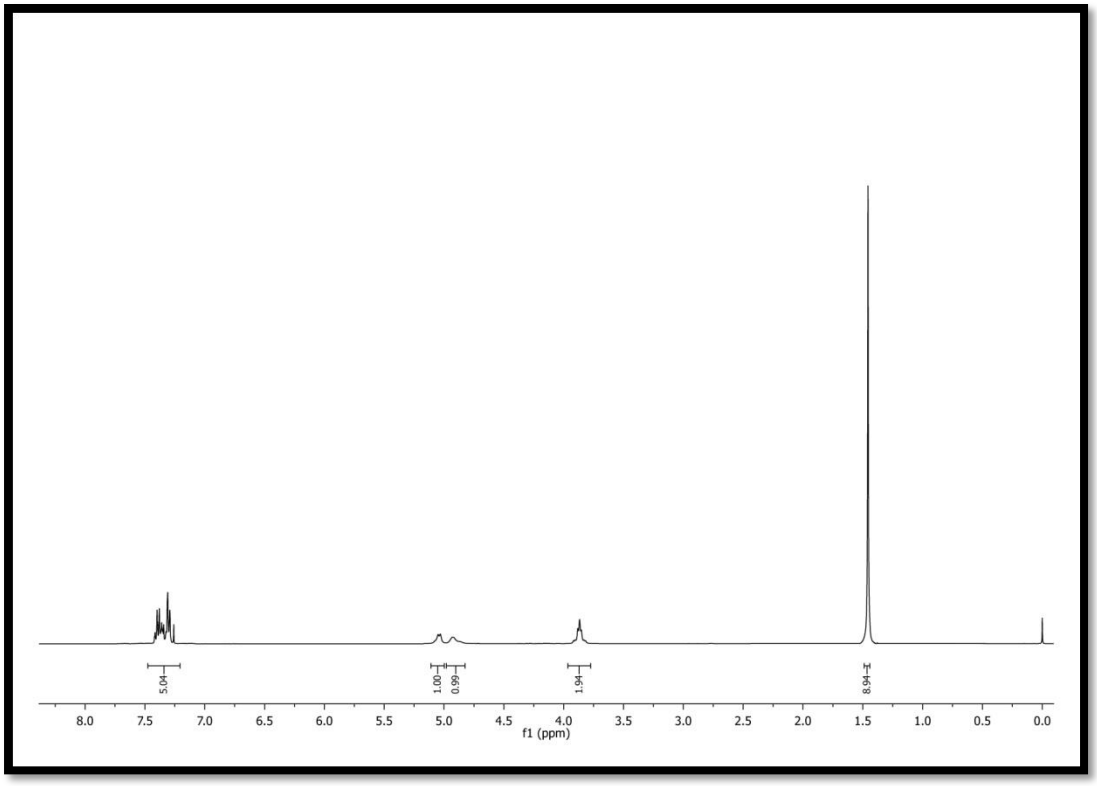

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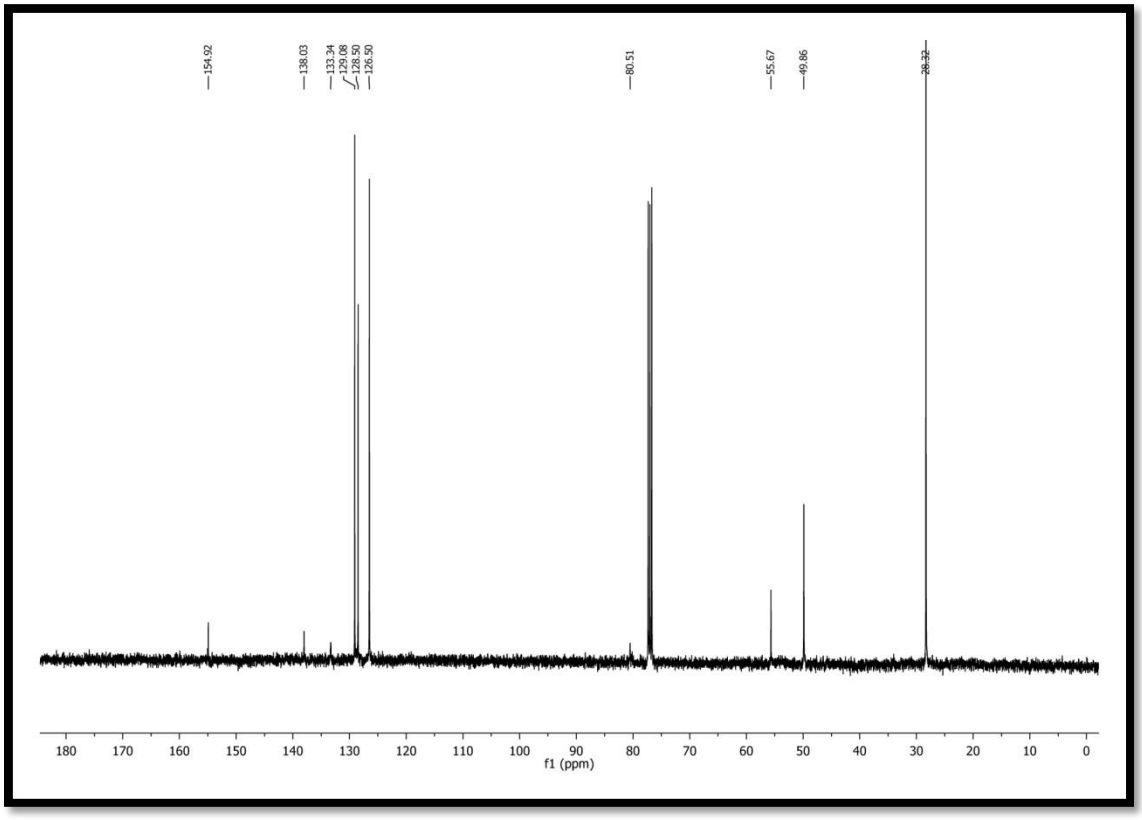

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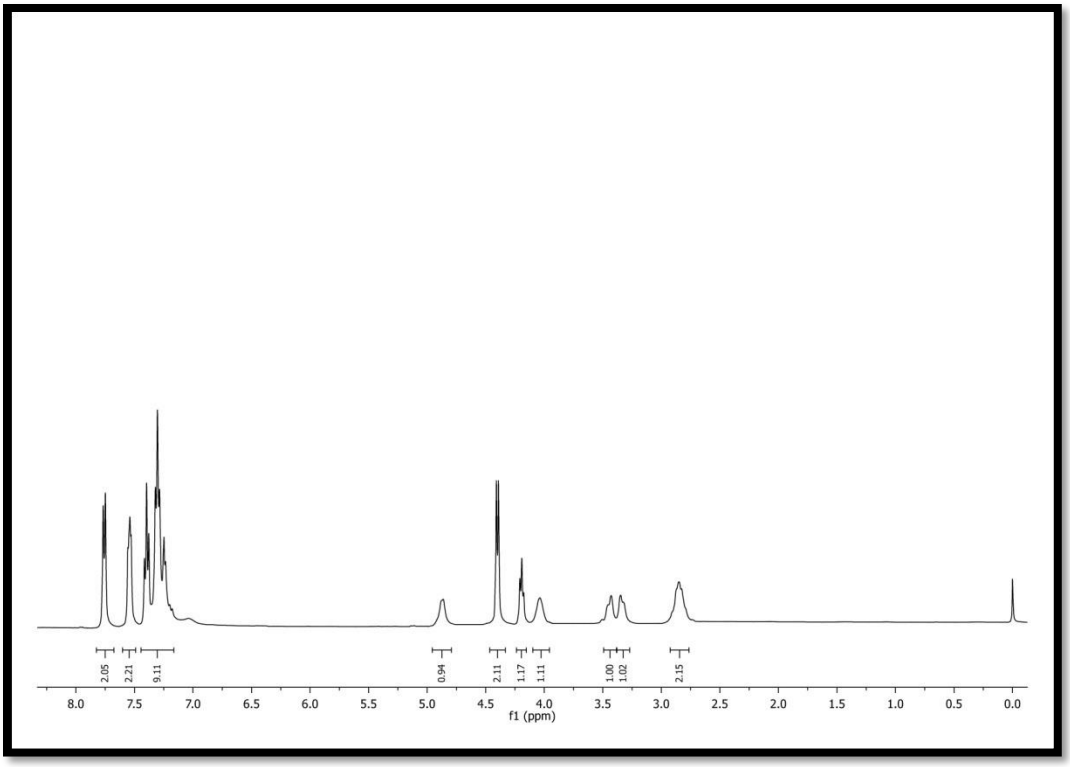

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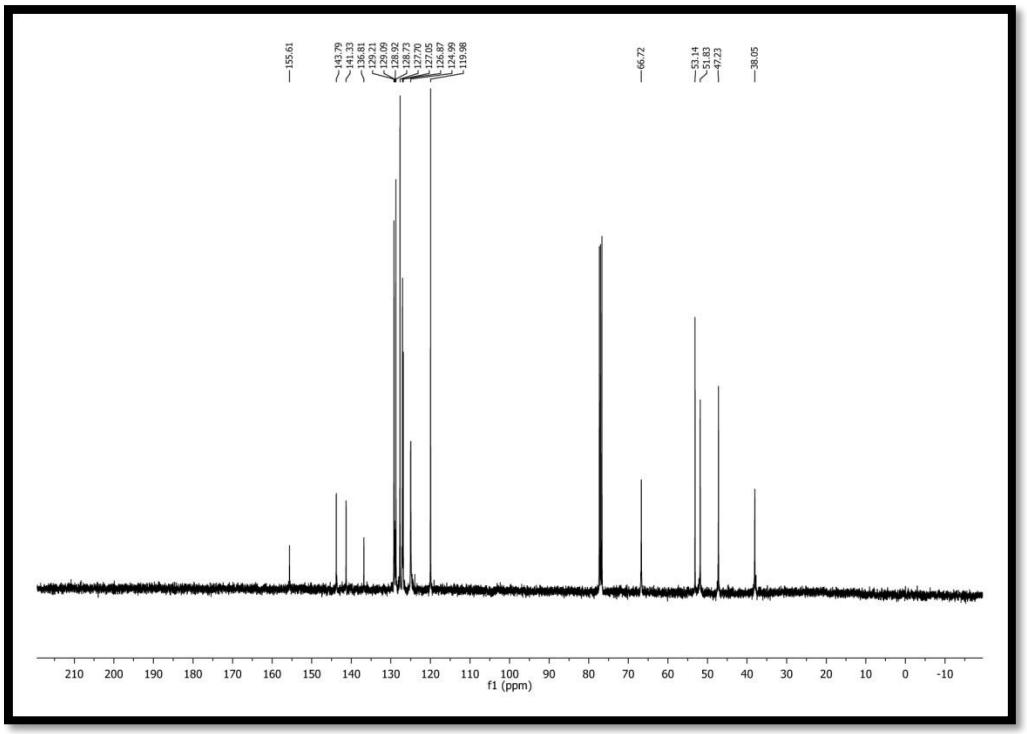

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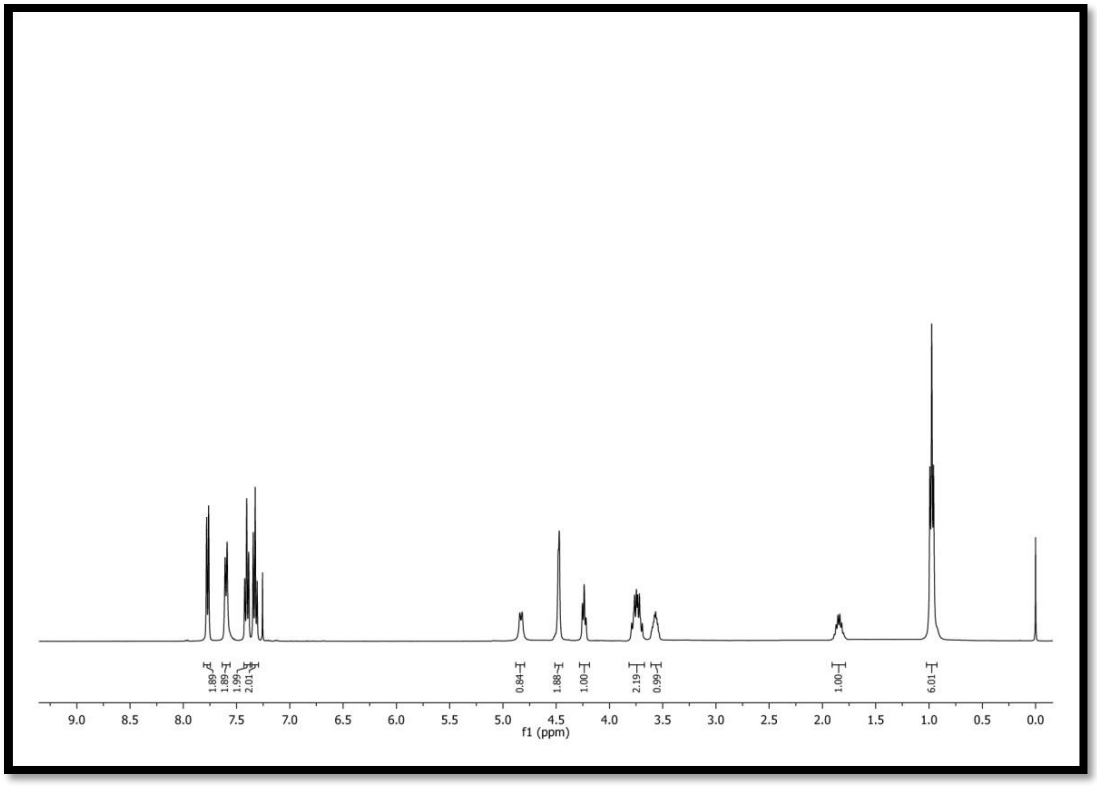

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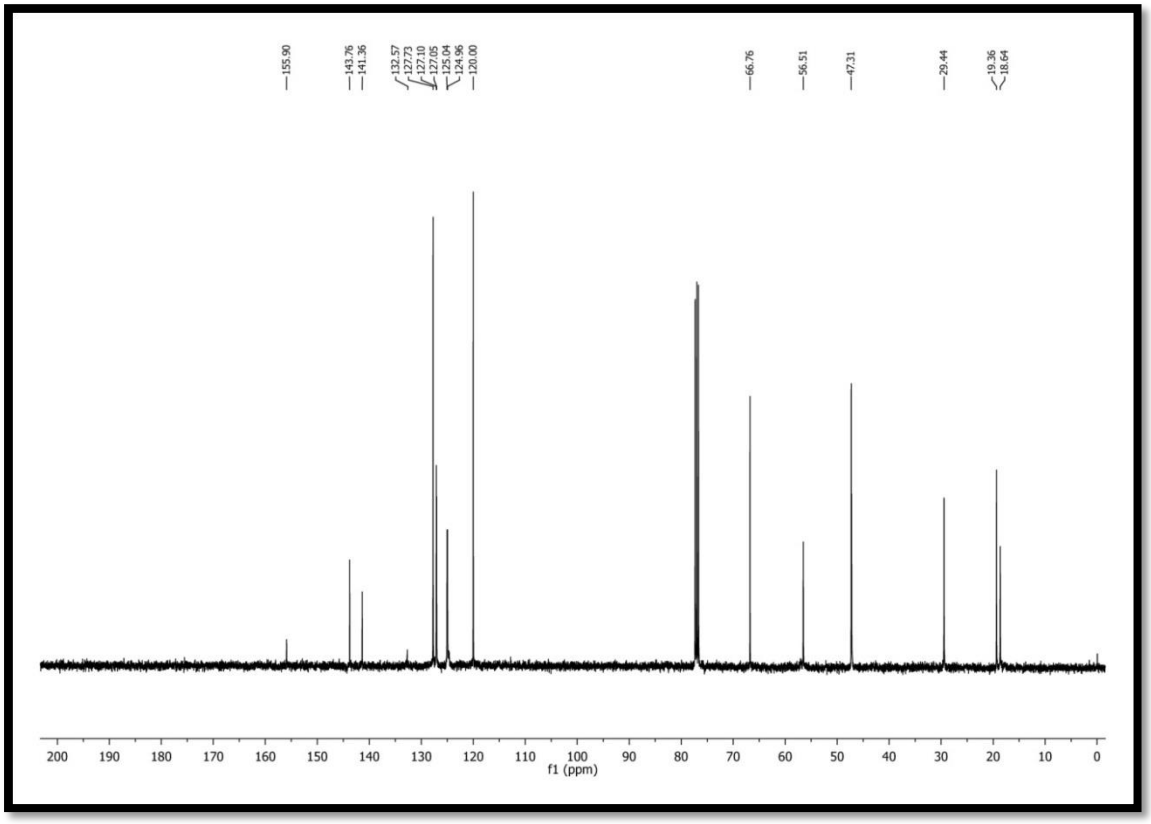

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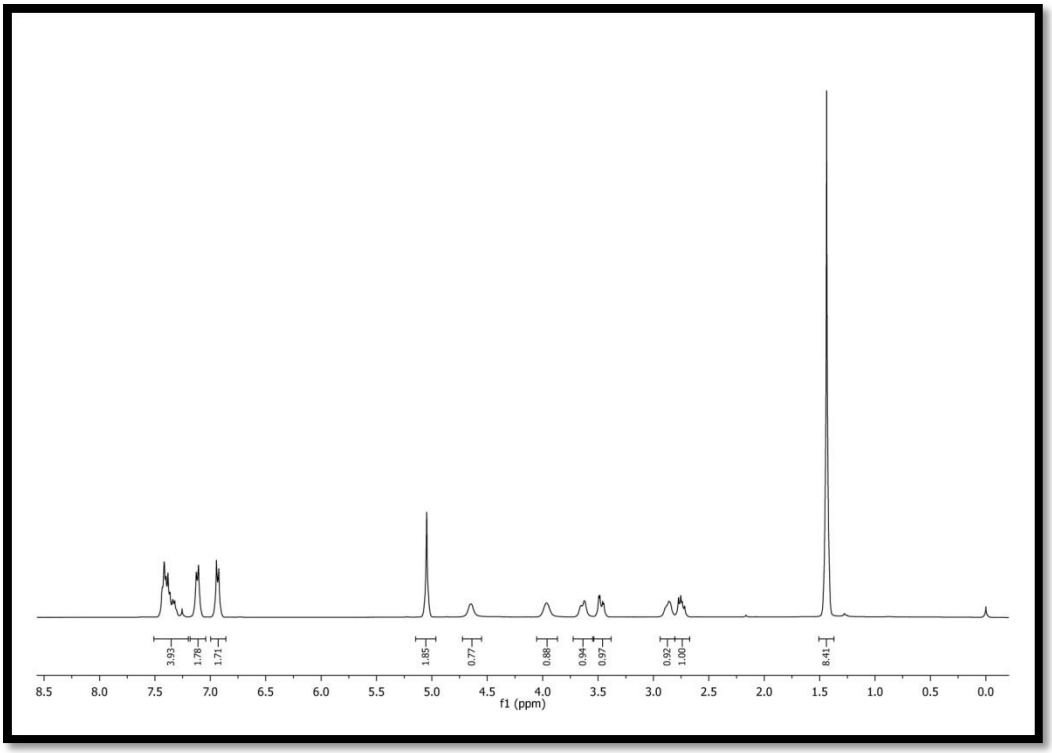

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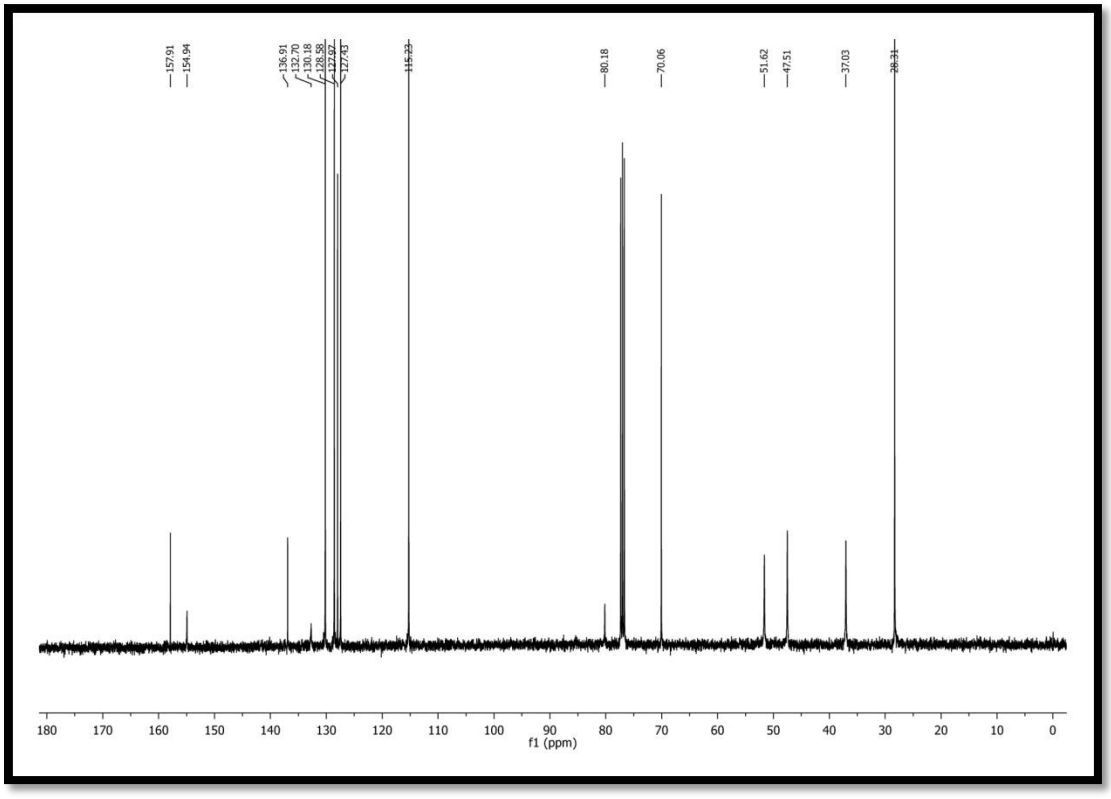

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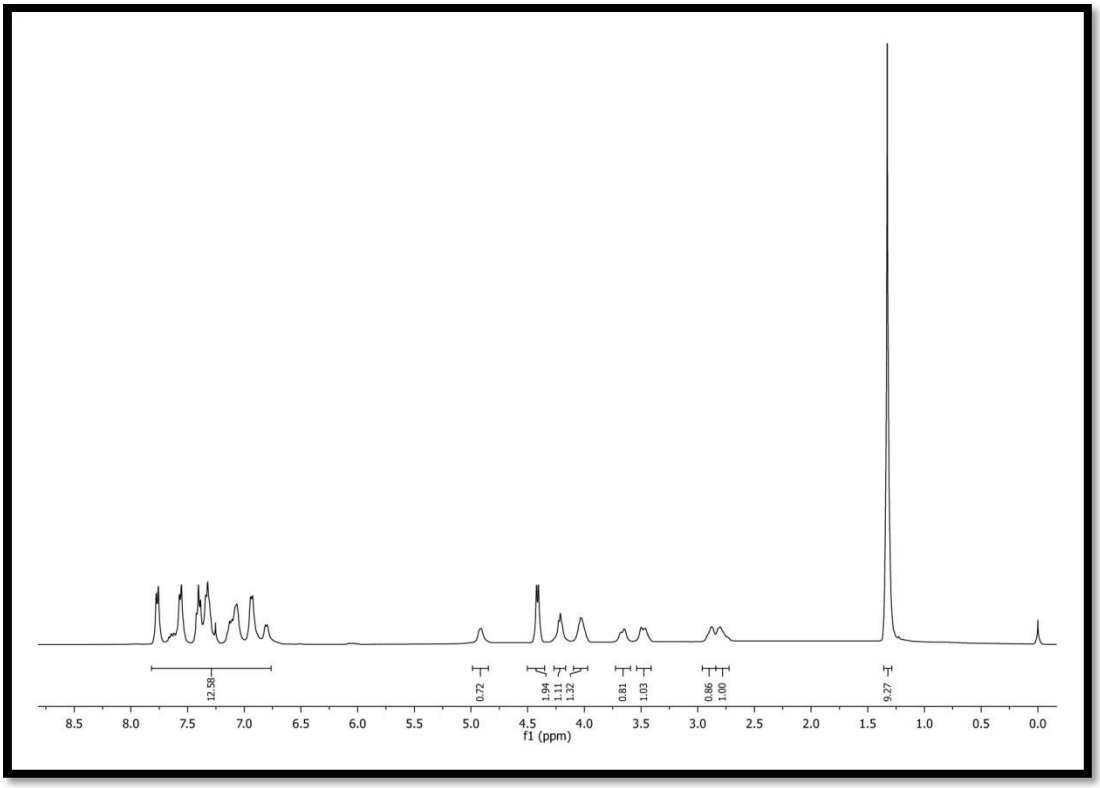

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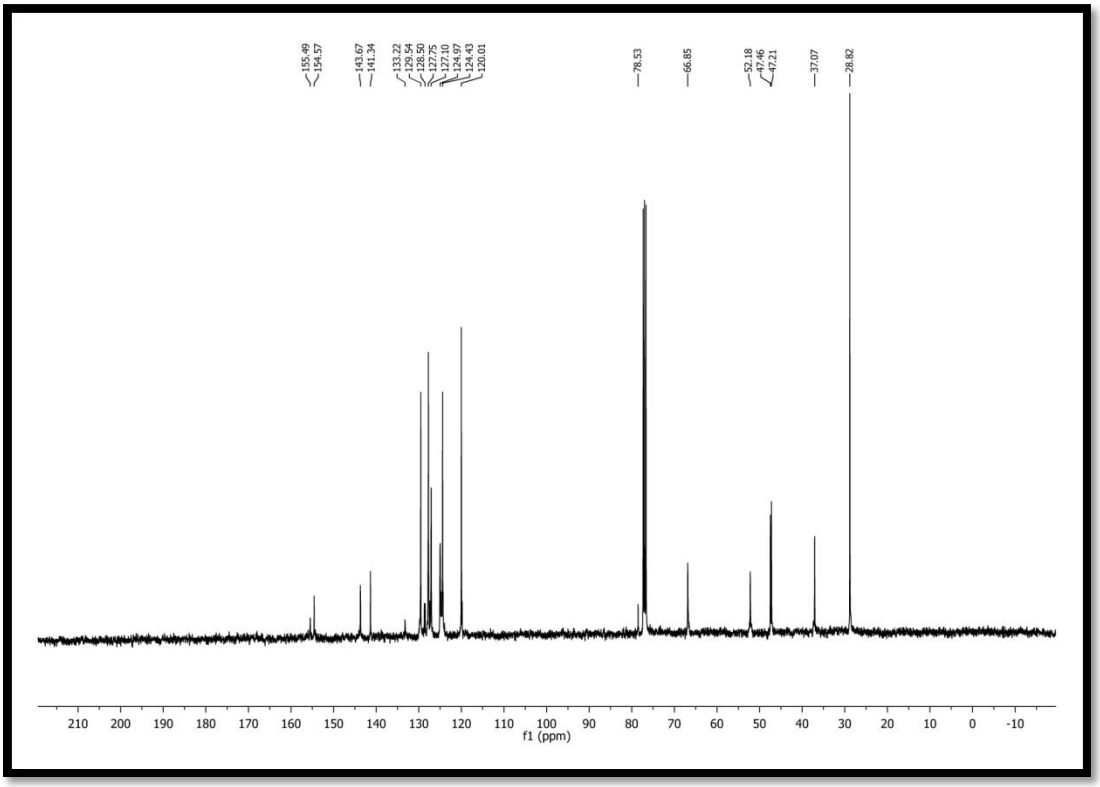

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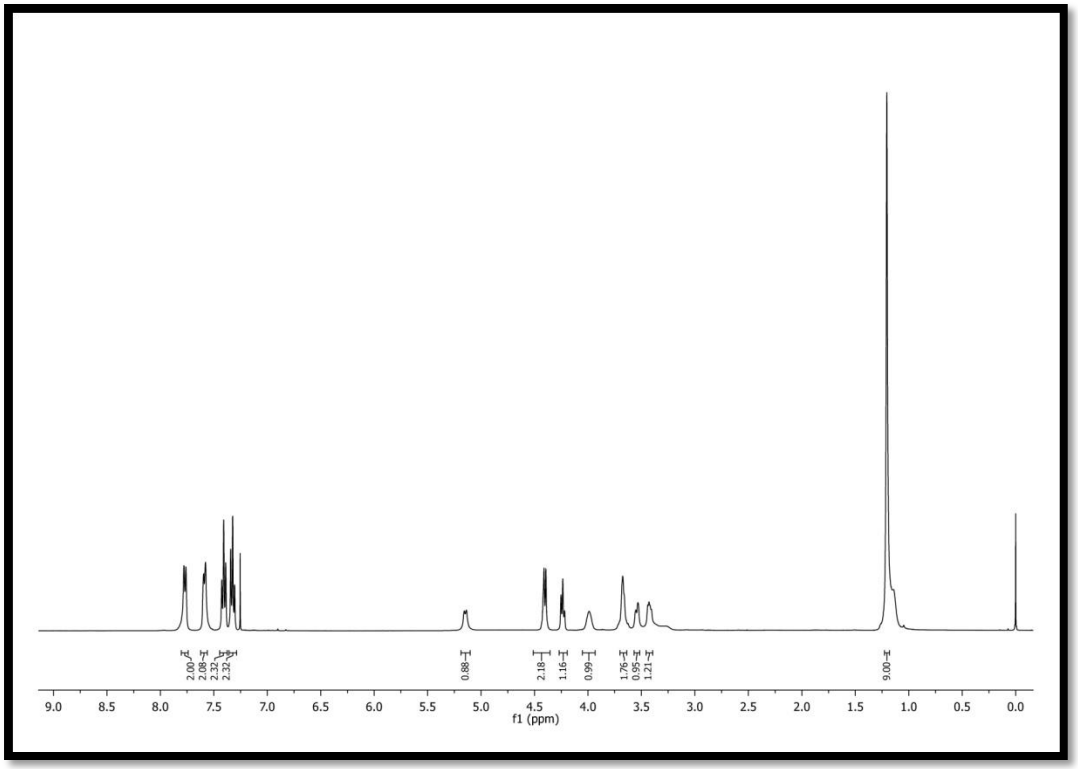

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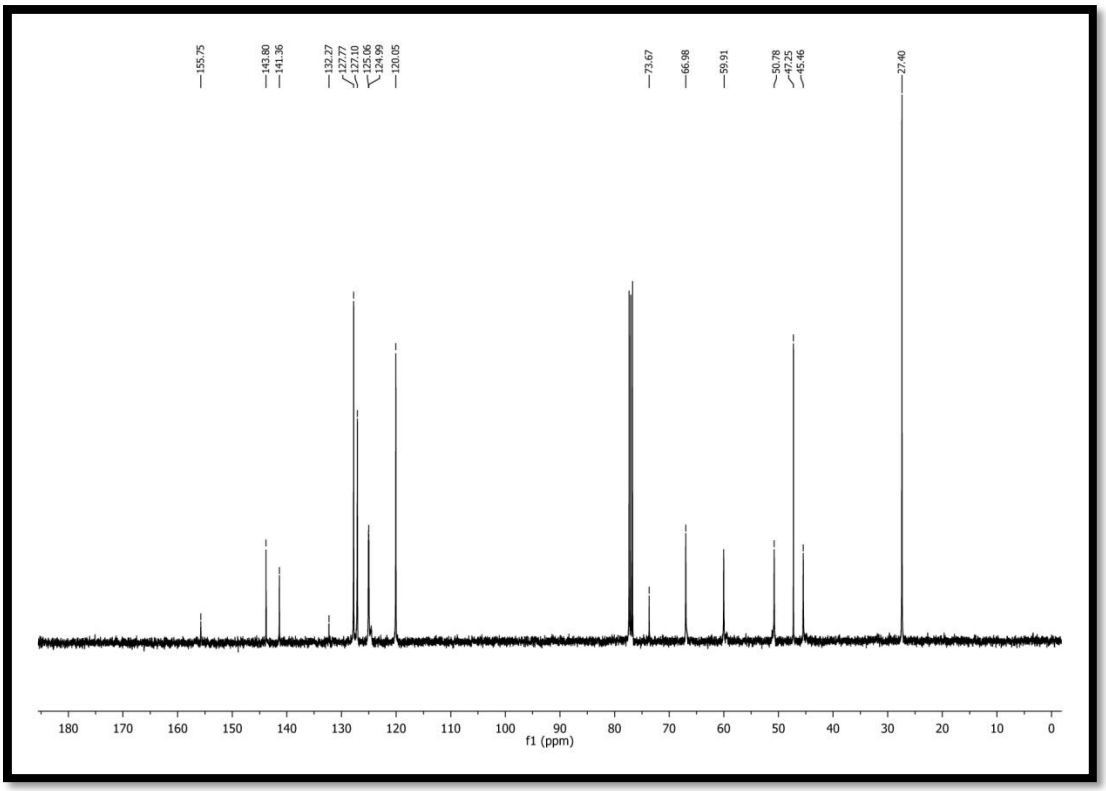

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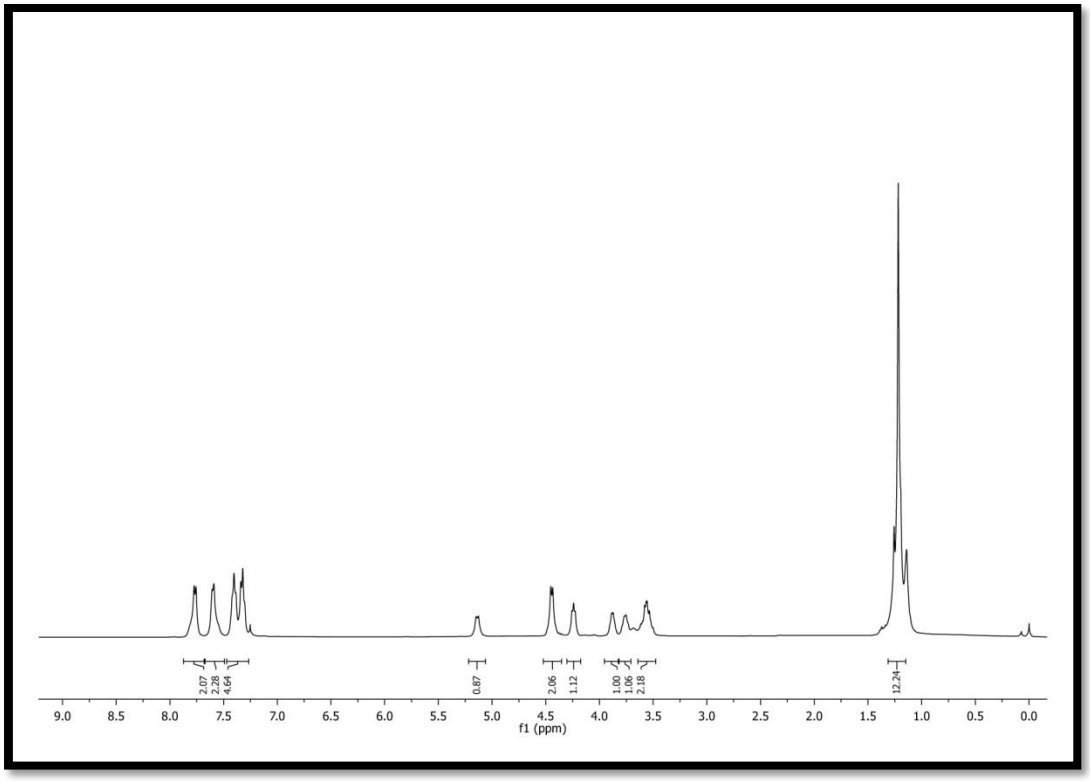
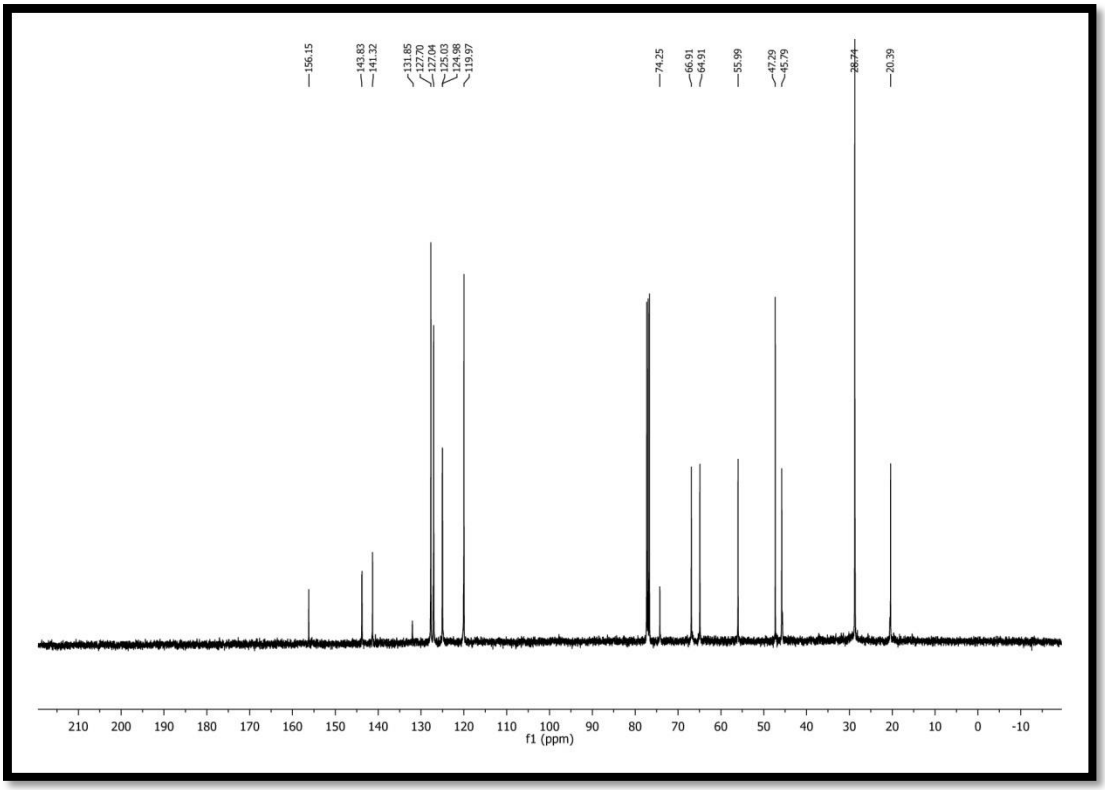
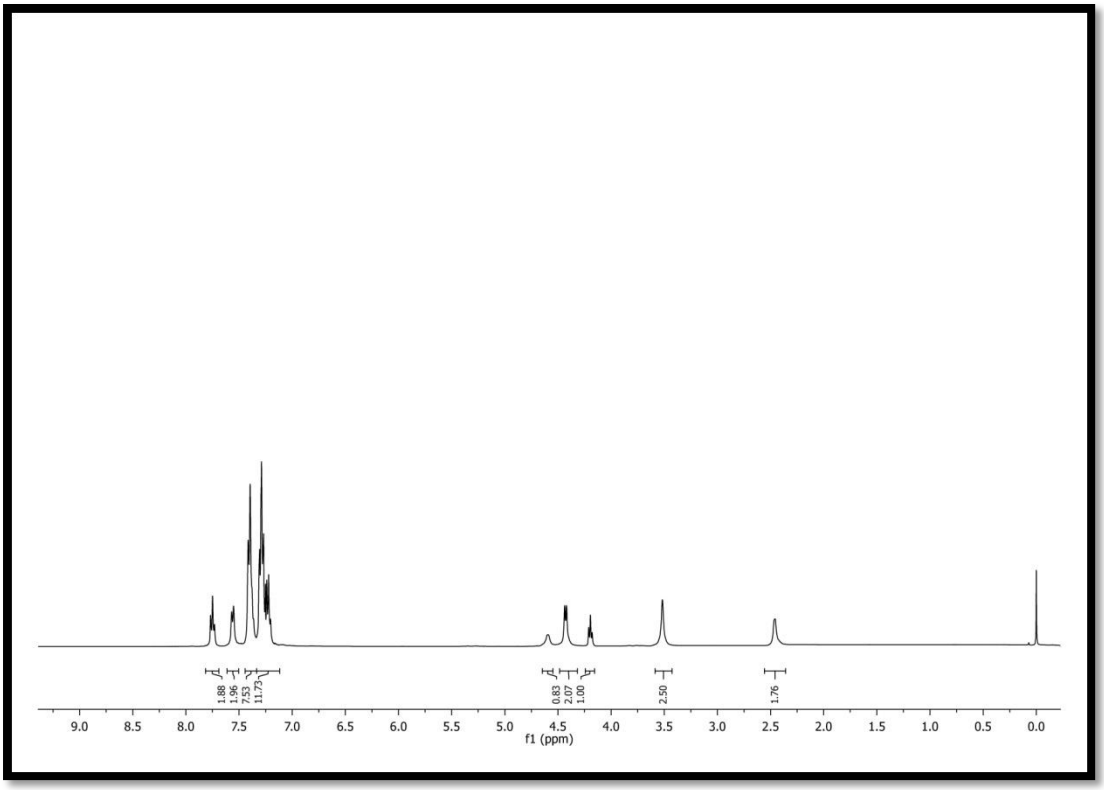


^{1}H NMR Spectrum of Fmoc-Thr(^{t}Bu)-ψ[CH_2NCS], 2o



^{13}C NMR Spectrum of Fmoc-Thr(^{t}Bu)-ψ[CH_2NCS], 2o



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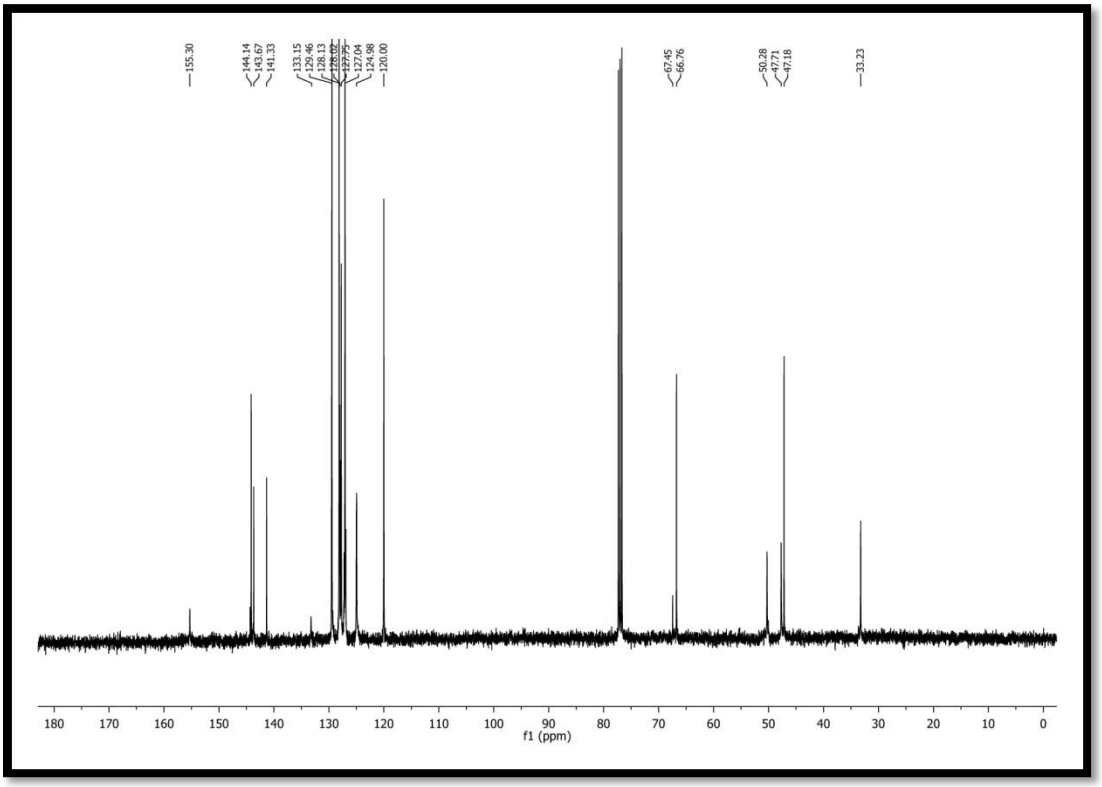

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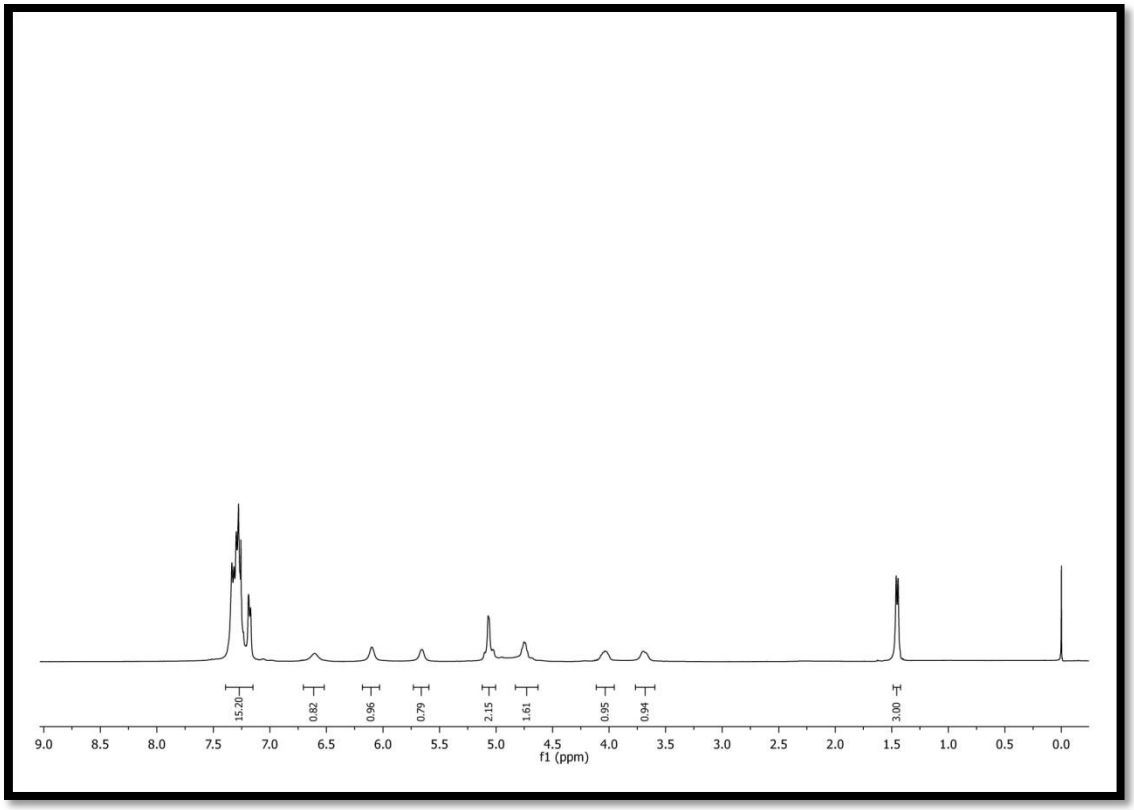

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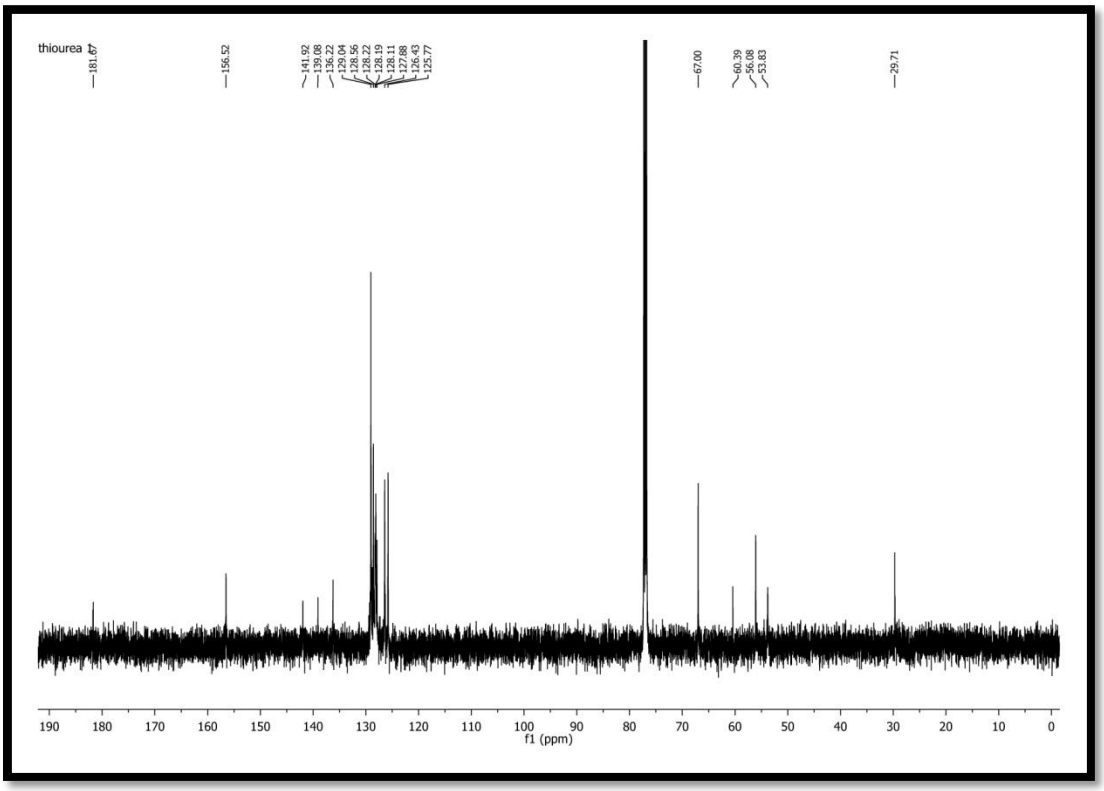

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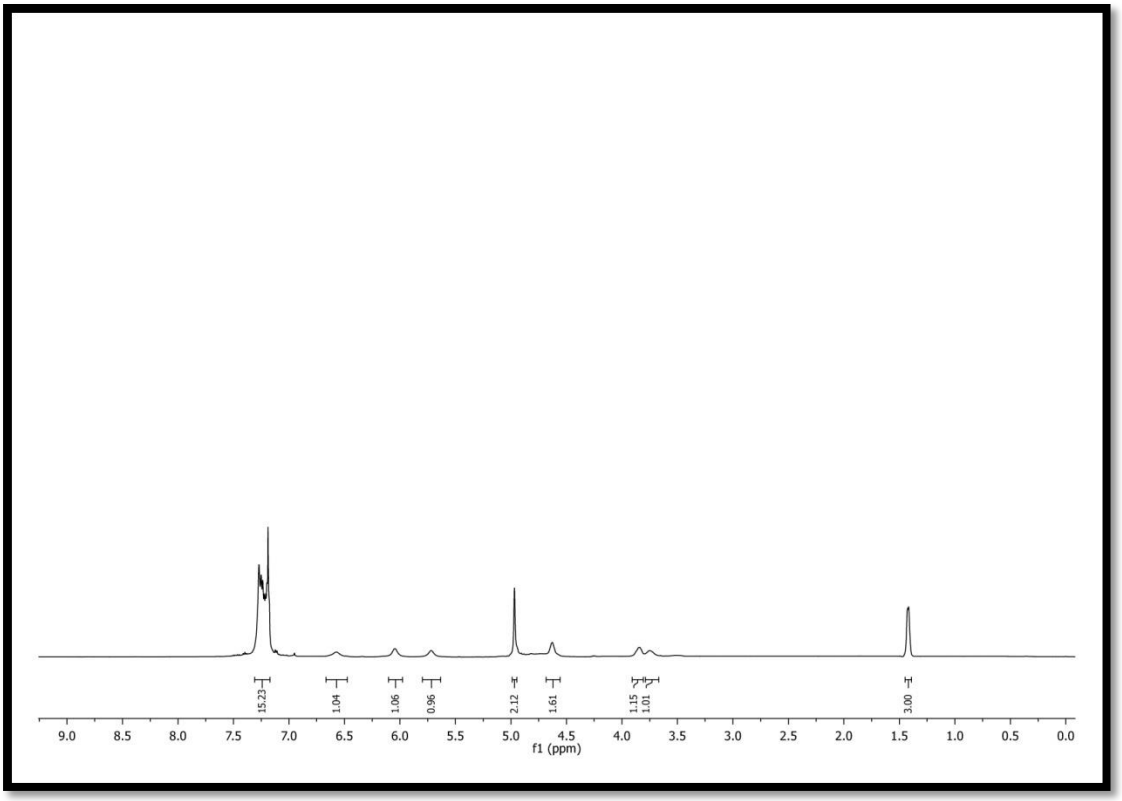

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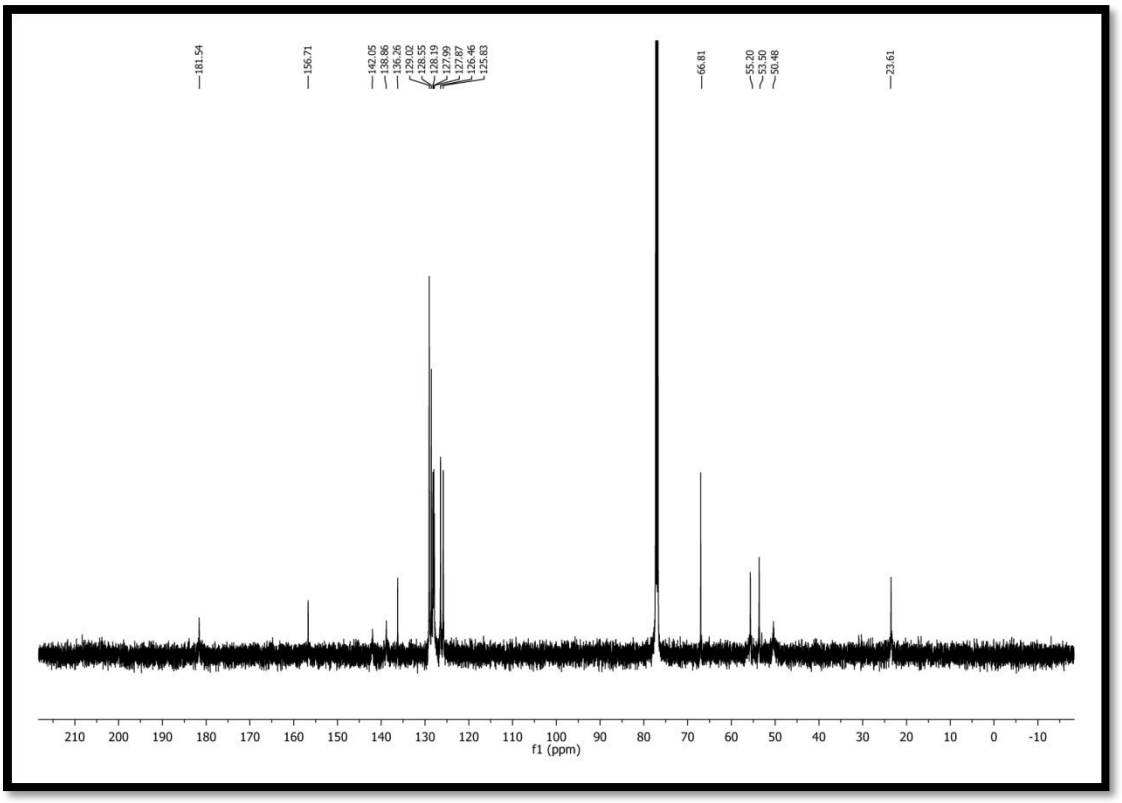

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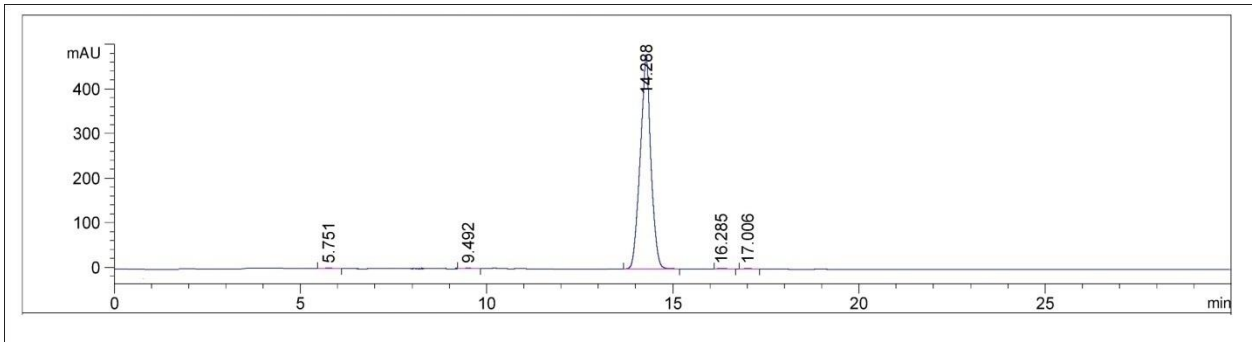
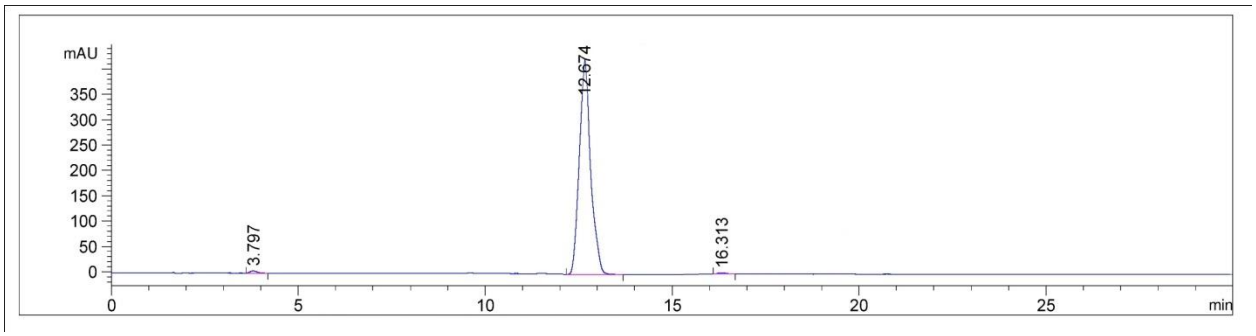
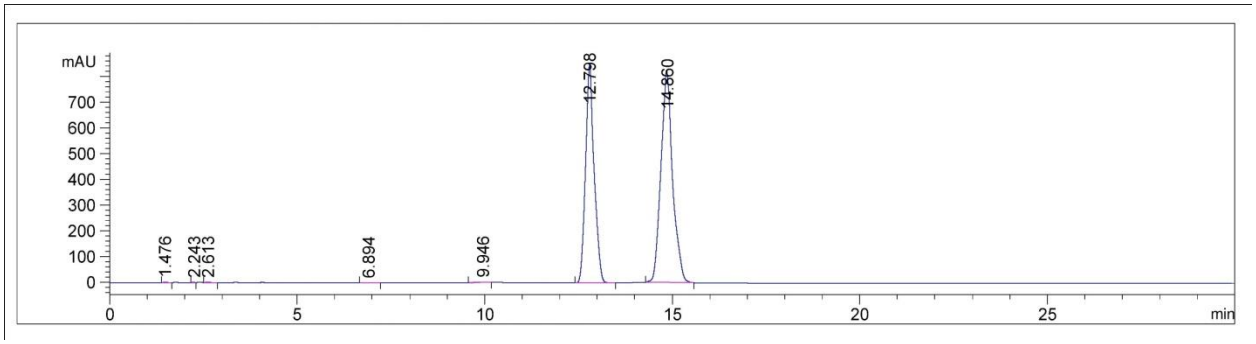


RP-HPLC Chromatogram 3a

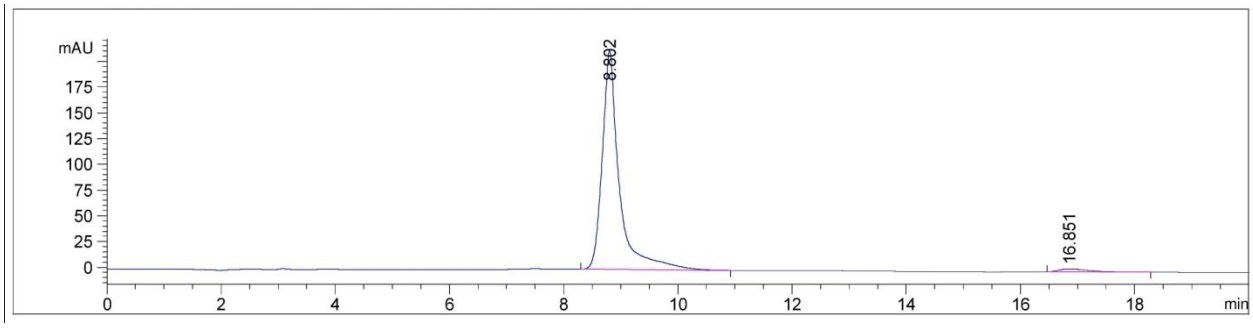


RP-HPLC Chromatogram 3a*

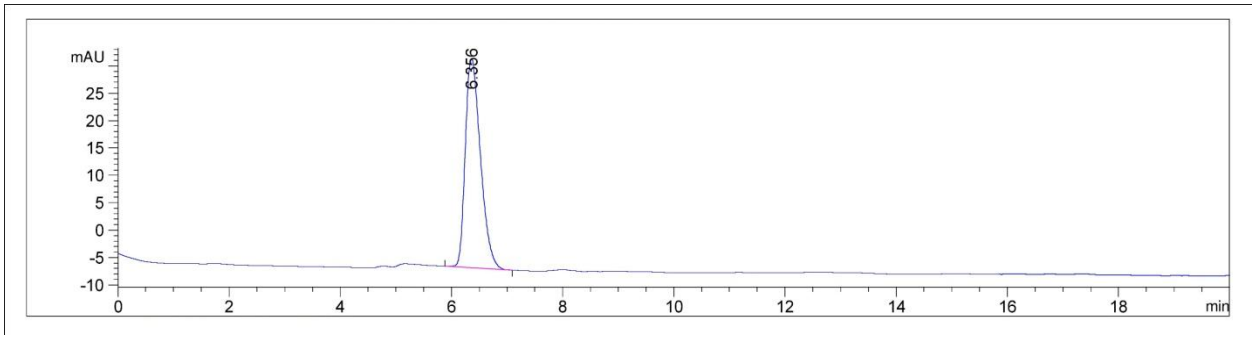


RP-HPLC Chromatogram of equimolar mixture of 3a and 3a*

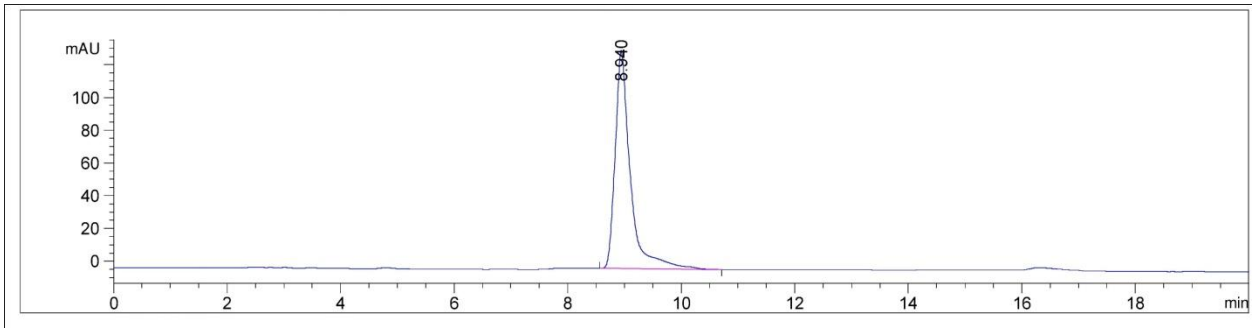
RP-HPLC profiles of (3a) and (3a*) (method: gradient 0.1% TFA water-acetonitrile (0-100%) in 30 min; VWD at λ = 254 nm; flow rate: 1.0 mL/min; column: Agilent Eclipse, XDB-C18, pore size-5 μm, diameter x length = 4.6 x 150 nm).



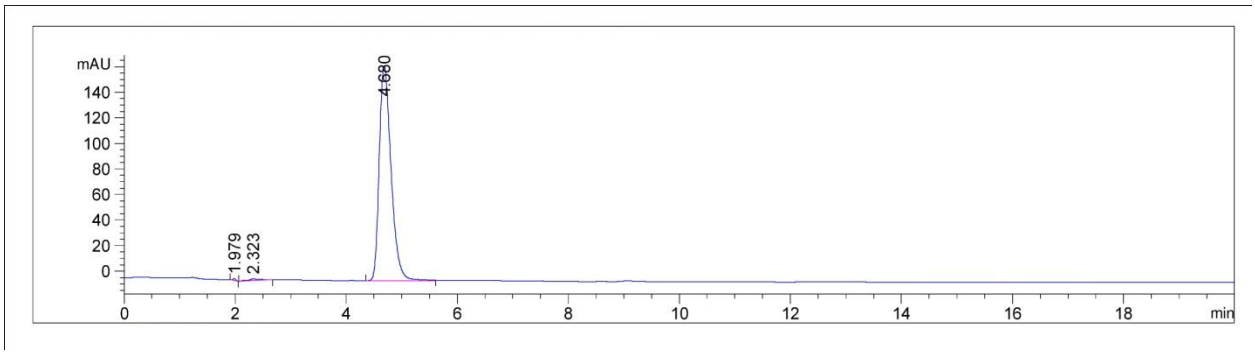
RP-HPLC Chromatogram of 2a



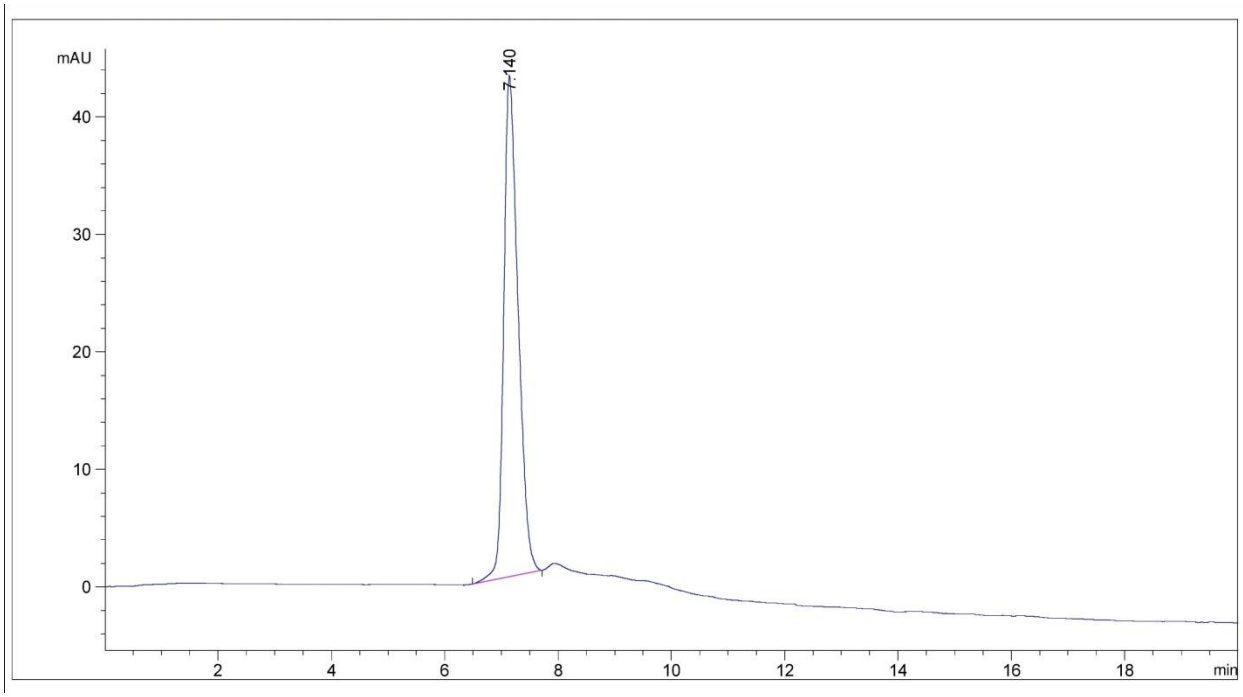
RP-HPLC Chromatogram of 2b



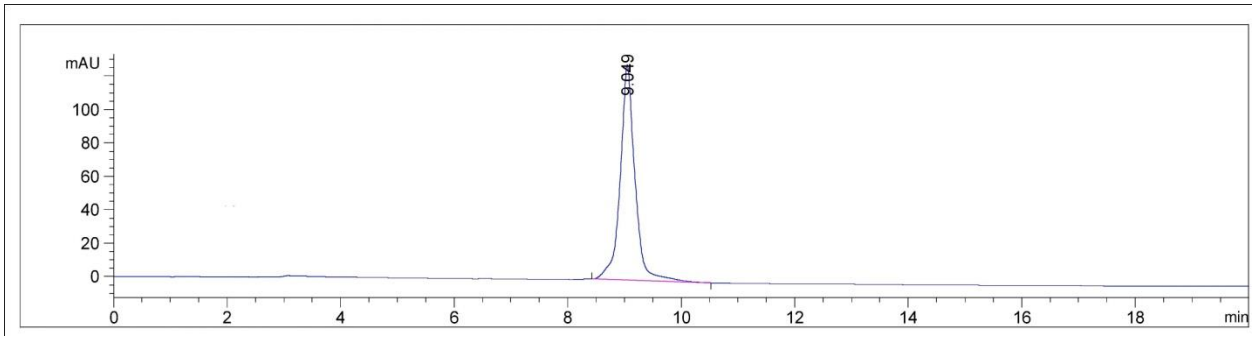
RP-HPLC Chromatogram of 2c



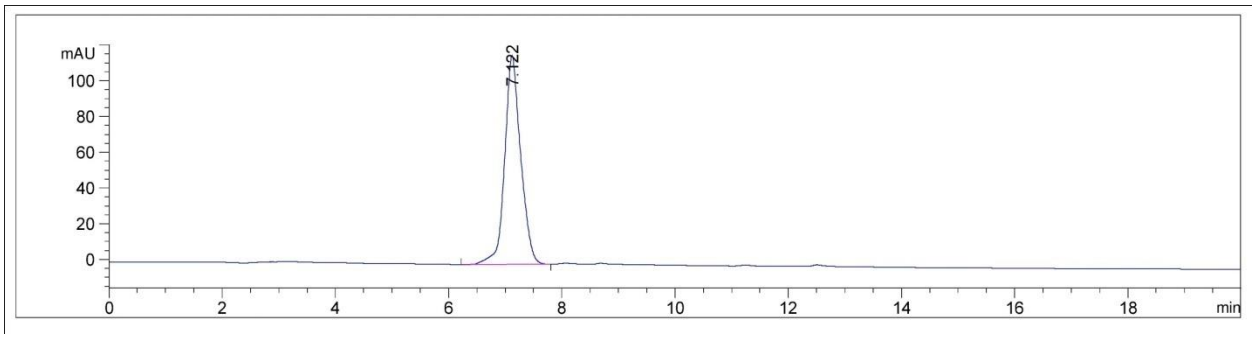
RP-HPLC Chromatogram of 2d



RP-HPLC Chromatogram of 2e



RP-HPLC Chromatogram of 2f



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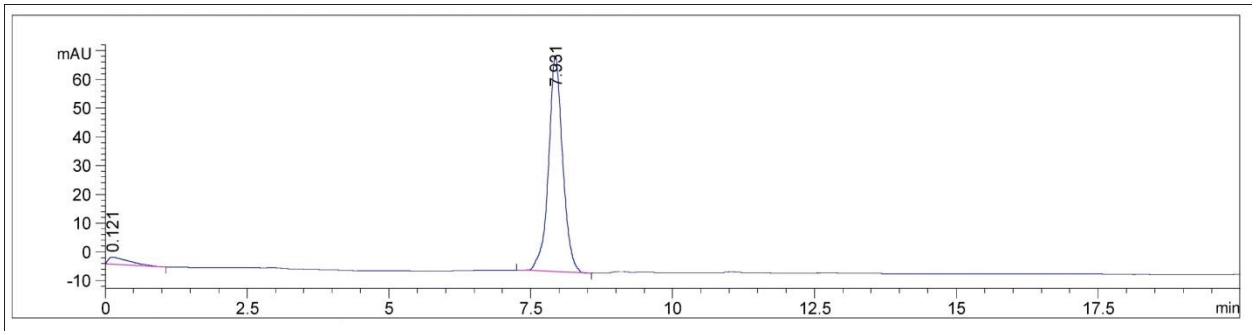

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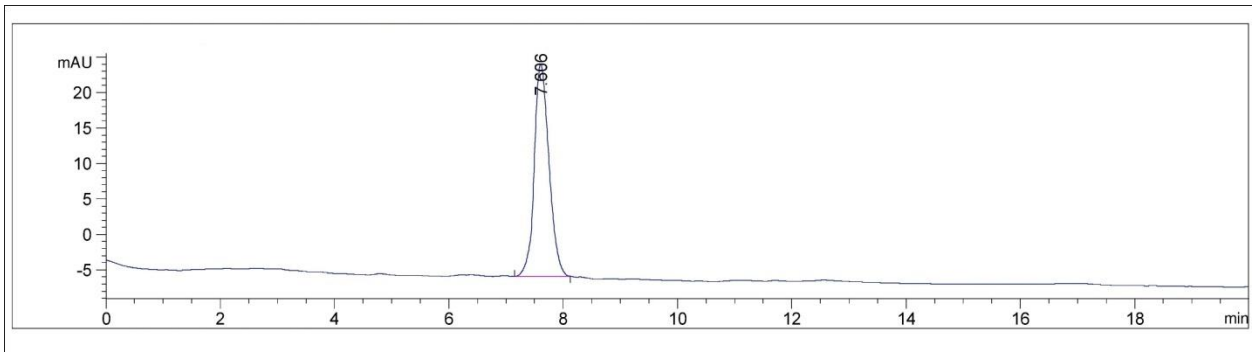

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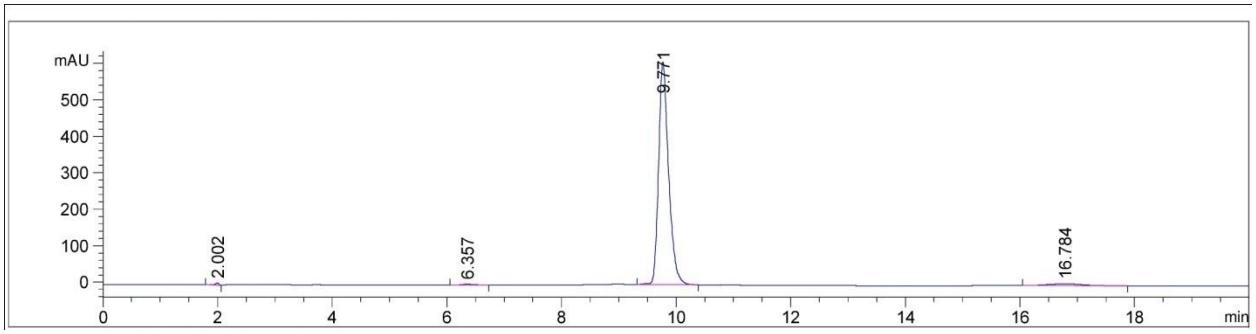

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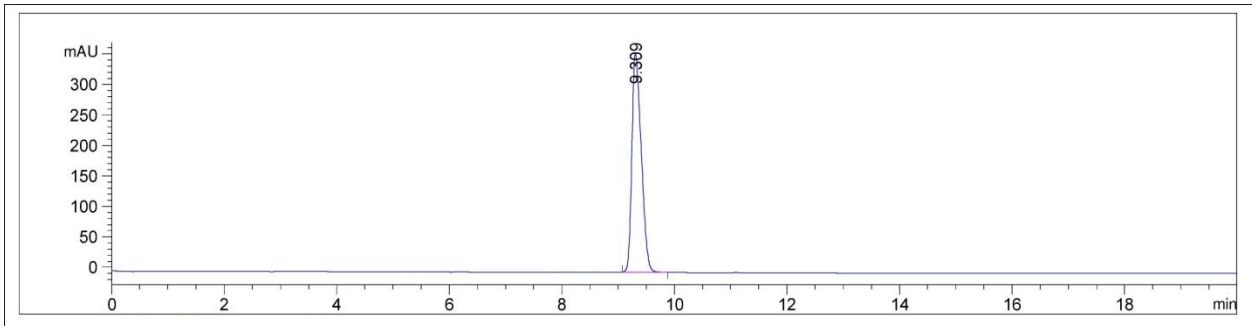

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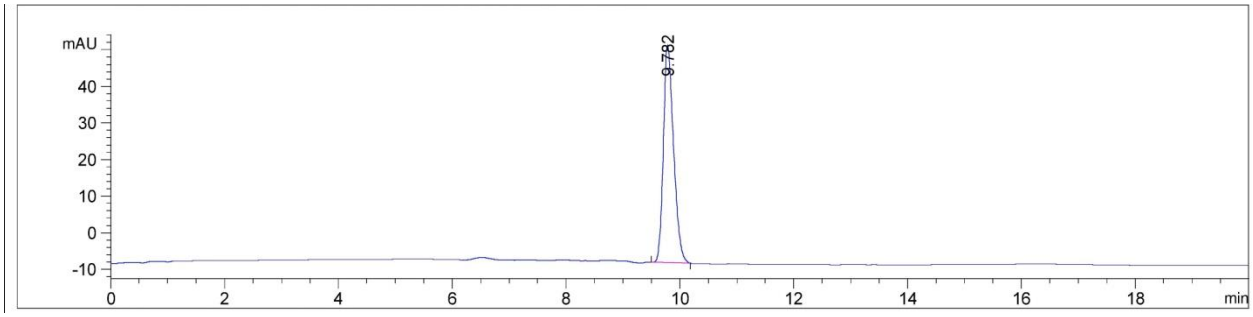

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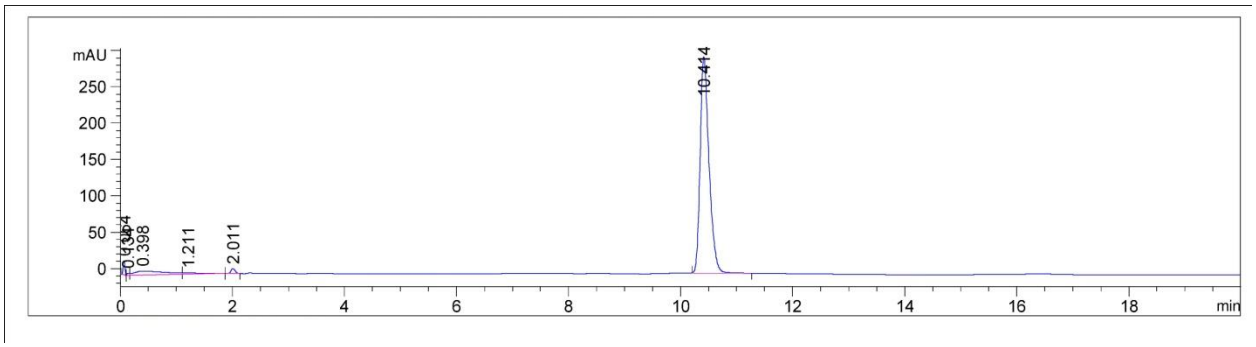
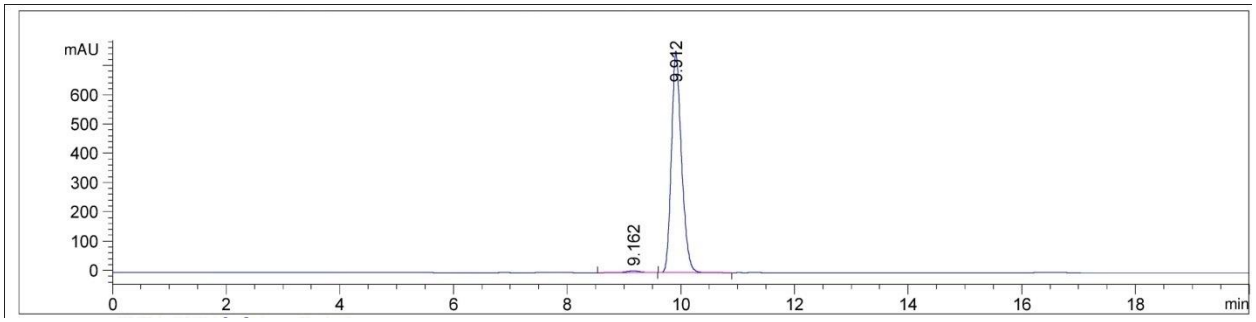
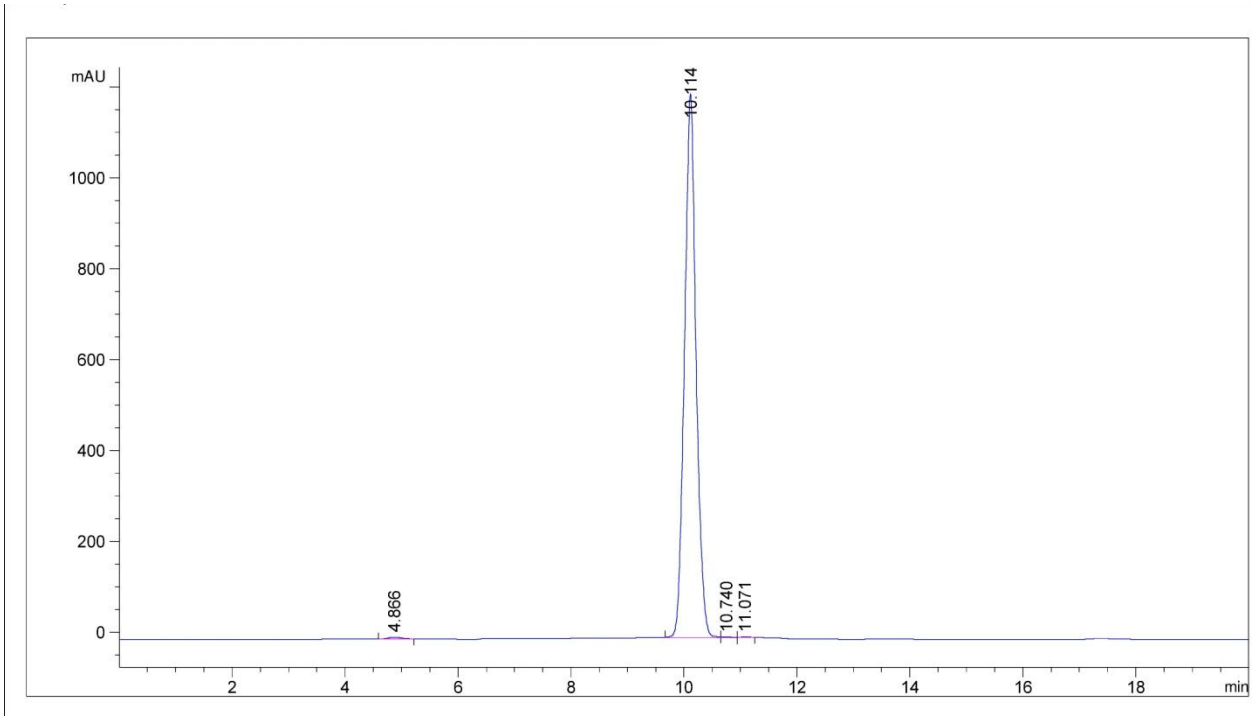


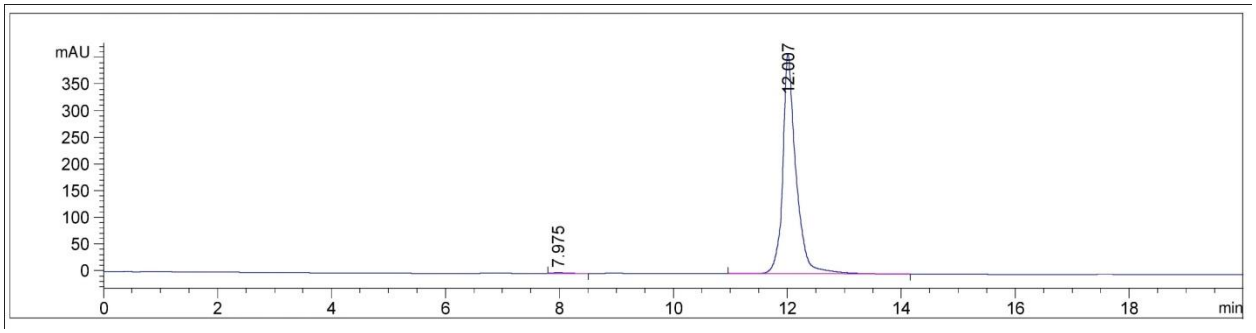
RP-HPLC Chromatogram of 2m



RP-HPLC Chromatogram of 2n



RP-HPLC Chromatogram of 2o



RP-HPLC Chromatogram of 2p

RP-HPLC profiles of 2a-p (method: gradient 0.1% TFA water-acetonitrile (0-100%) in 20 min; VWD at λ = 254 nm; flow rate: 1.0 mL/min; column: Agilent Eclipse, XDB-C18, pore size-5 µm, diameter x length = 4.6 x 150 nm).