

## **Comparative Efficacy of Novel Mono- and Di-Azomethine clubbed Schiff Bases against $\alpha$ -Glucosidase and Human Bacterial Pathogens: In Vitro, Molecular Docking, and MD Simulations**

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#### **Syed Majid Bukhari**

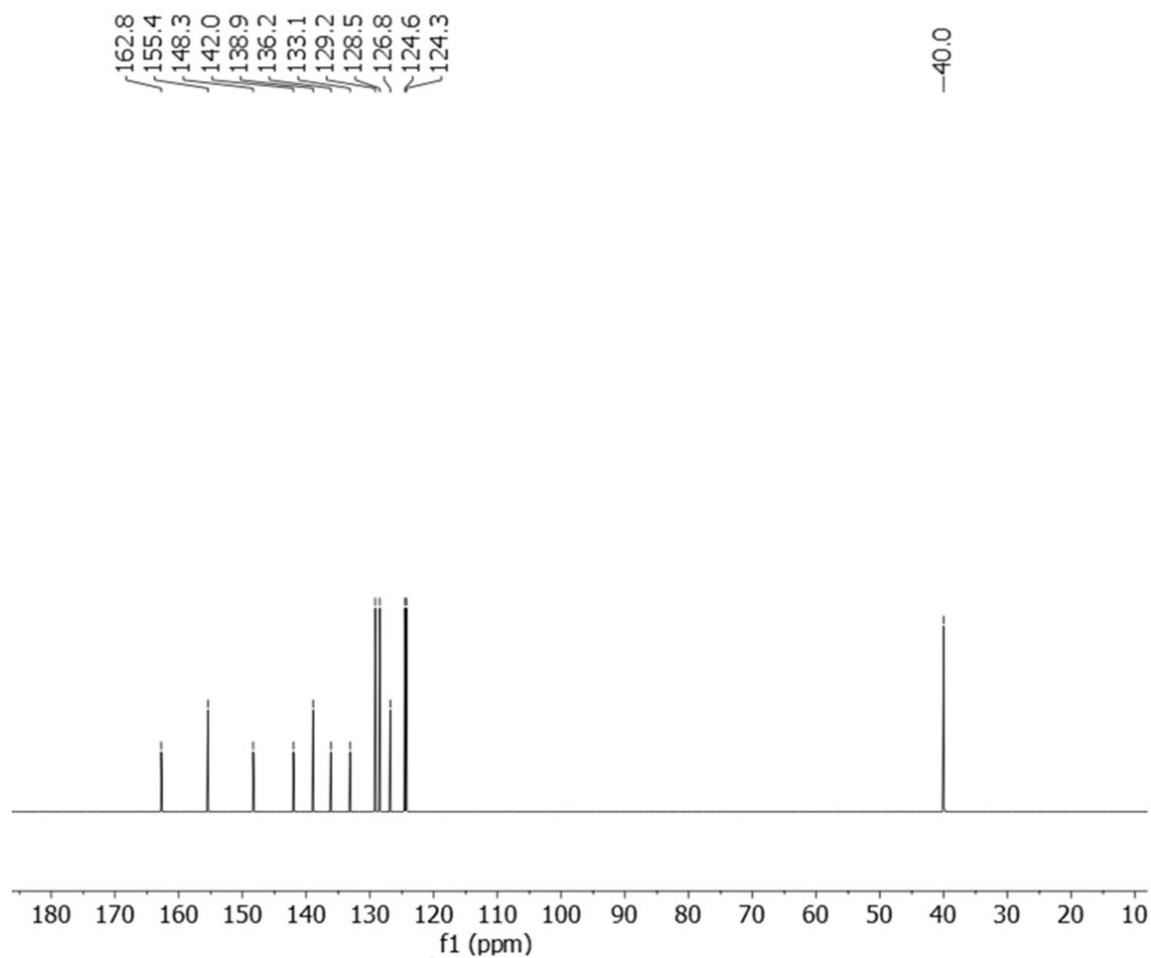
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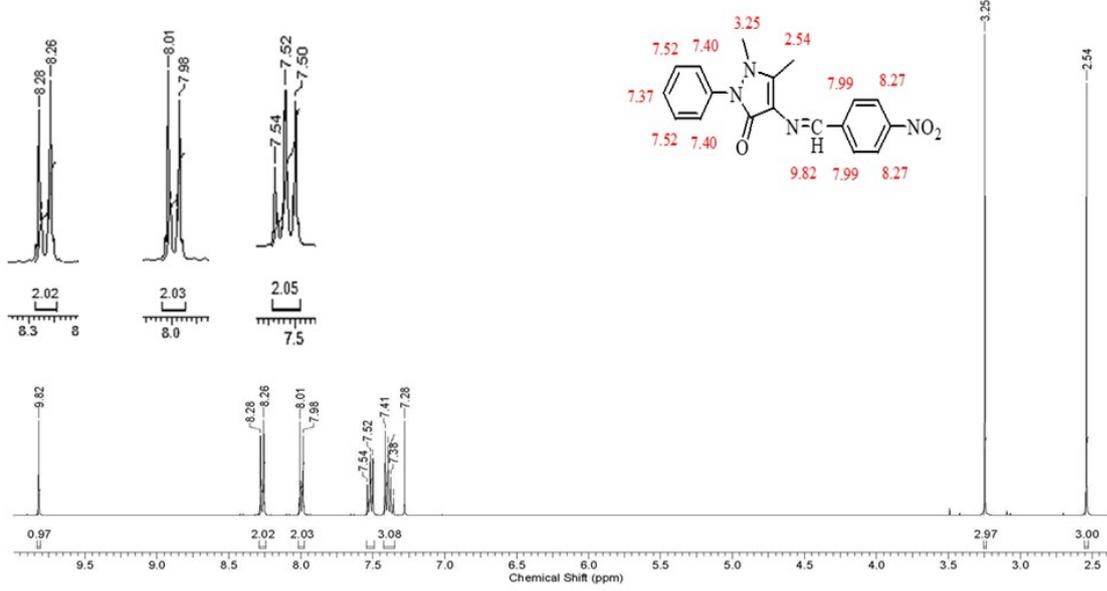
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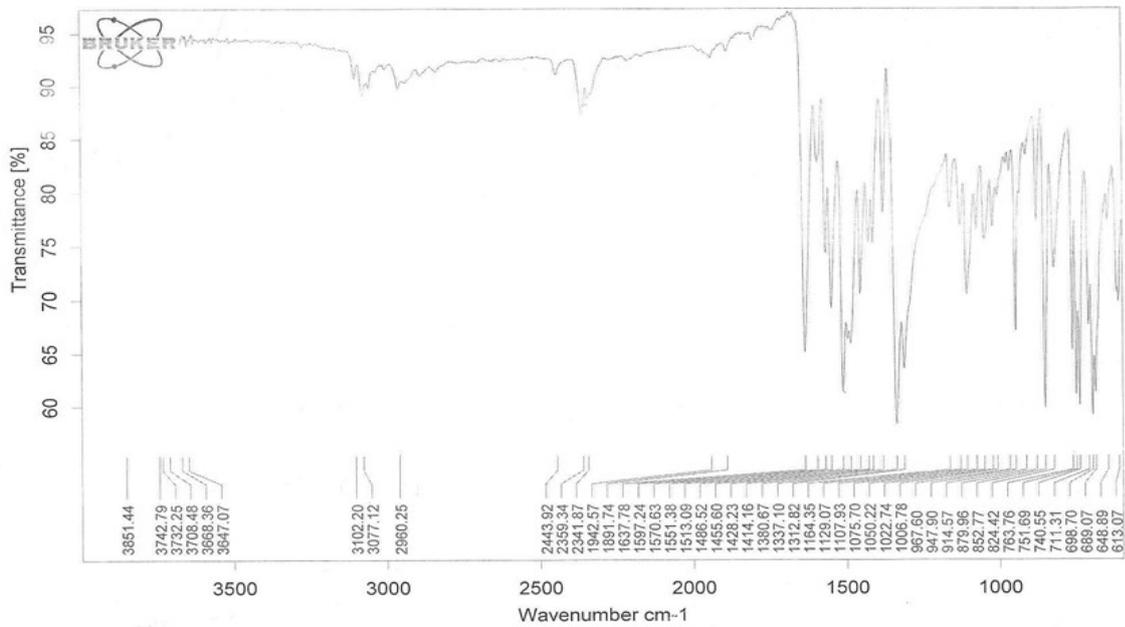
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14 Jun 2017

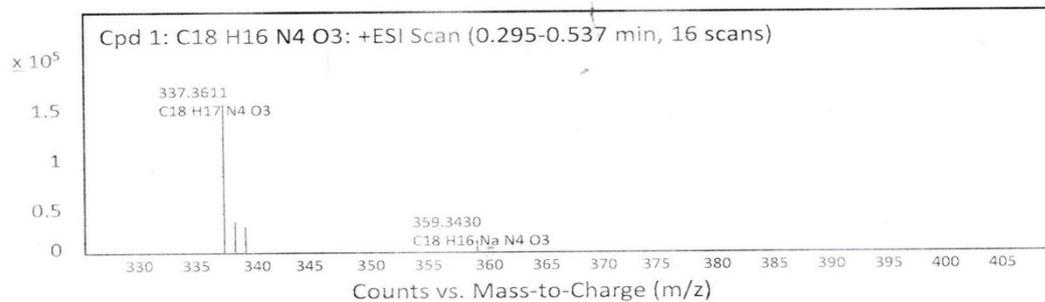
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		Pulse Sequence	zg30
		Temperature (degree C)	24.400



# FT-IR



# Mass Spectrum

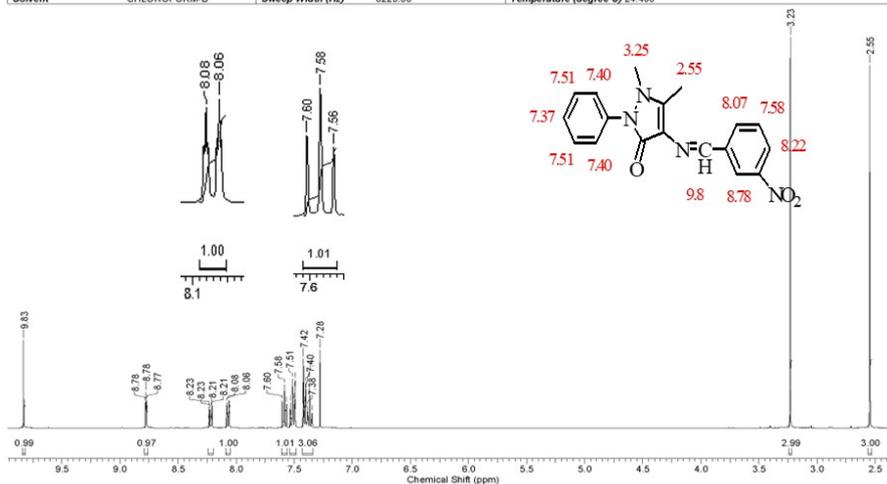


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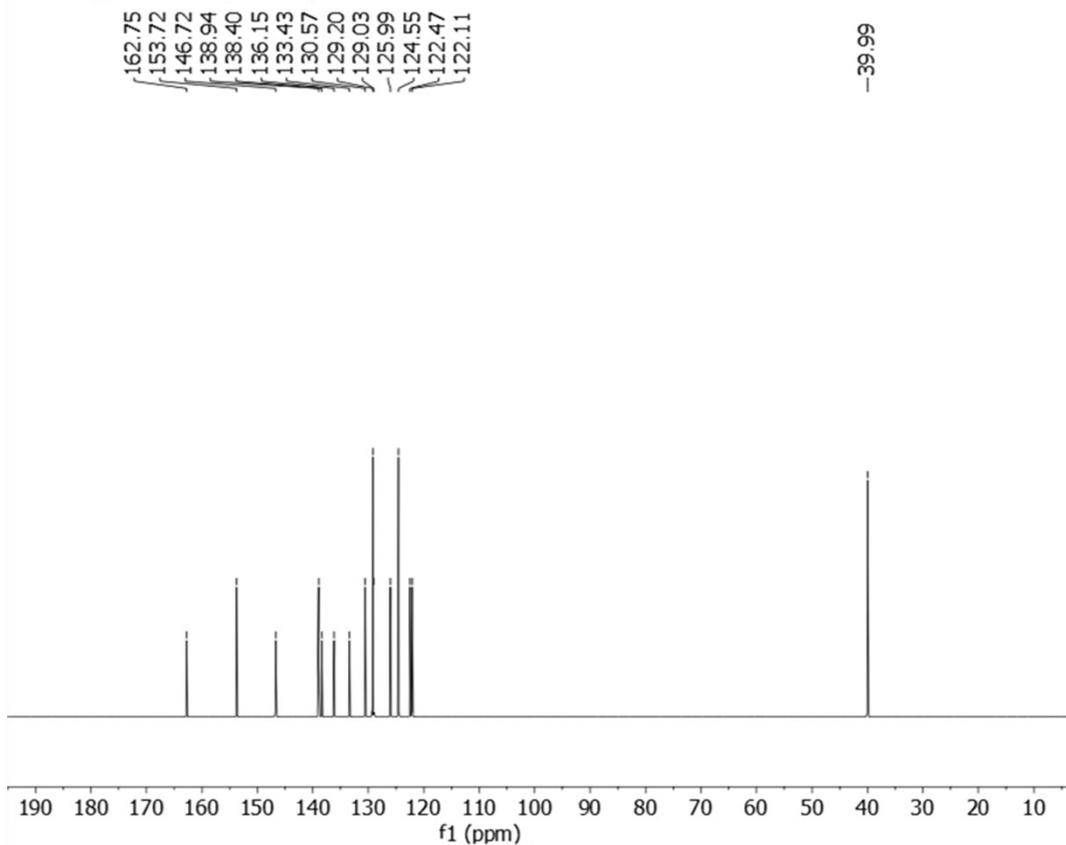
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19 Jun 2017

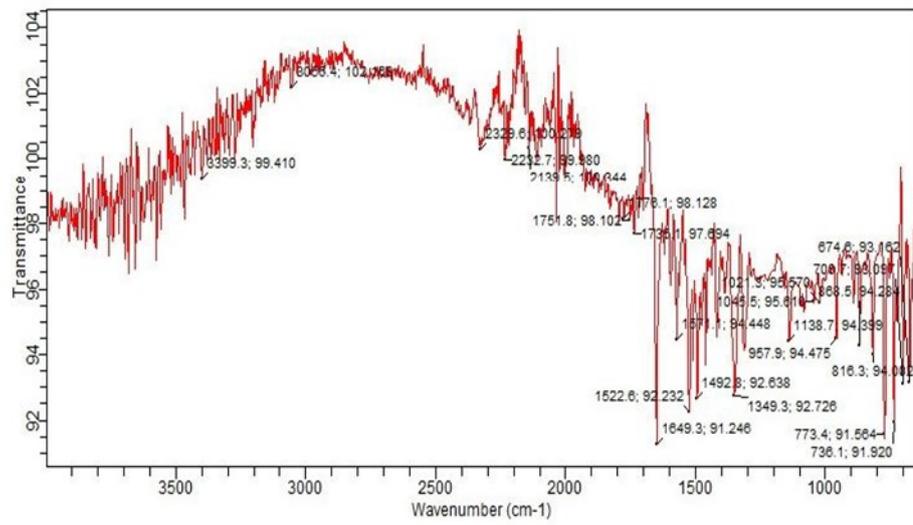
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Solvent	CHLOROFORM-D	Sweep Width (Hz)	8223.68	Temperature (degree C)	24.400	



AT-6-2\_02000/Dr. Majid/CDCl<sub>3</sub>



# FT-IR

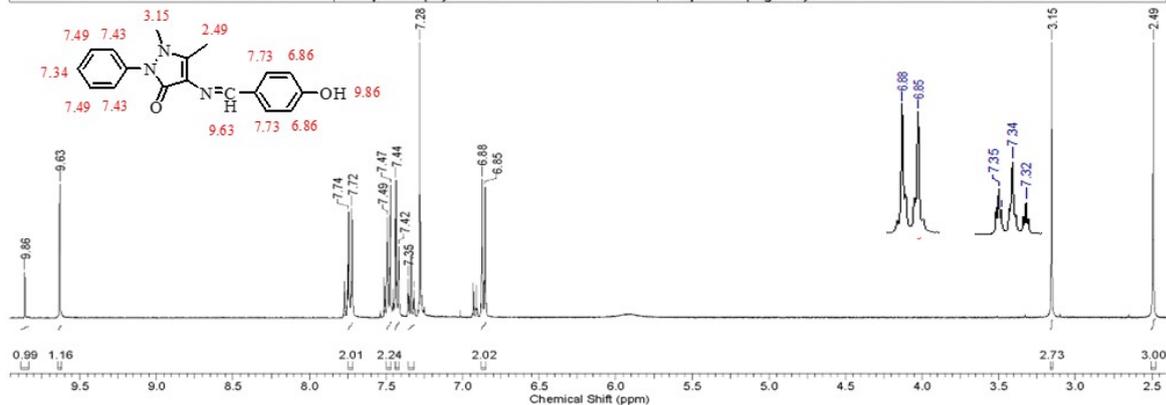


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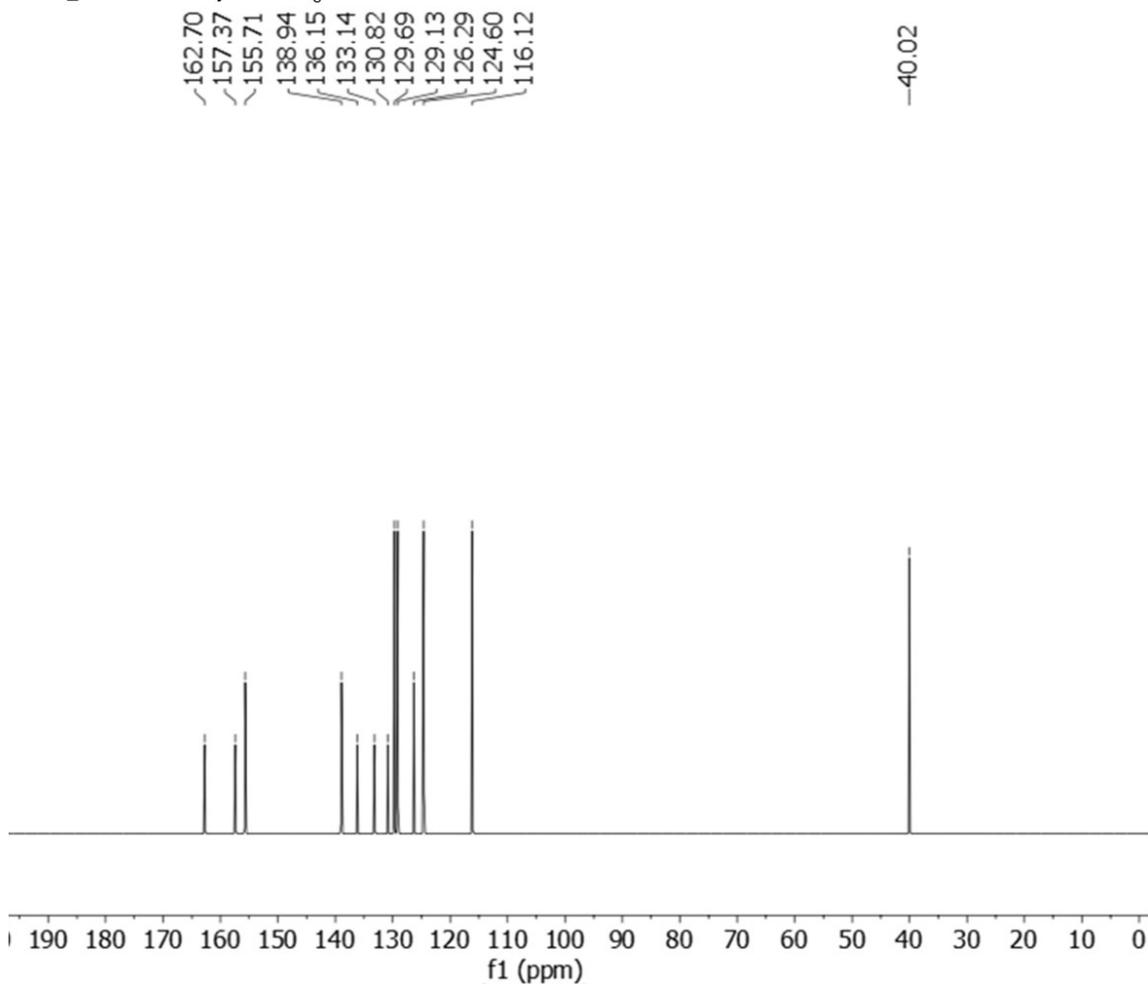
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20 Jun 2017

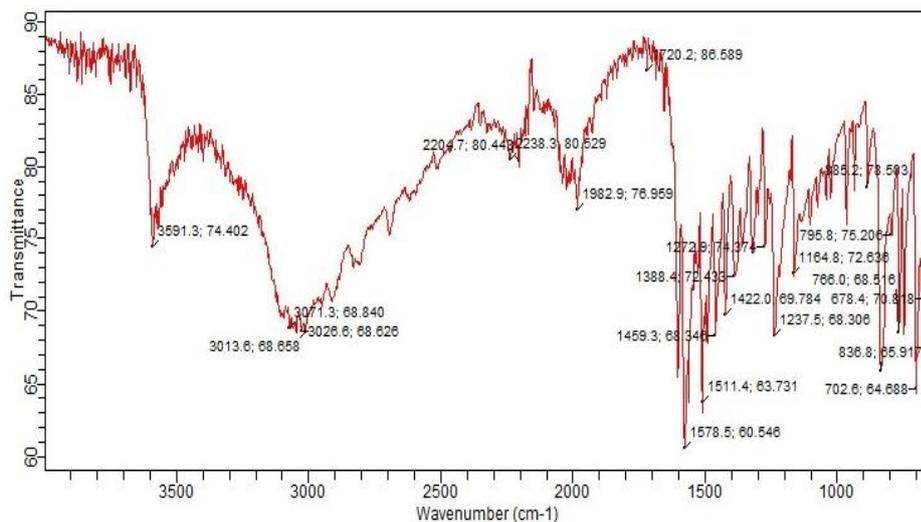
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		Pulse Sequence	zg30
		Temperature (degree C)	24.400



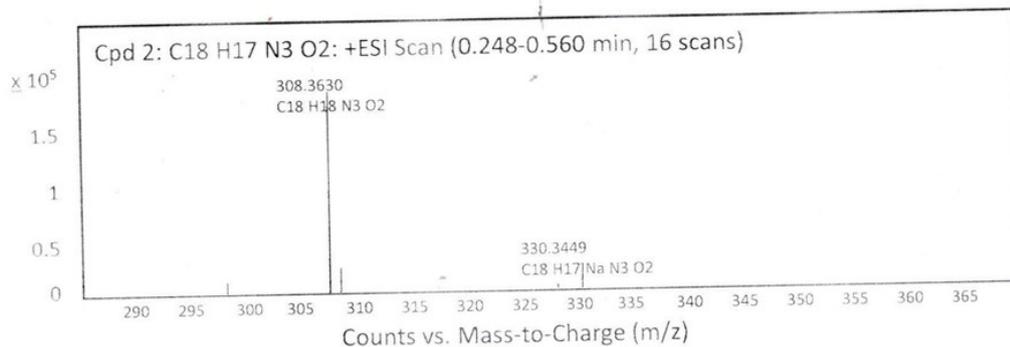
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# FT-IR



# Mass Spectrum

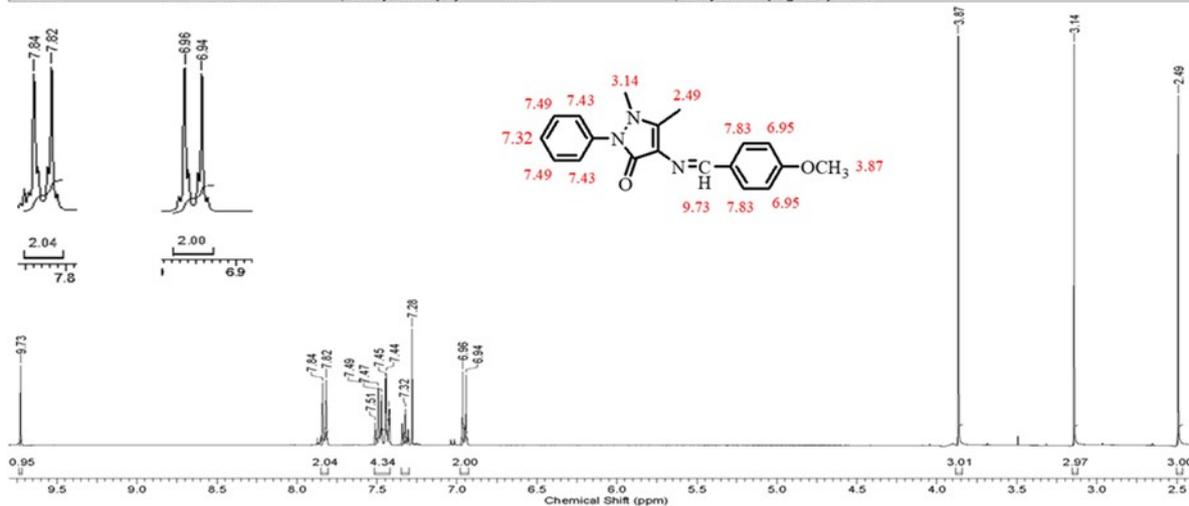


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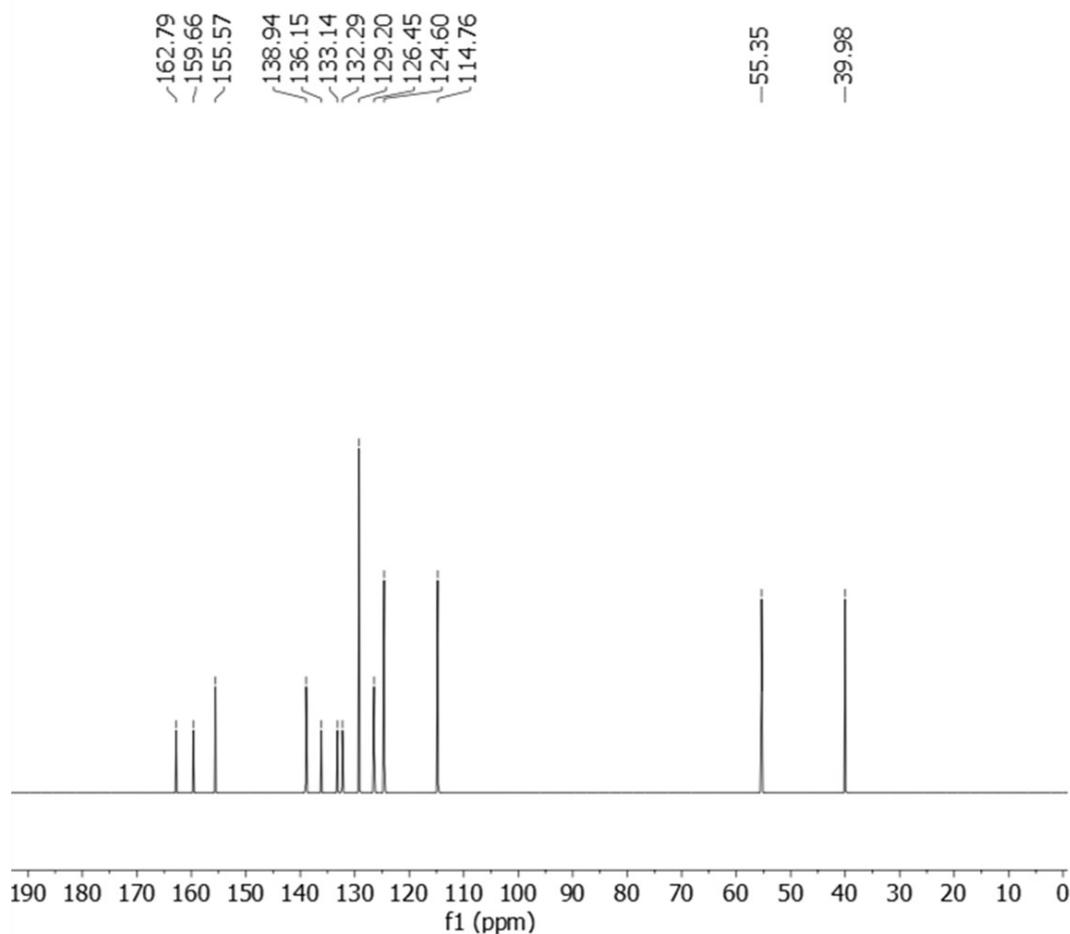
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19 Jun 2017

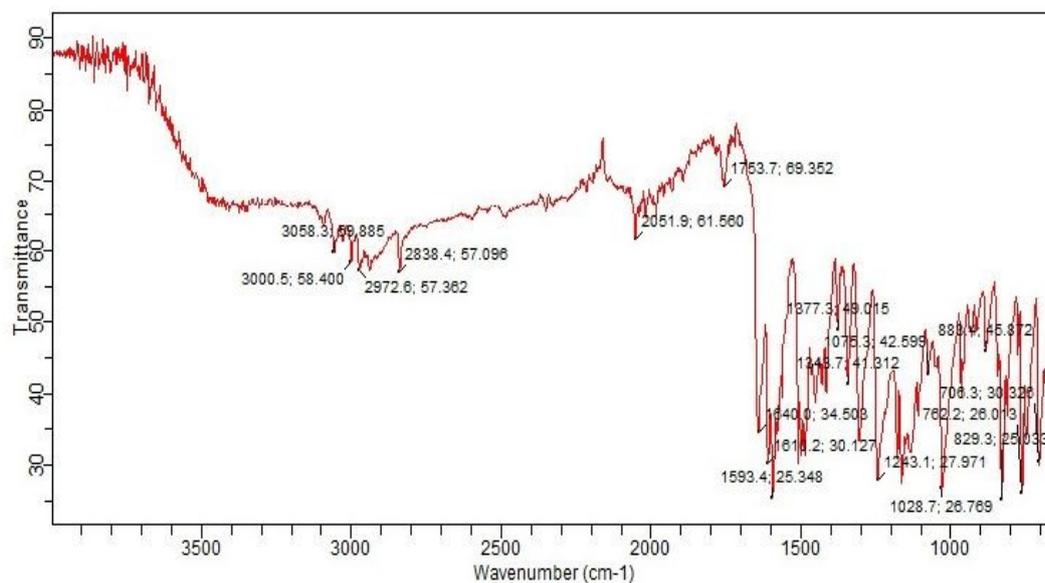
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		Temperature (degree C)	24.400



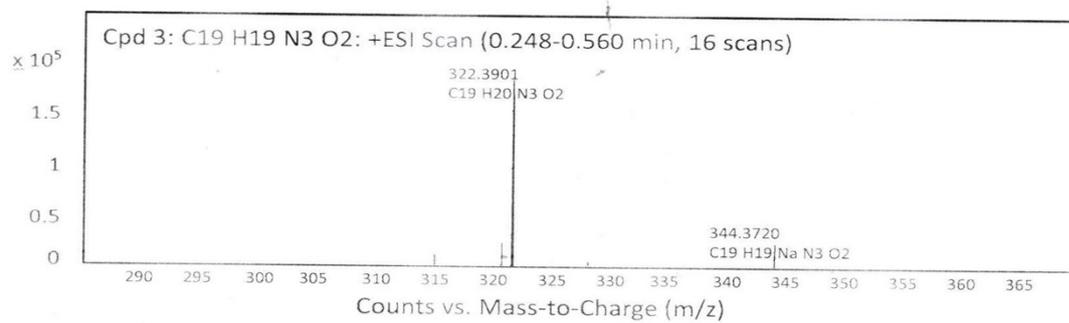
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# FT-IR



# Mass Spectrum

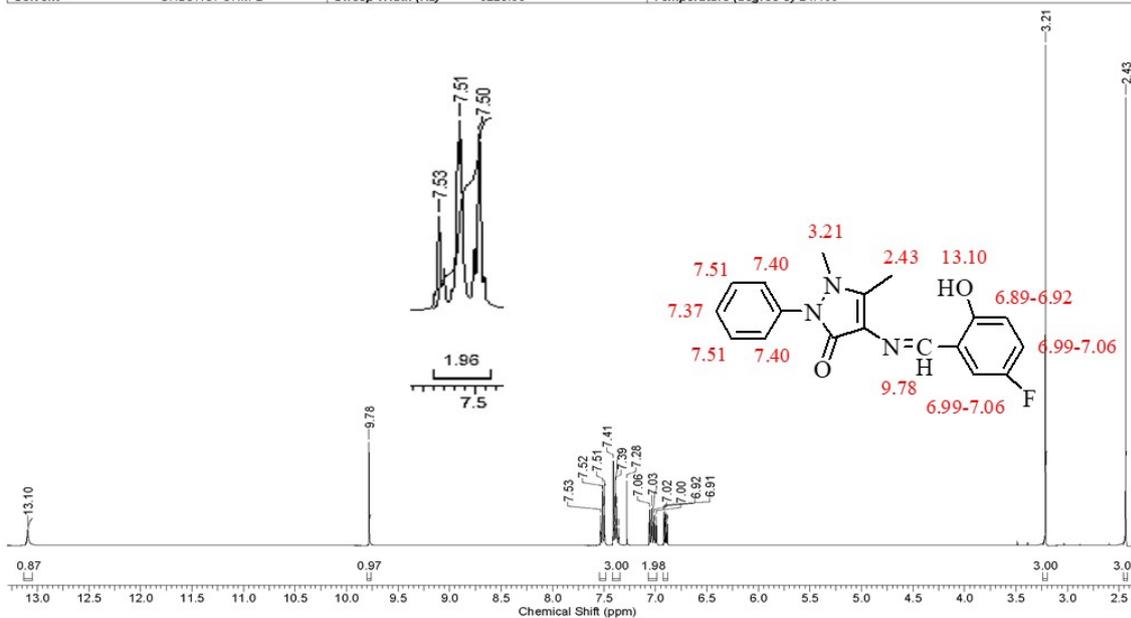


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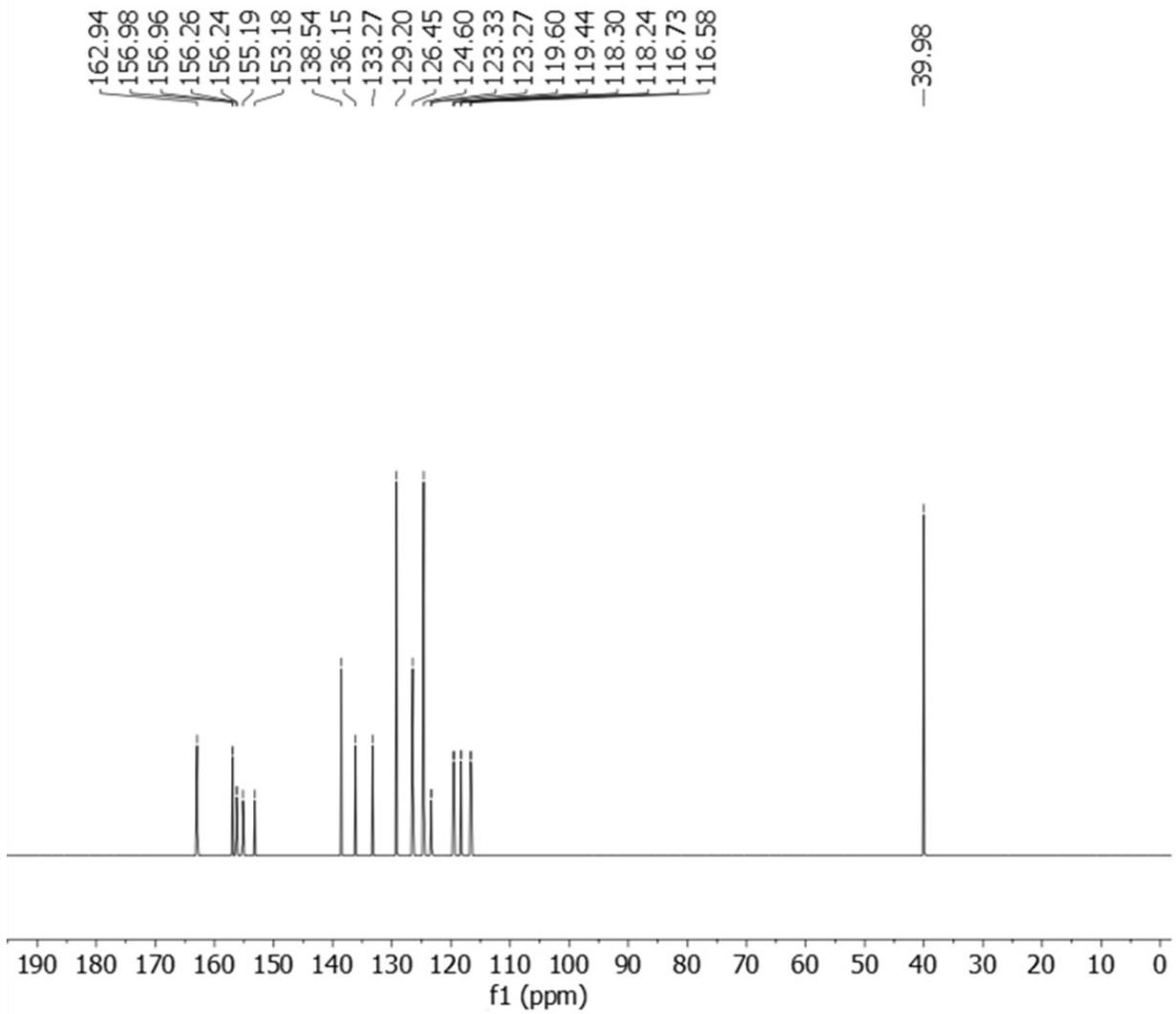
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19 Jun 2017

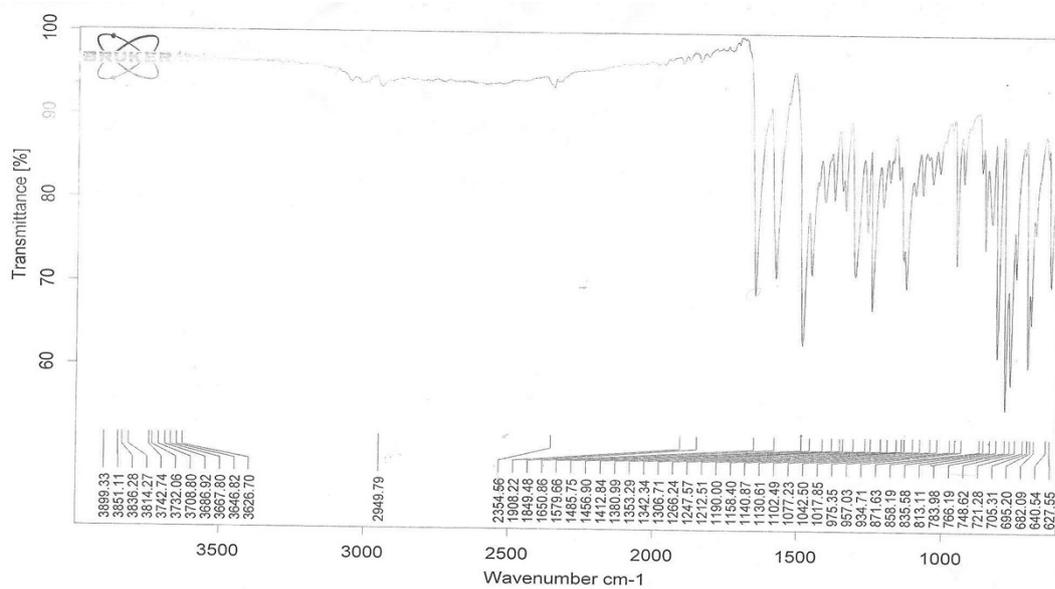
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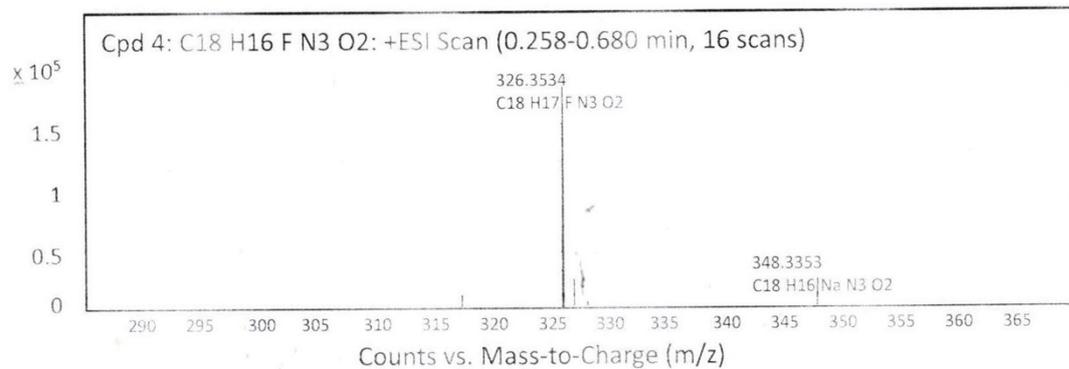
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## FT-IR



# Mass Spectrum

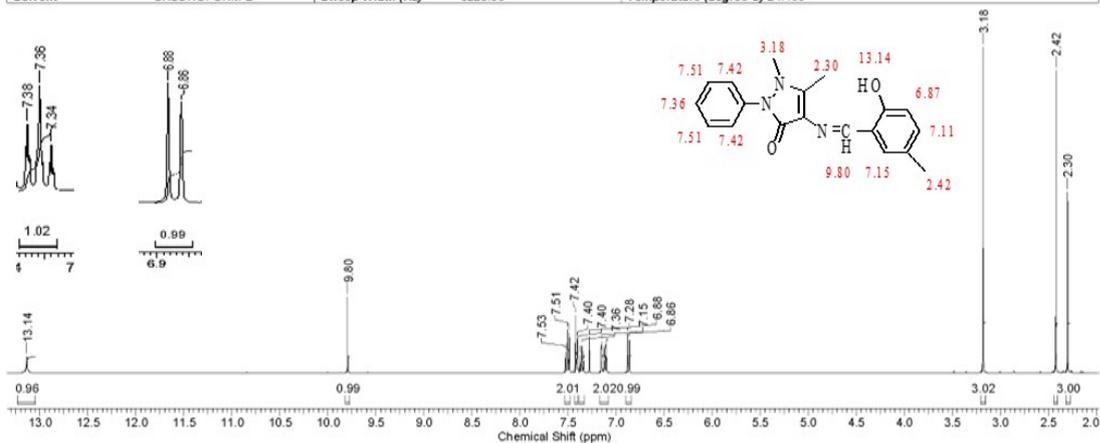


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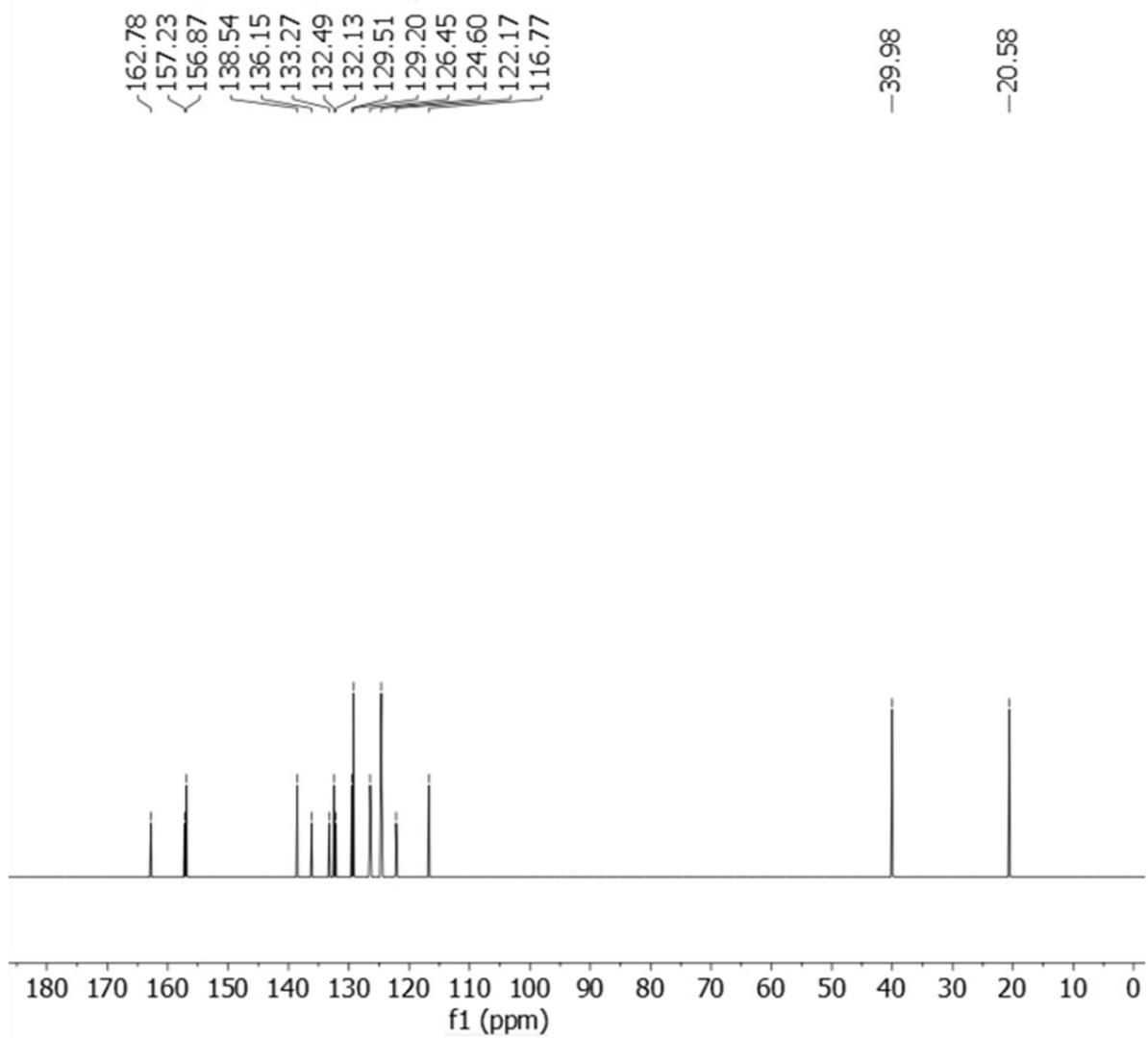
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19 Jun 2017

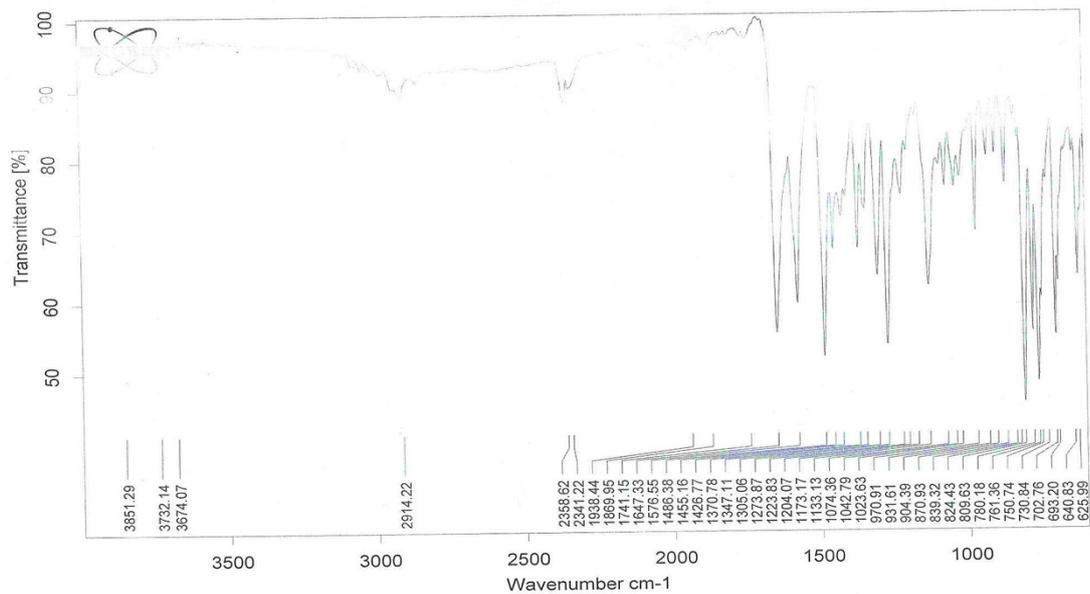
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AT-11-1/Iqra /Dr. Majid/CDCL<sub>3</sub>



# FT-IR

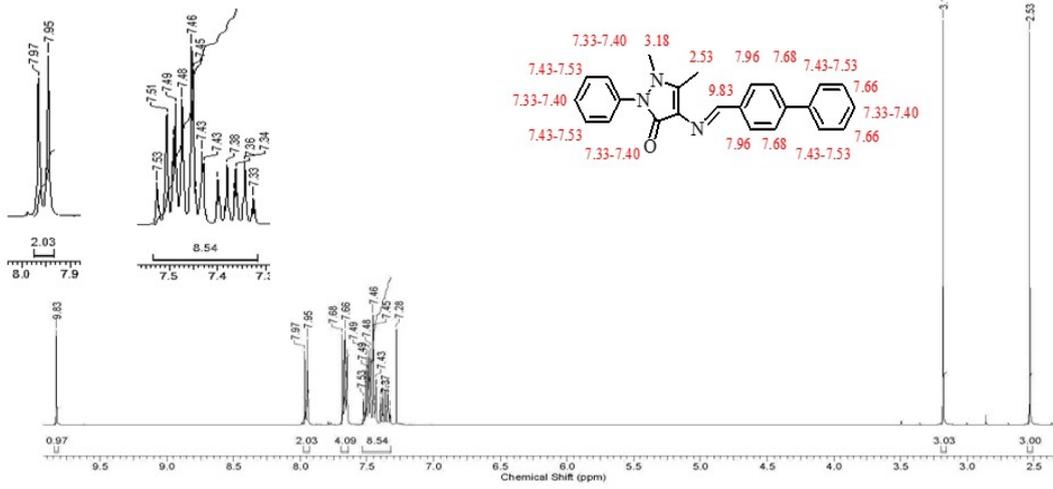


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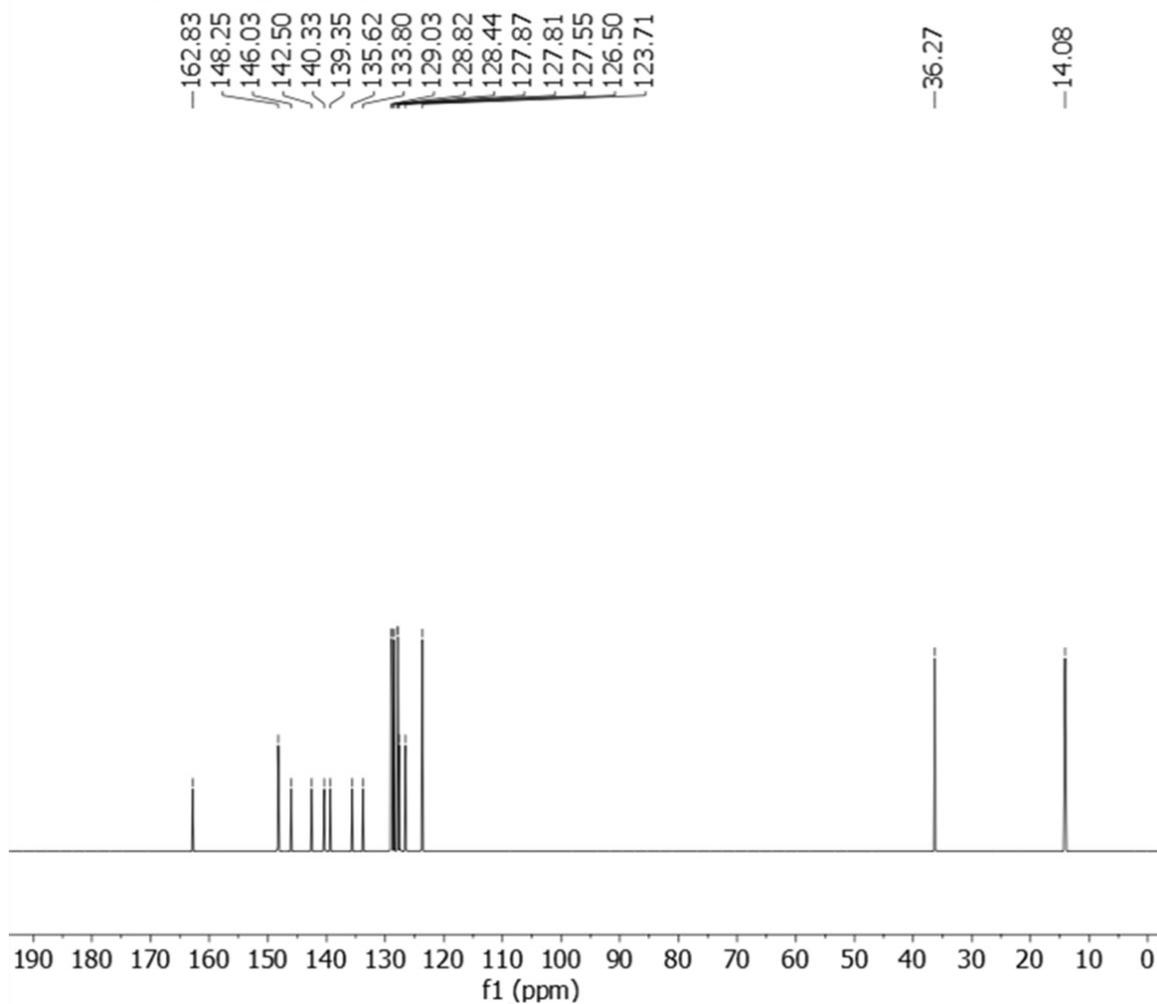
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14 Jun 2017

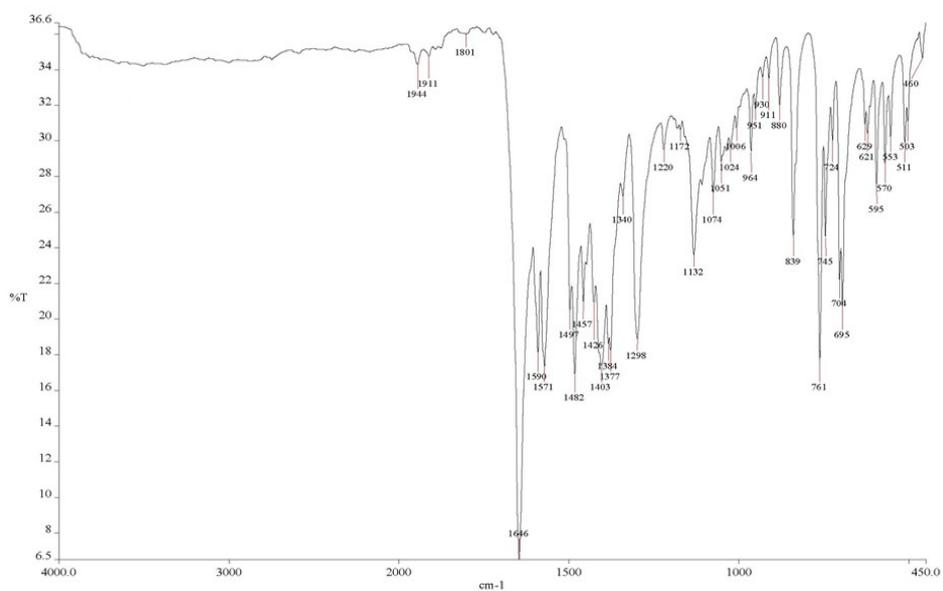
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AT-16-1/lqra /Dr. Majid/CDCl<sub>3</sub>



## FT-IR

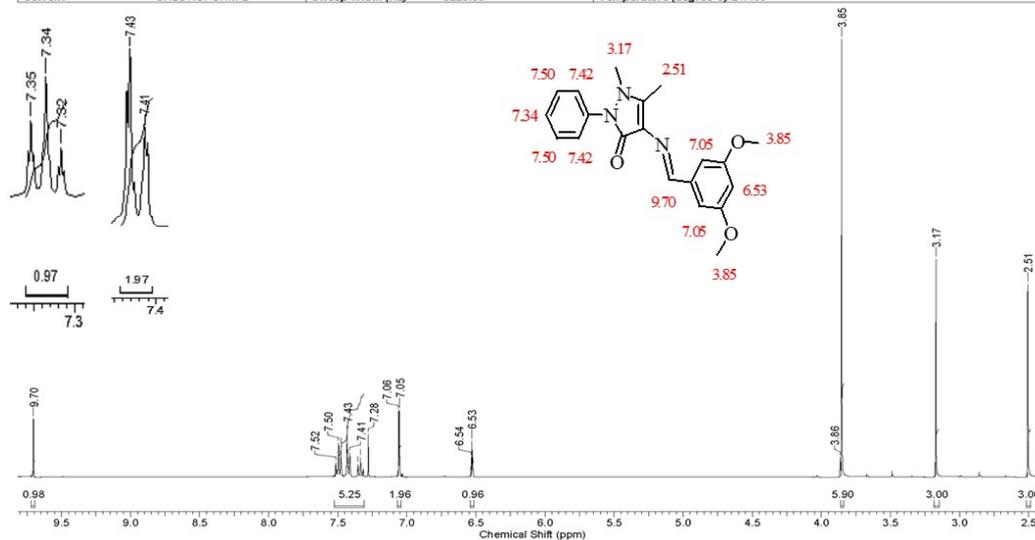


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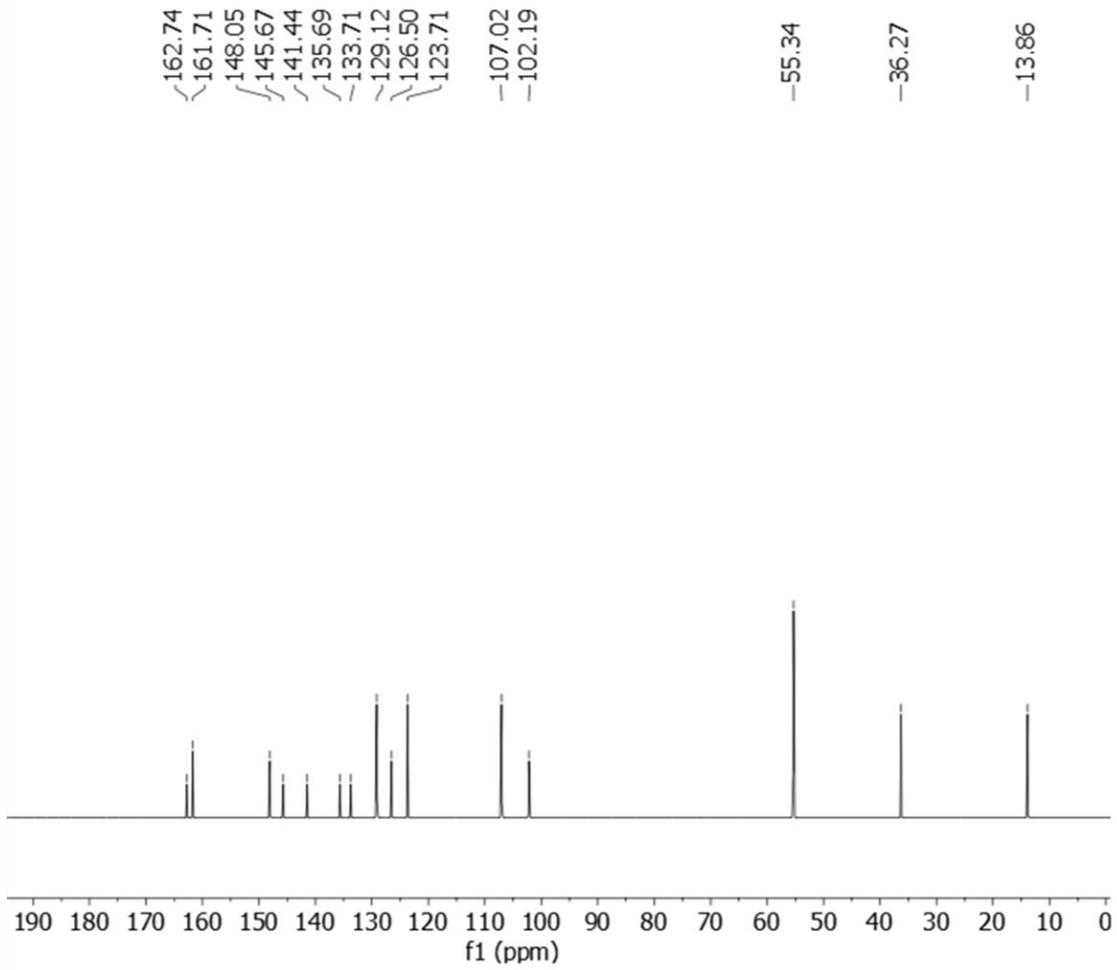
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19 Jun 2017

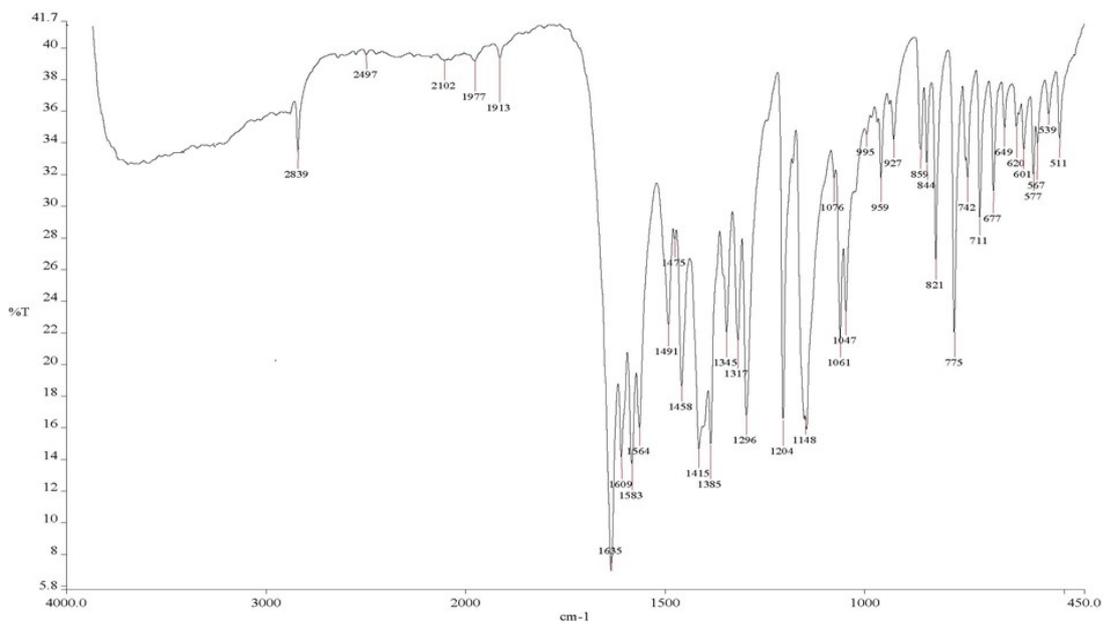
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IK-171/Iqra /Dr. Majid/CDCl<sub>3</sub>



## FT-IR

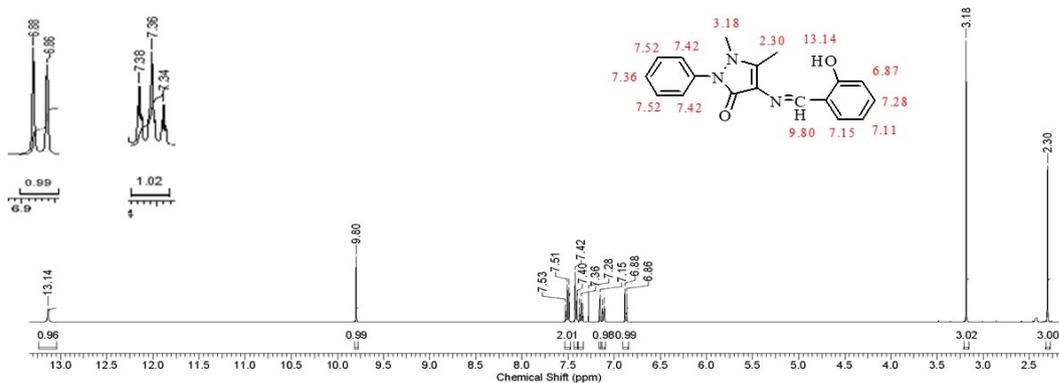


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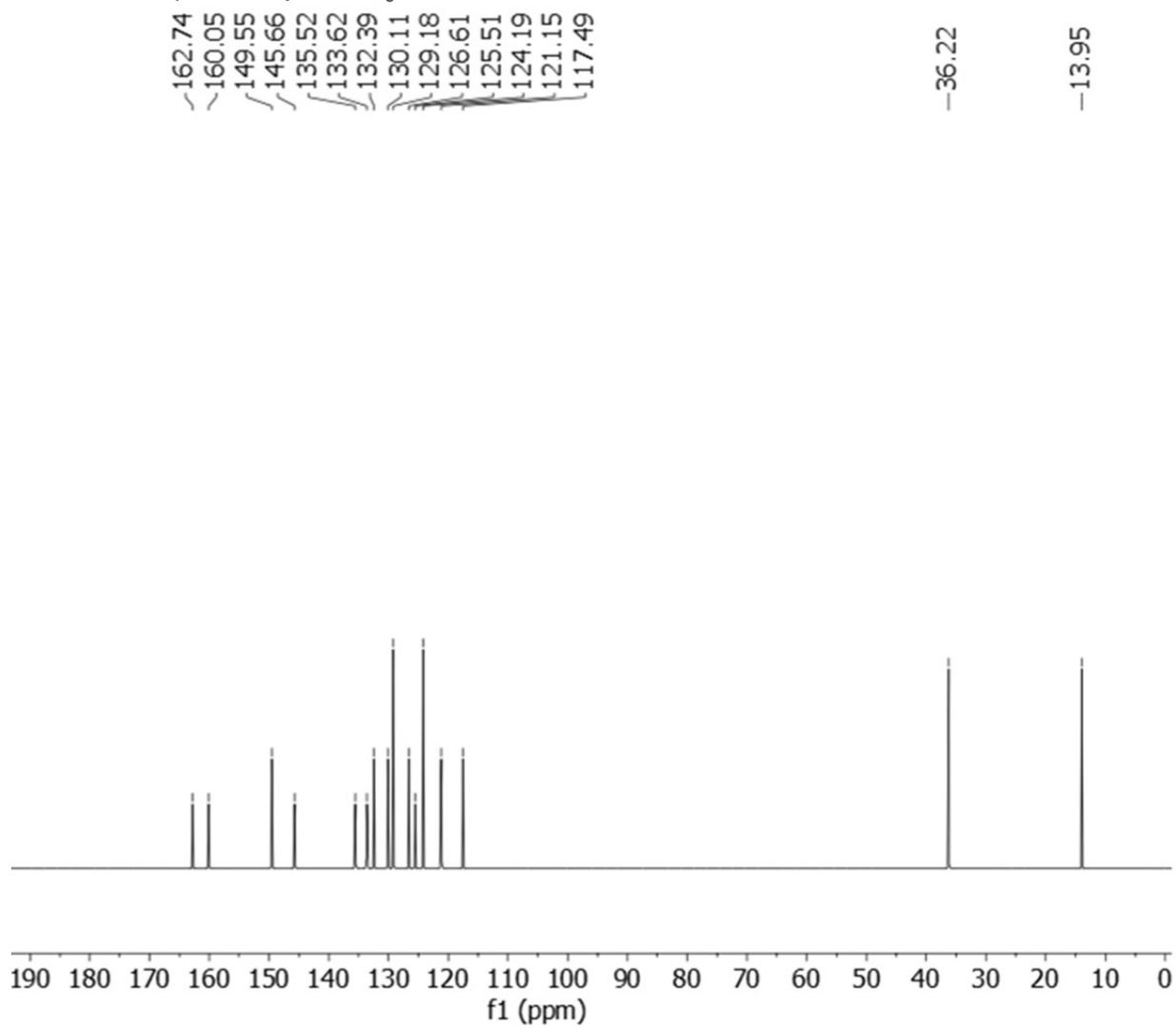
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3 Jul 2017

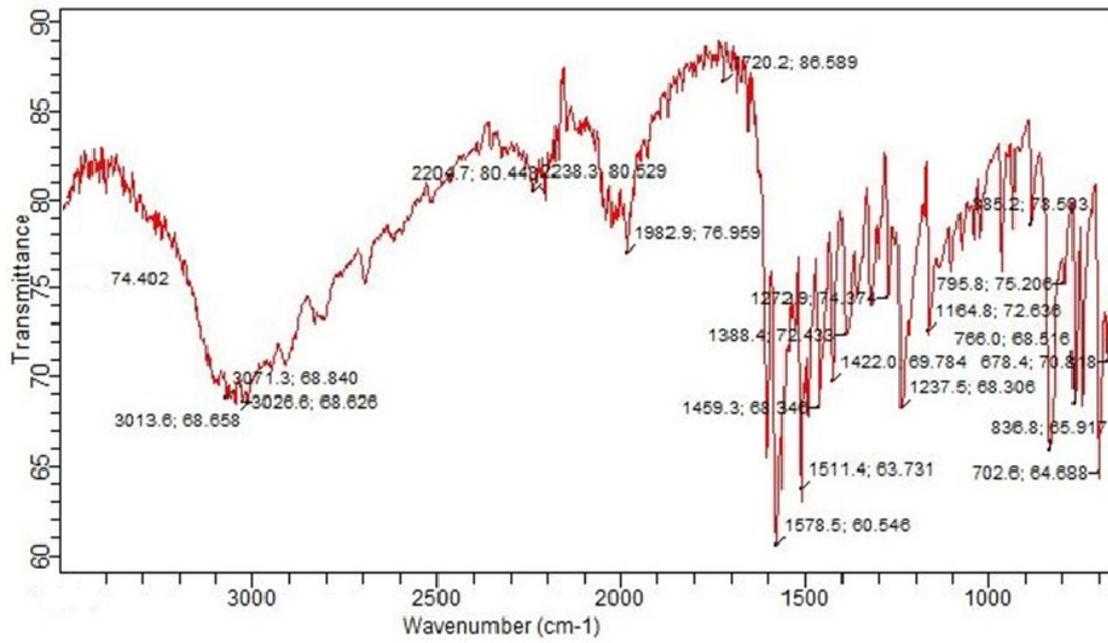
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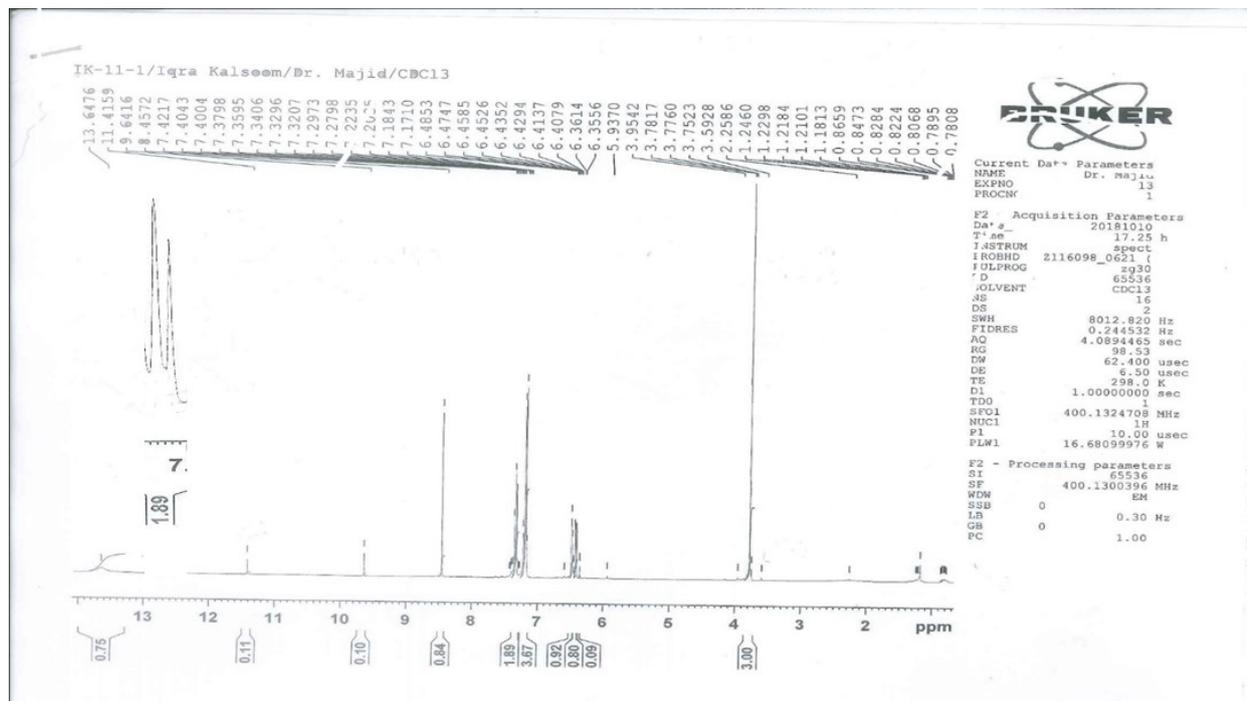
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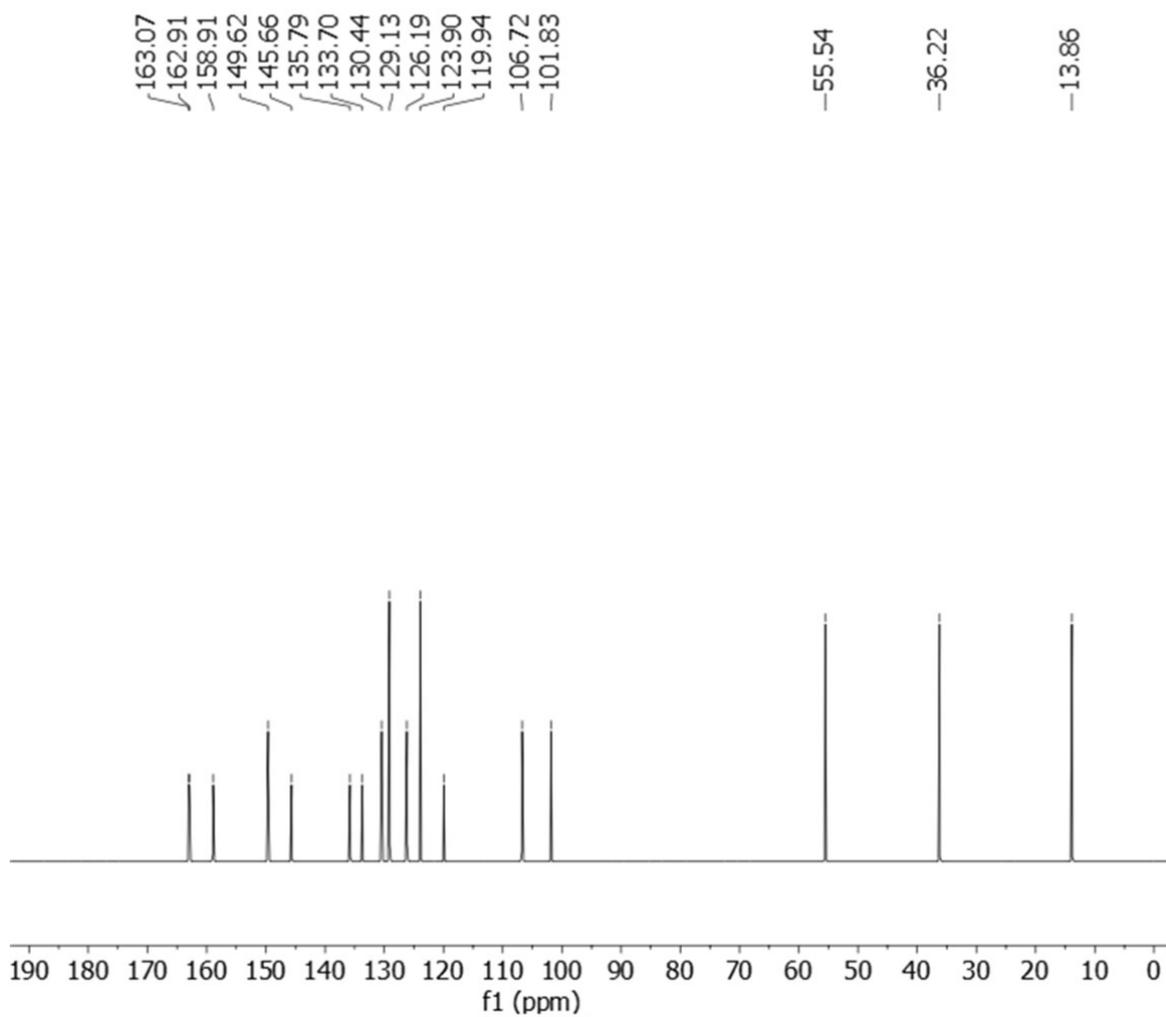
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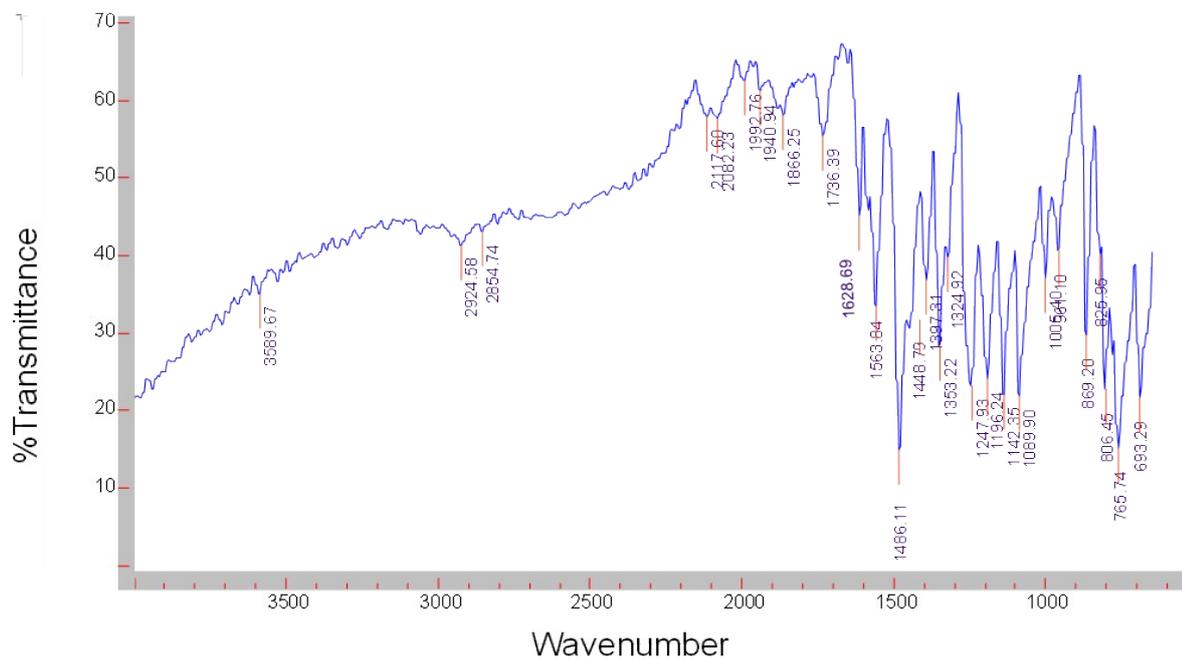
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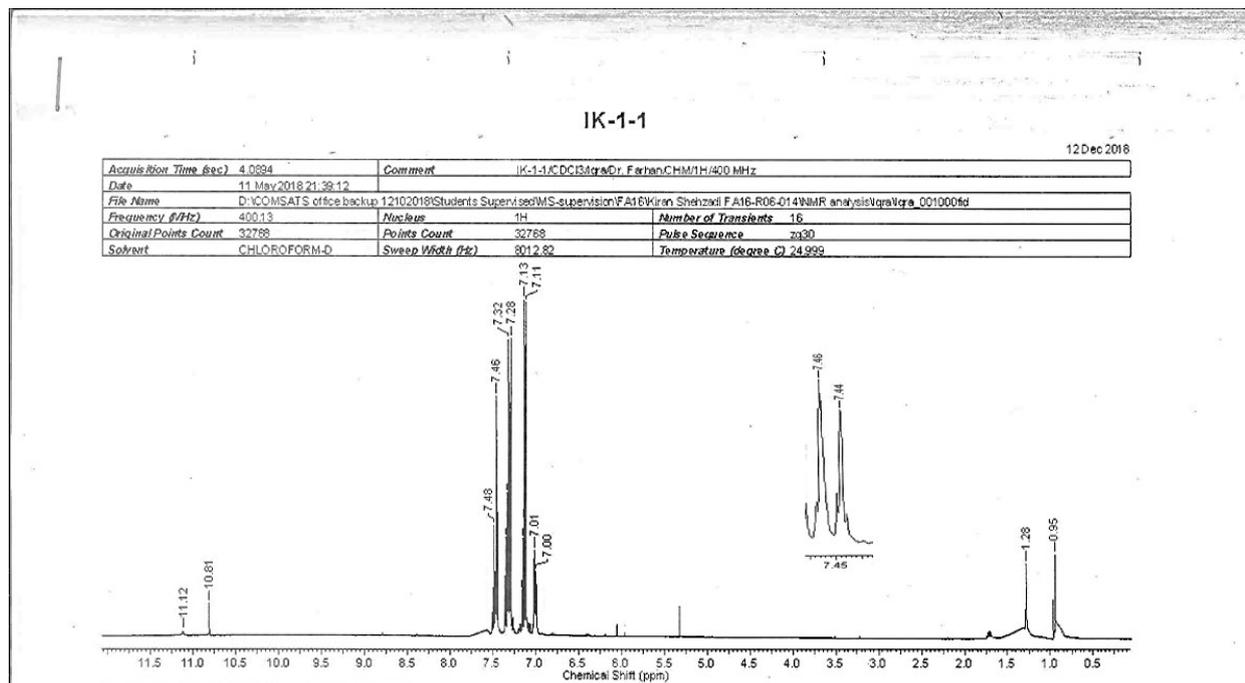
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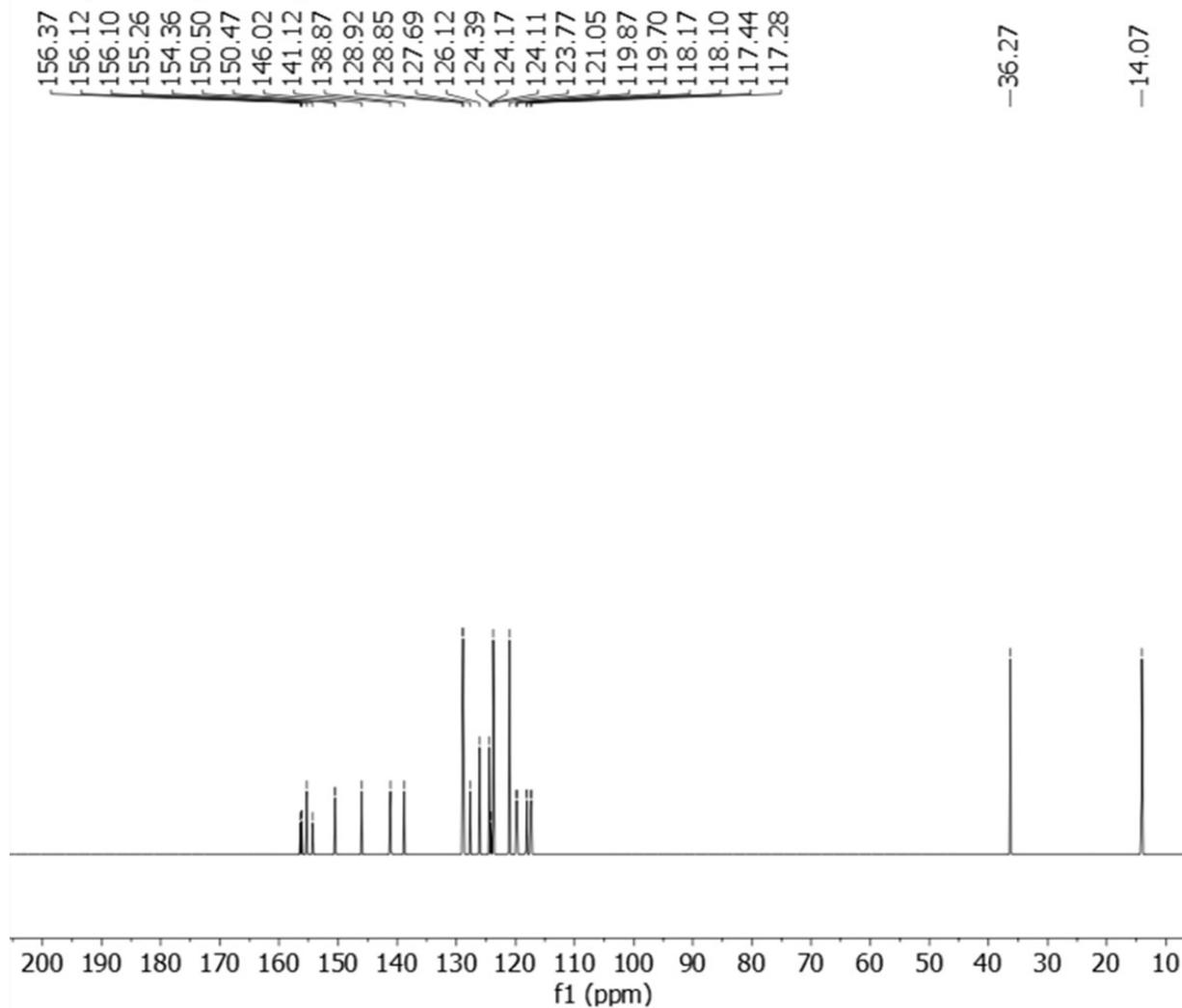
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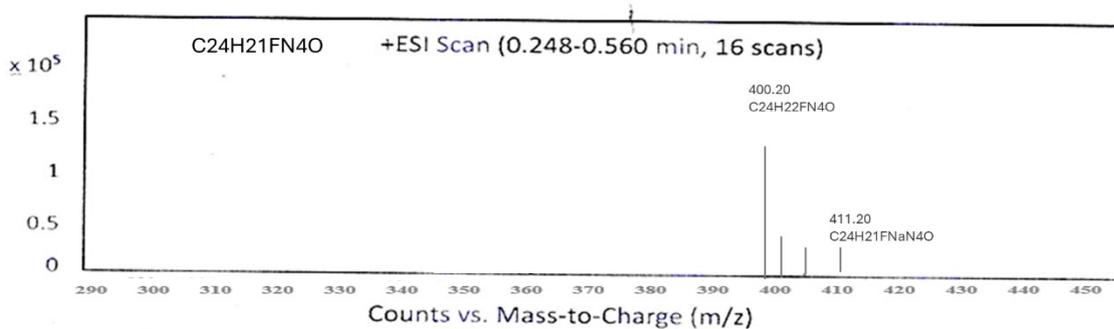
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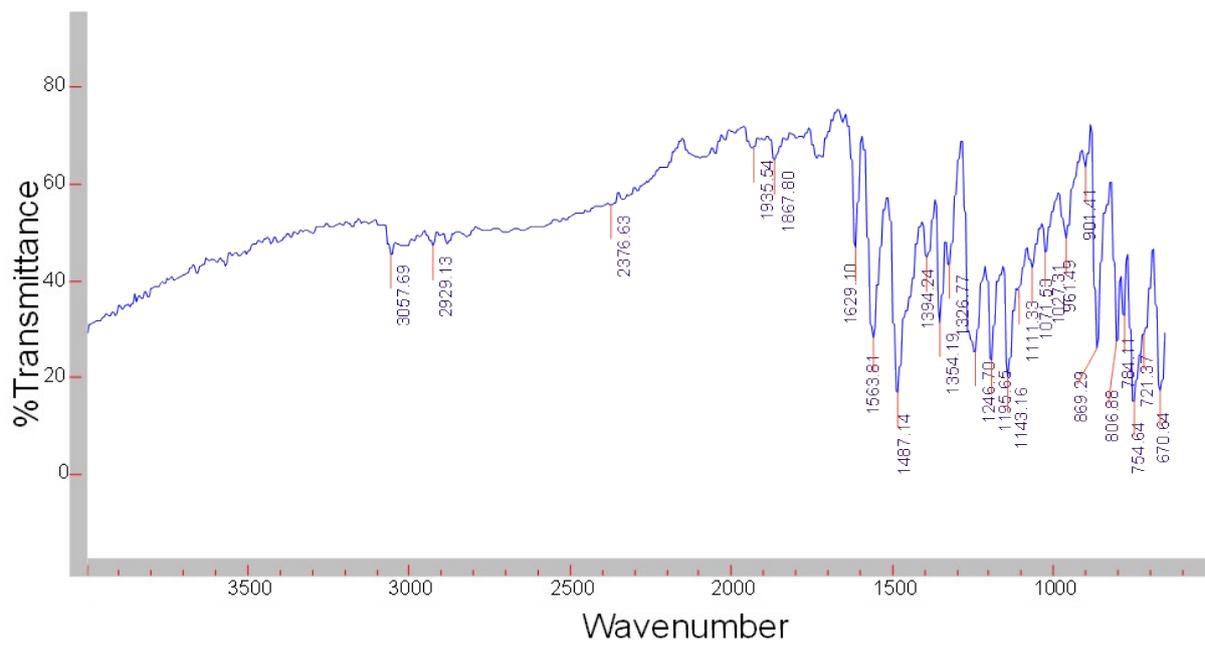
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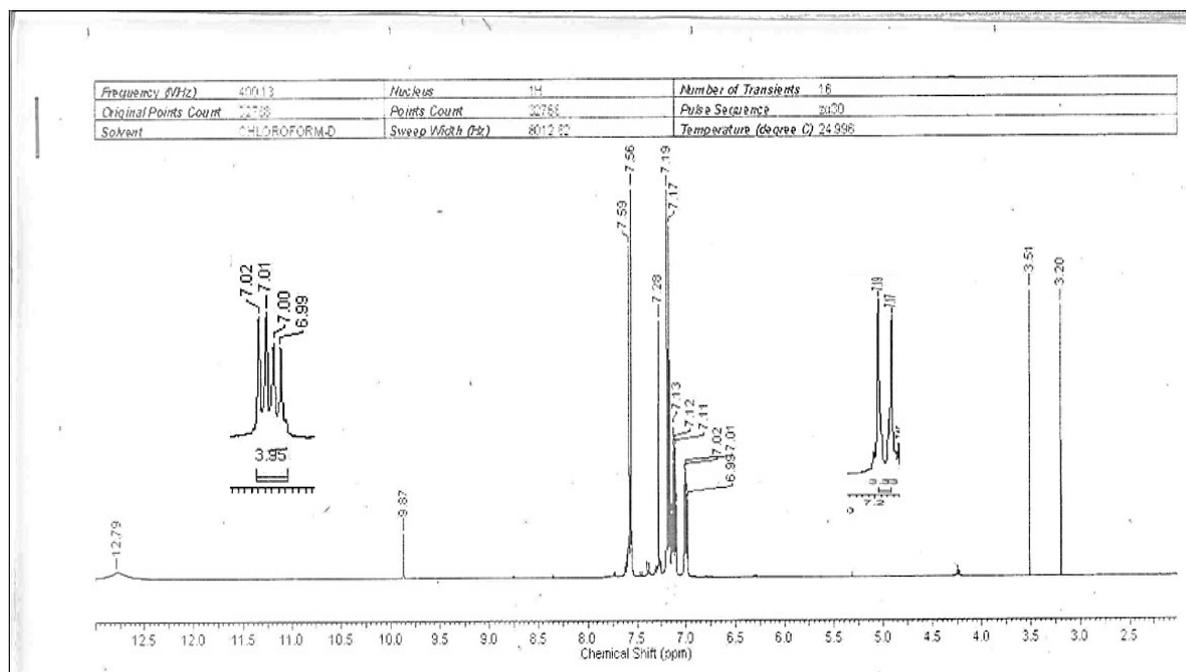
## Mass Spectrum



# FT-IR



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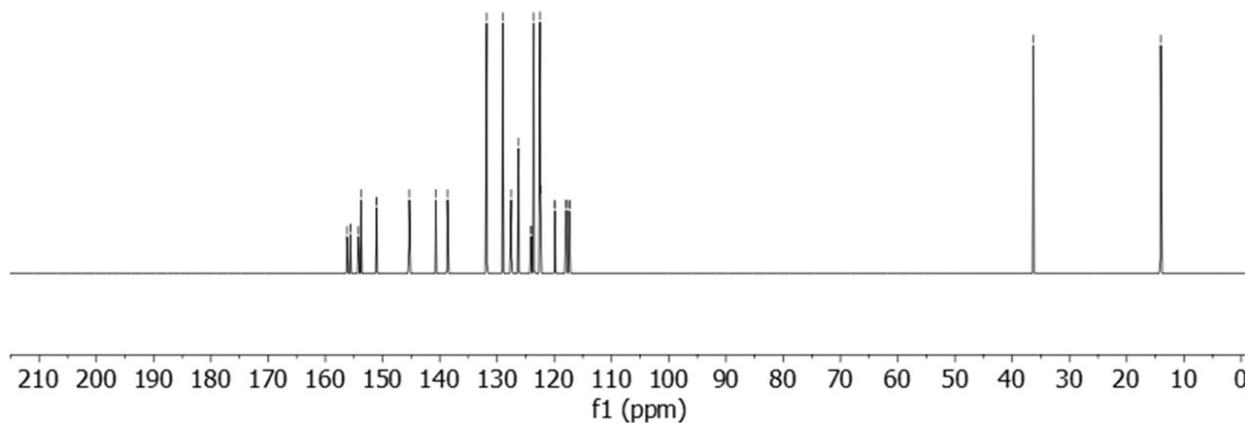


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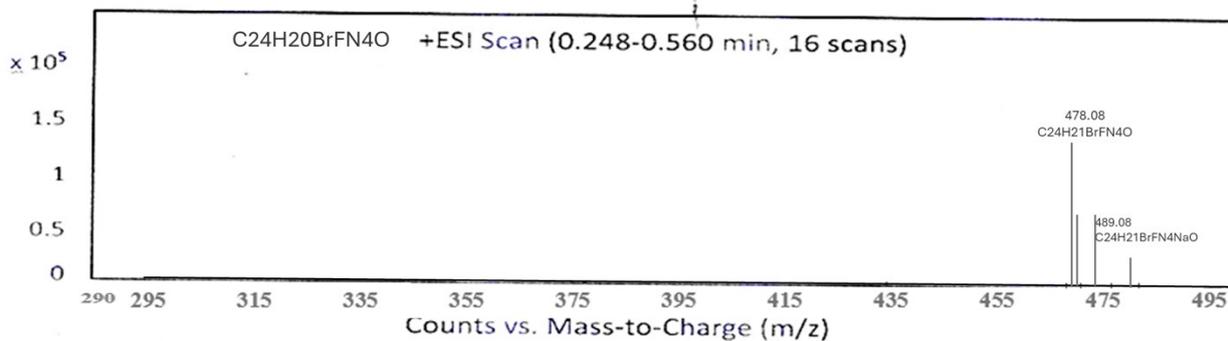
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124.08  
124.01  
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-36.30

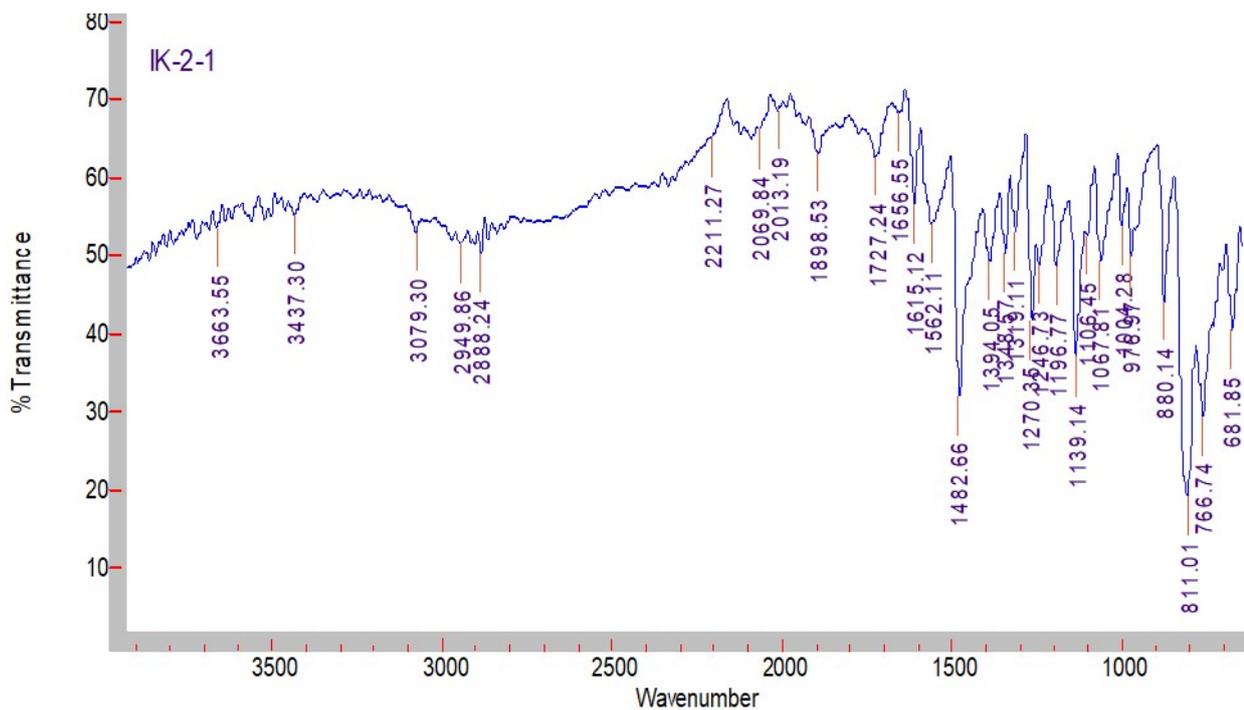
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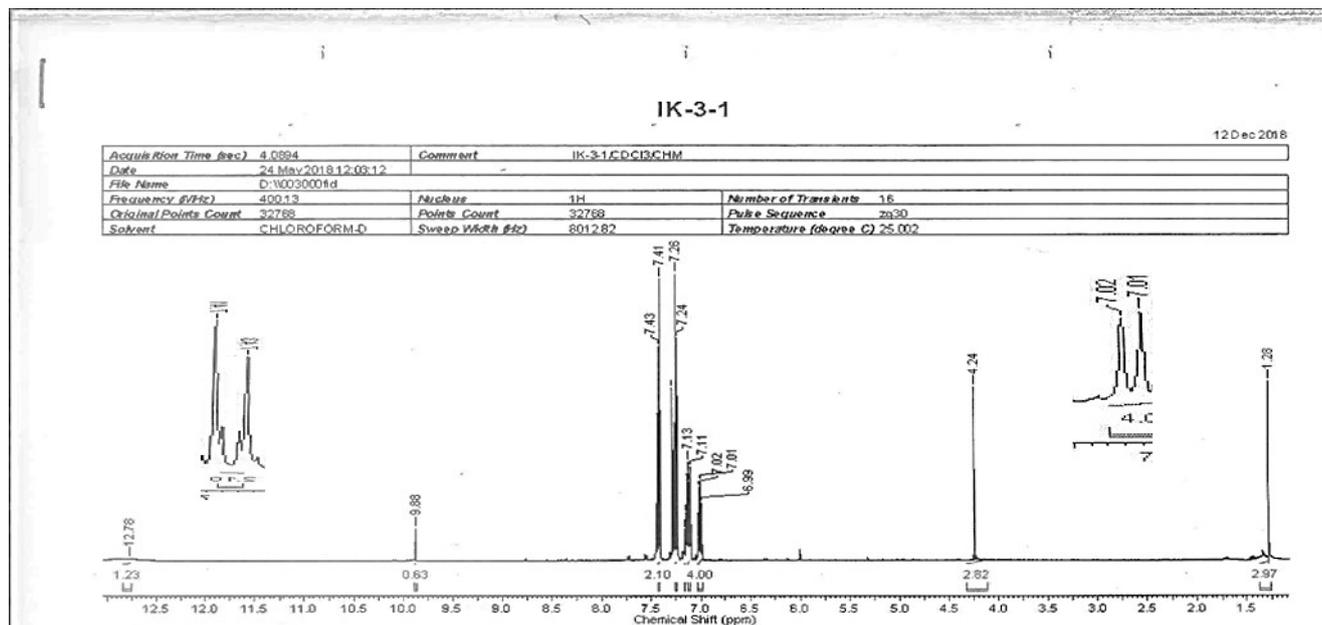
# Mass Spectrum



# FT-IR



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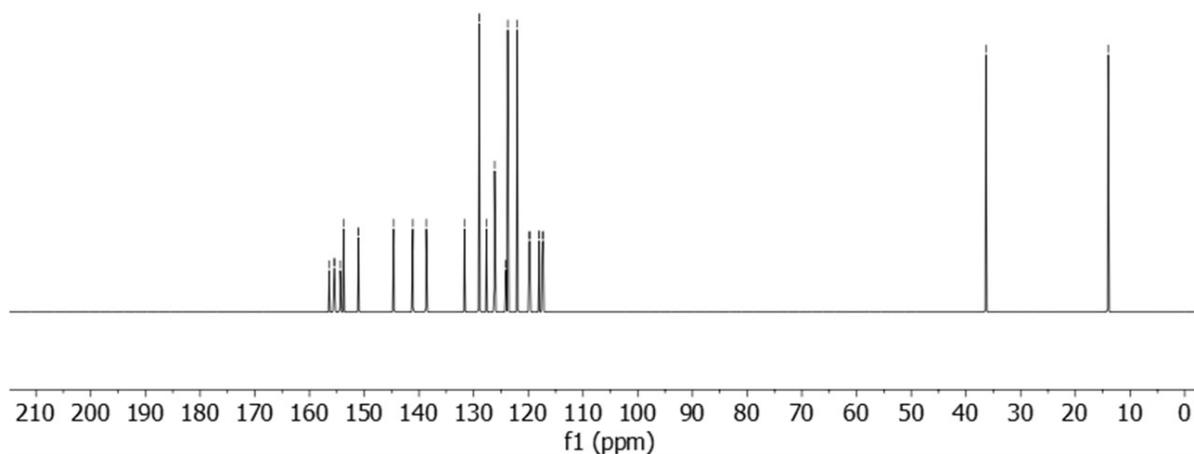


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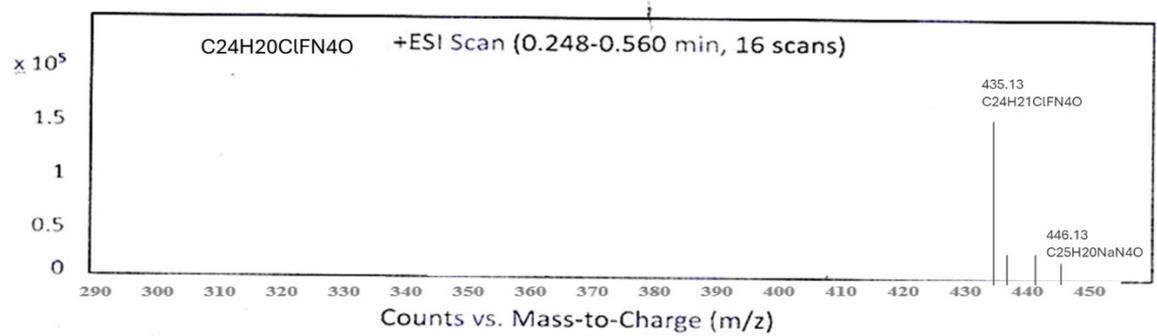
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127.66  
126.17  
124.11  
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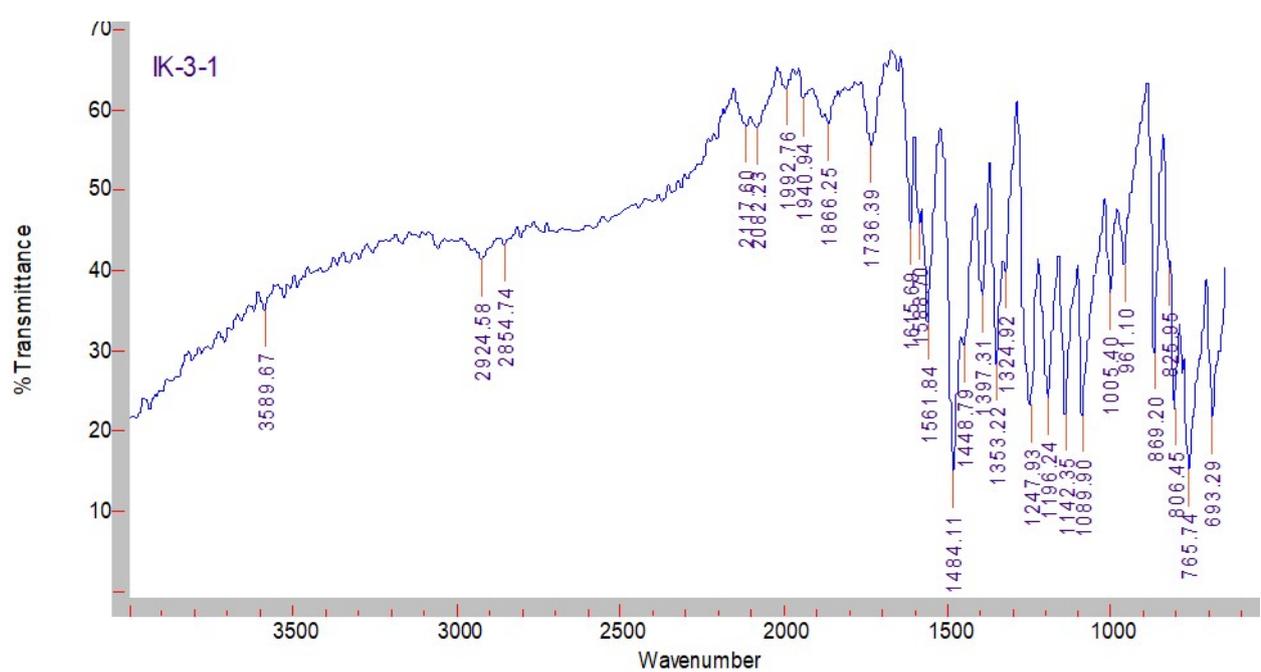
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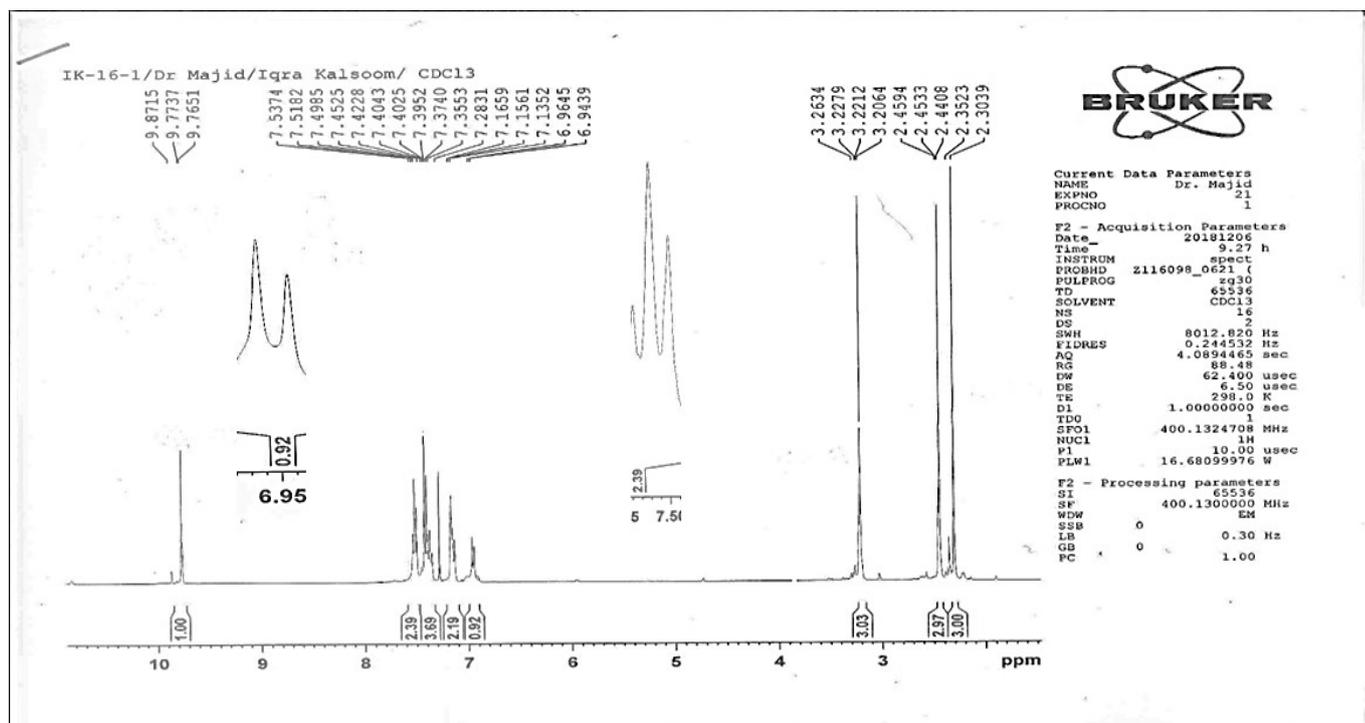
# Mass Spectrum



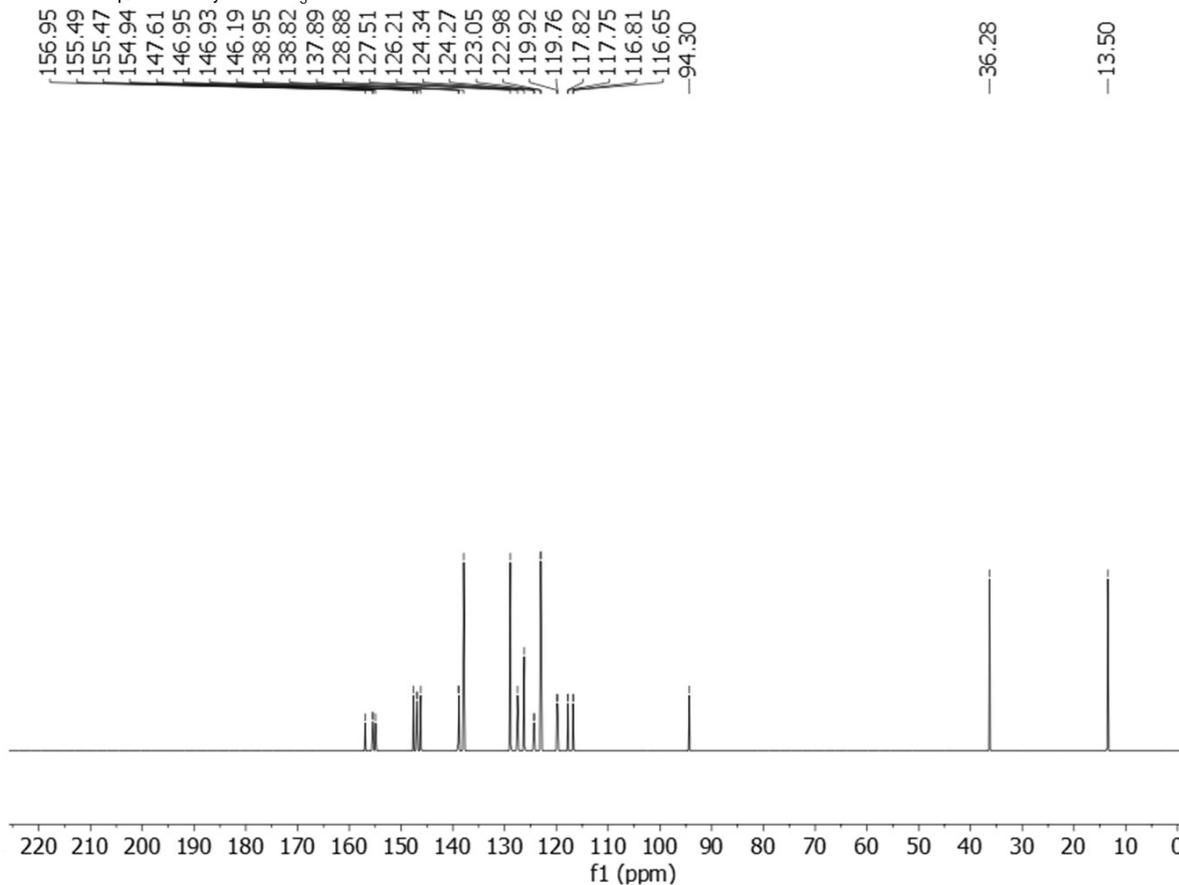
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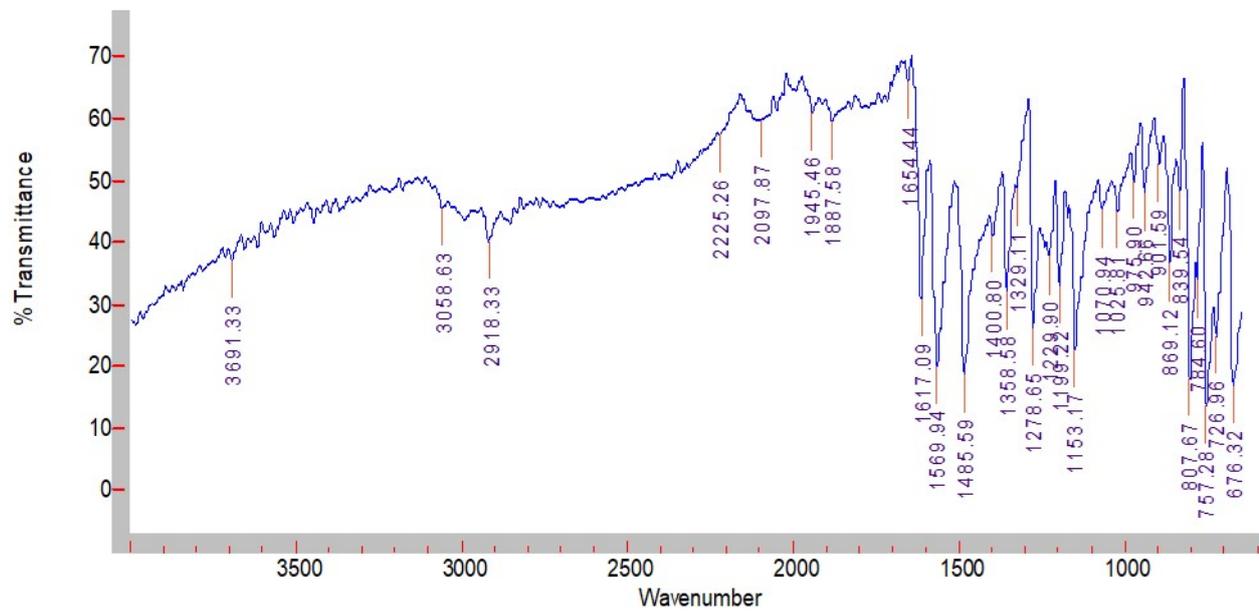
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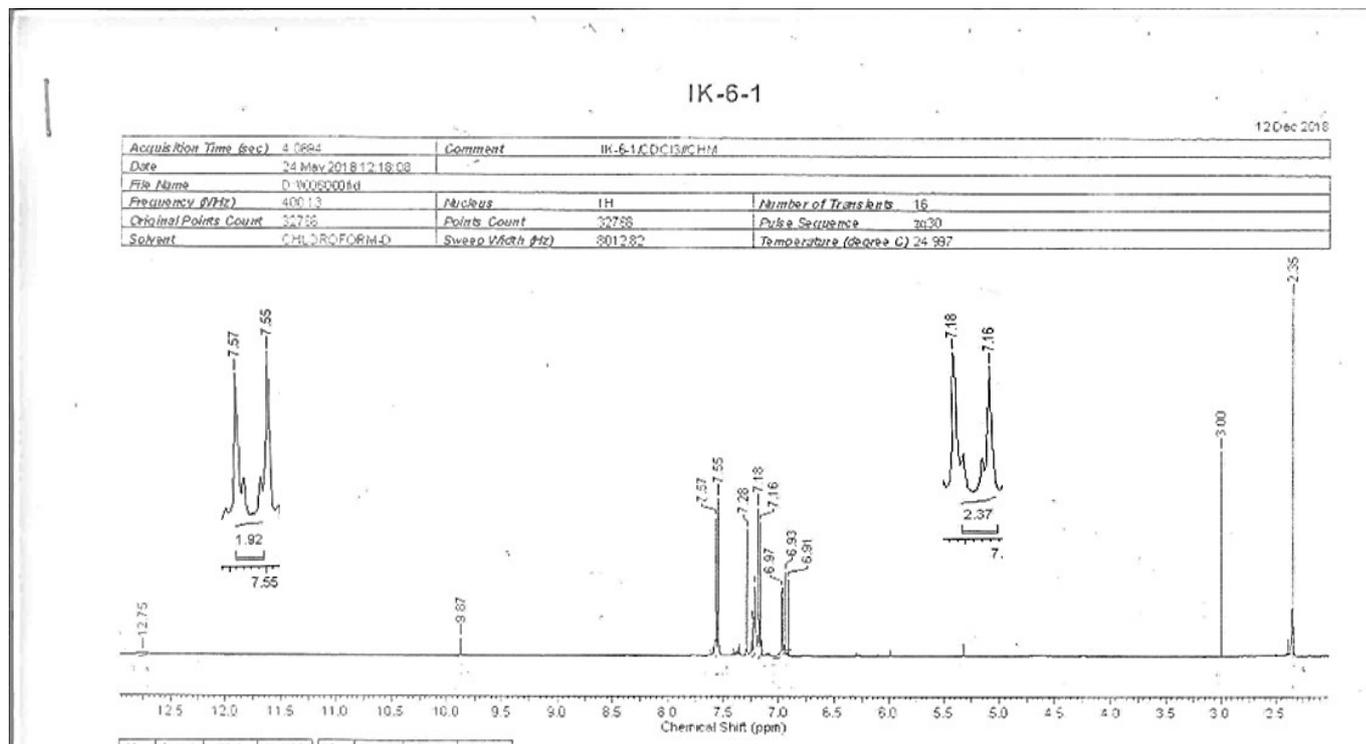
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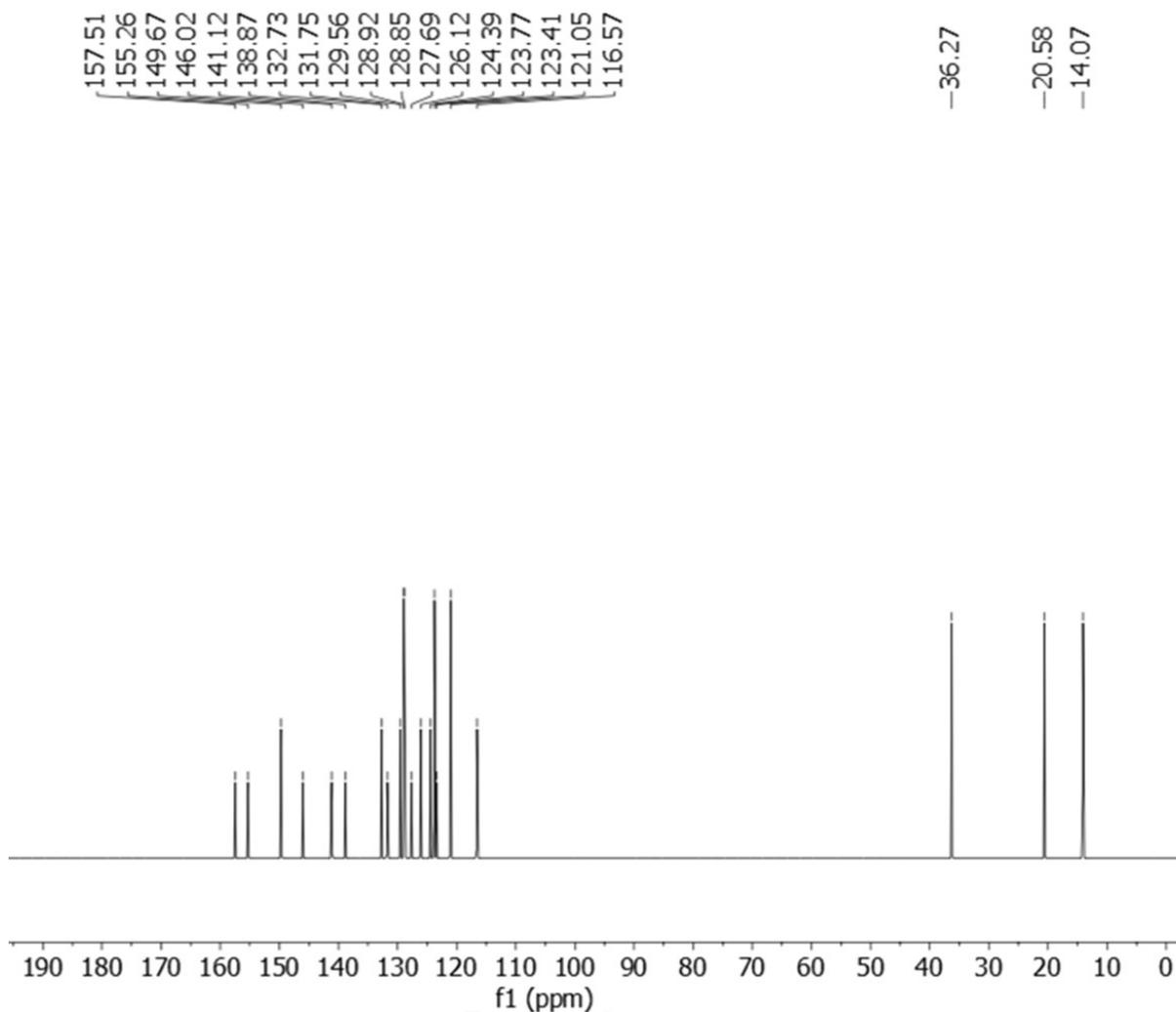
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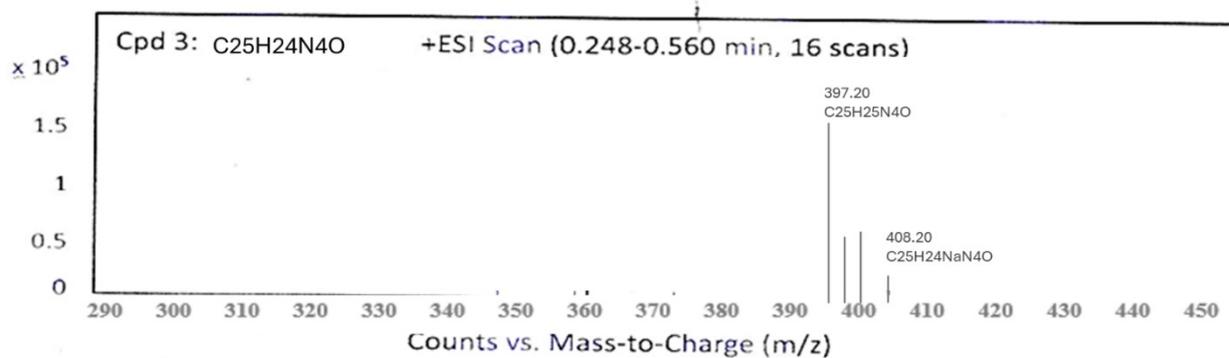
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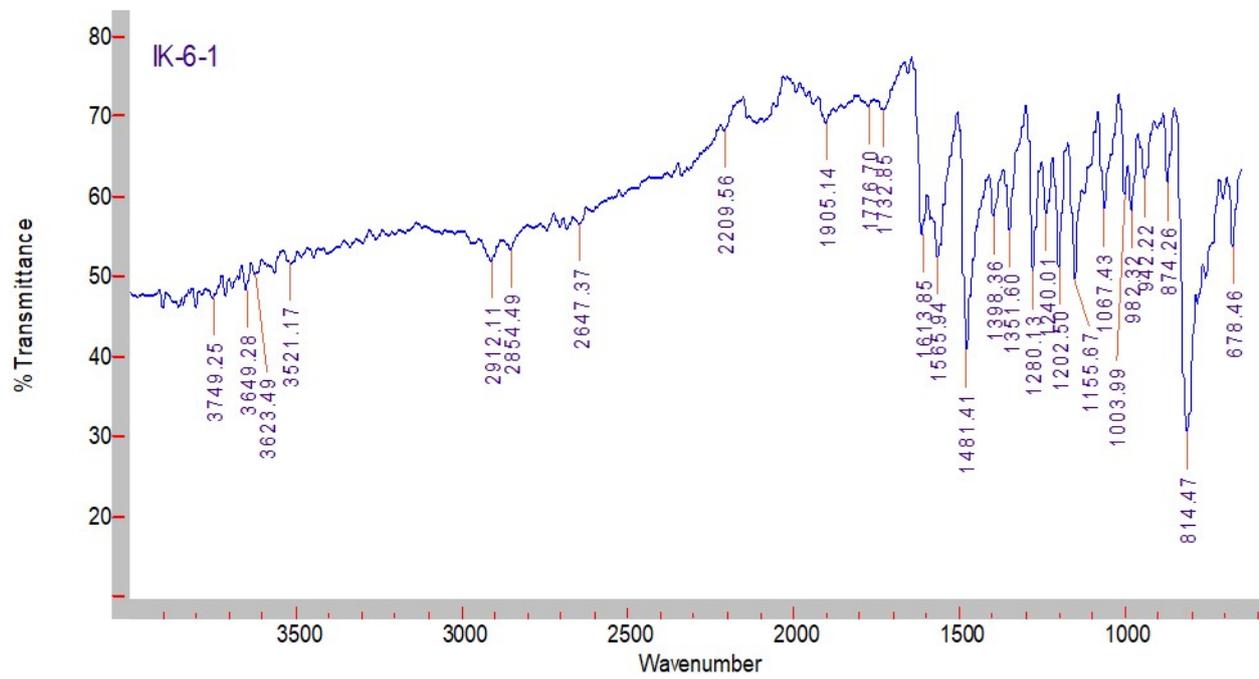
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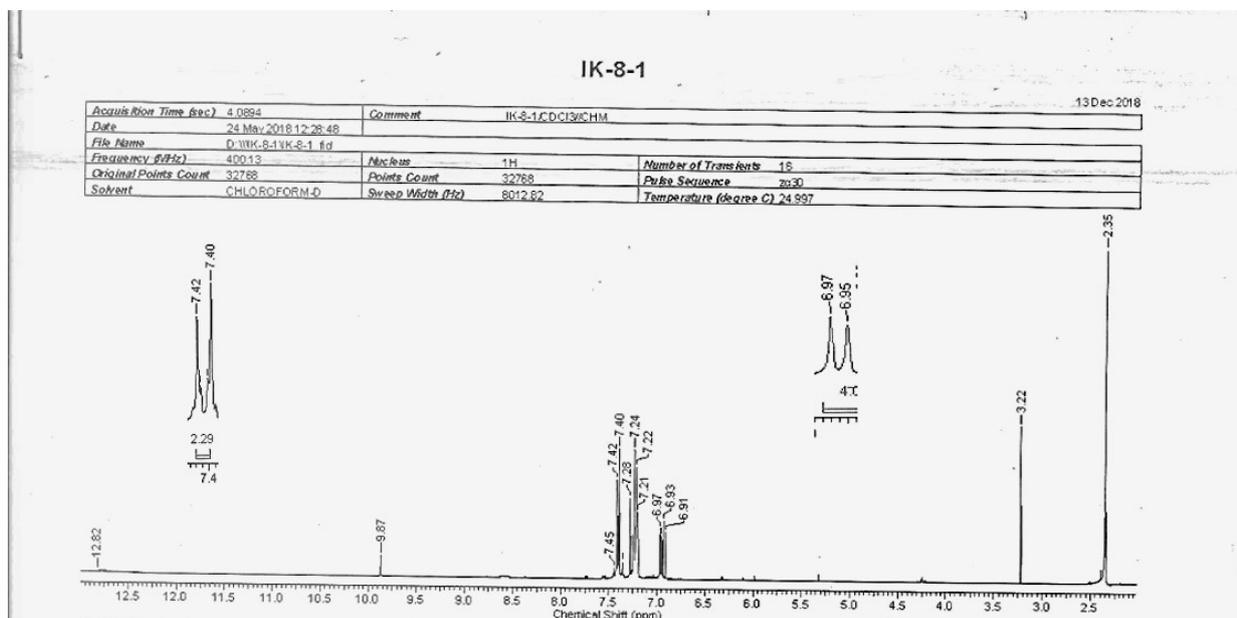
## Mass Spectrum



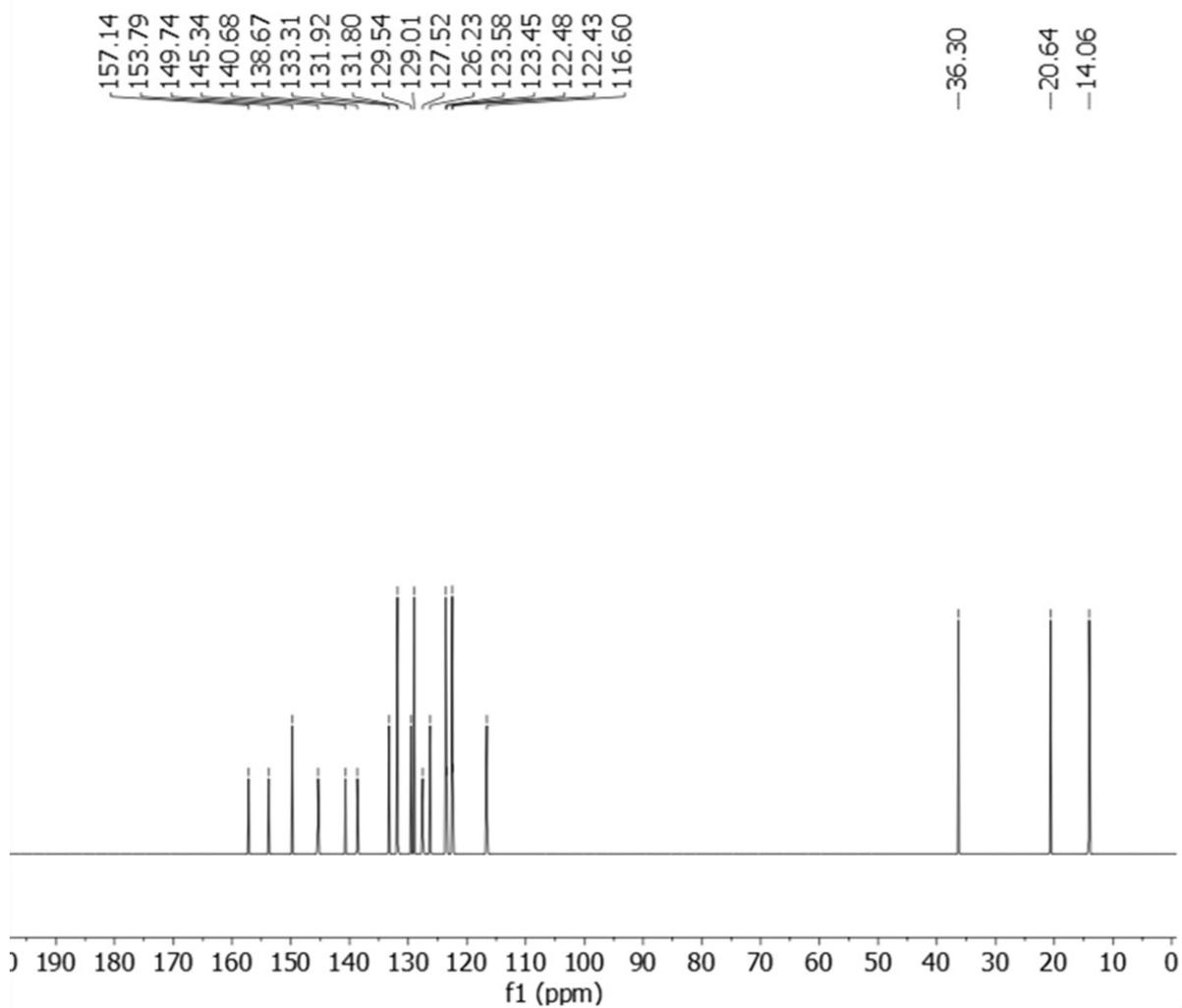
# FT-IR



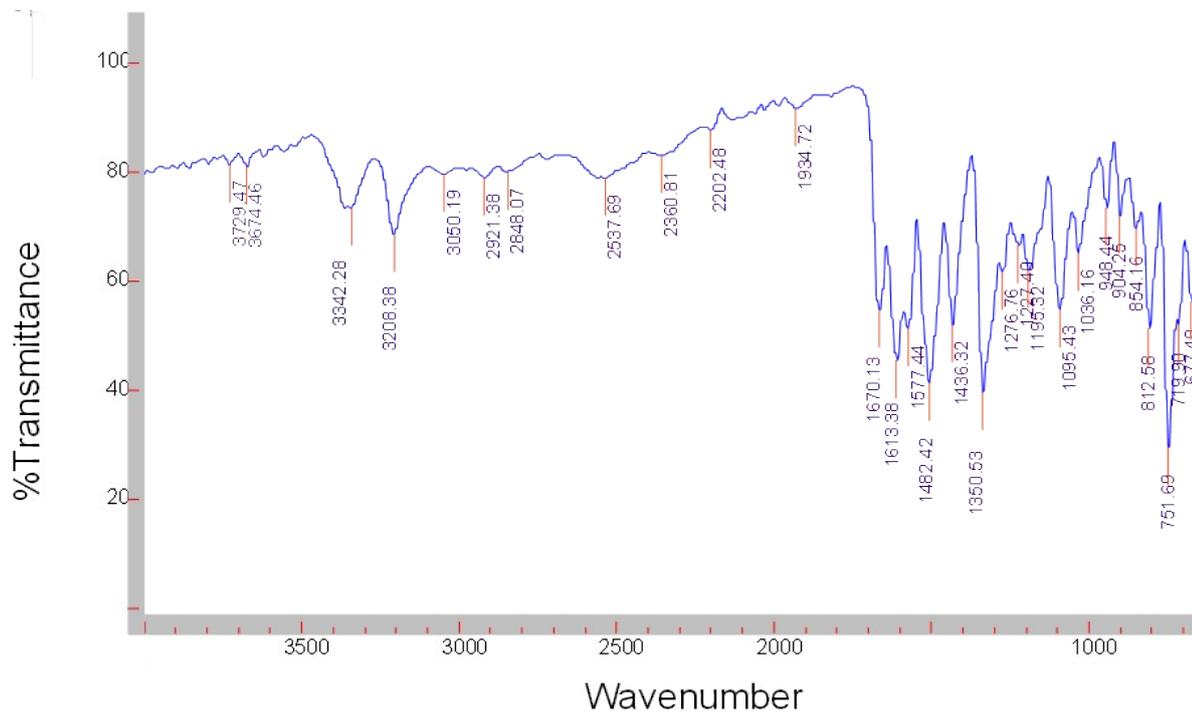
# Compound 16 (NMR)



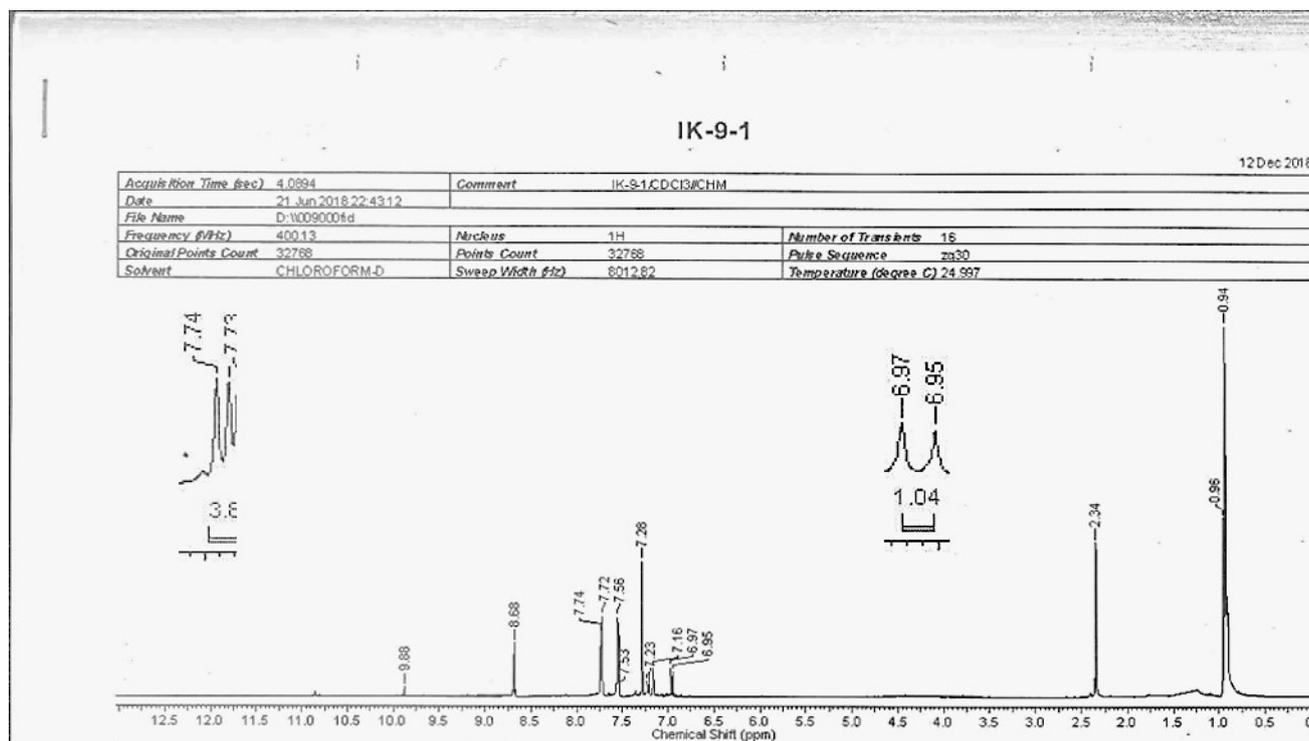
IK-8-1/Iqra /Dr. Majid/CDCl<sub>3</sub>



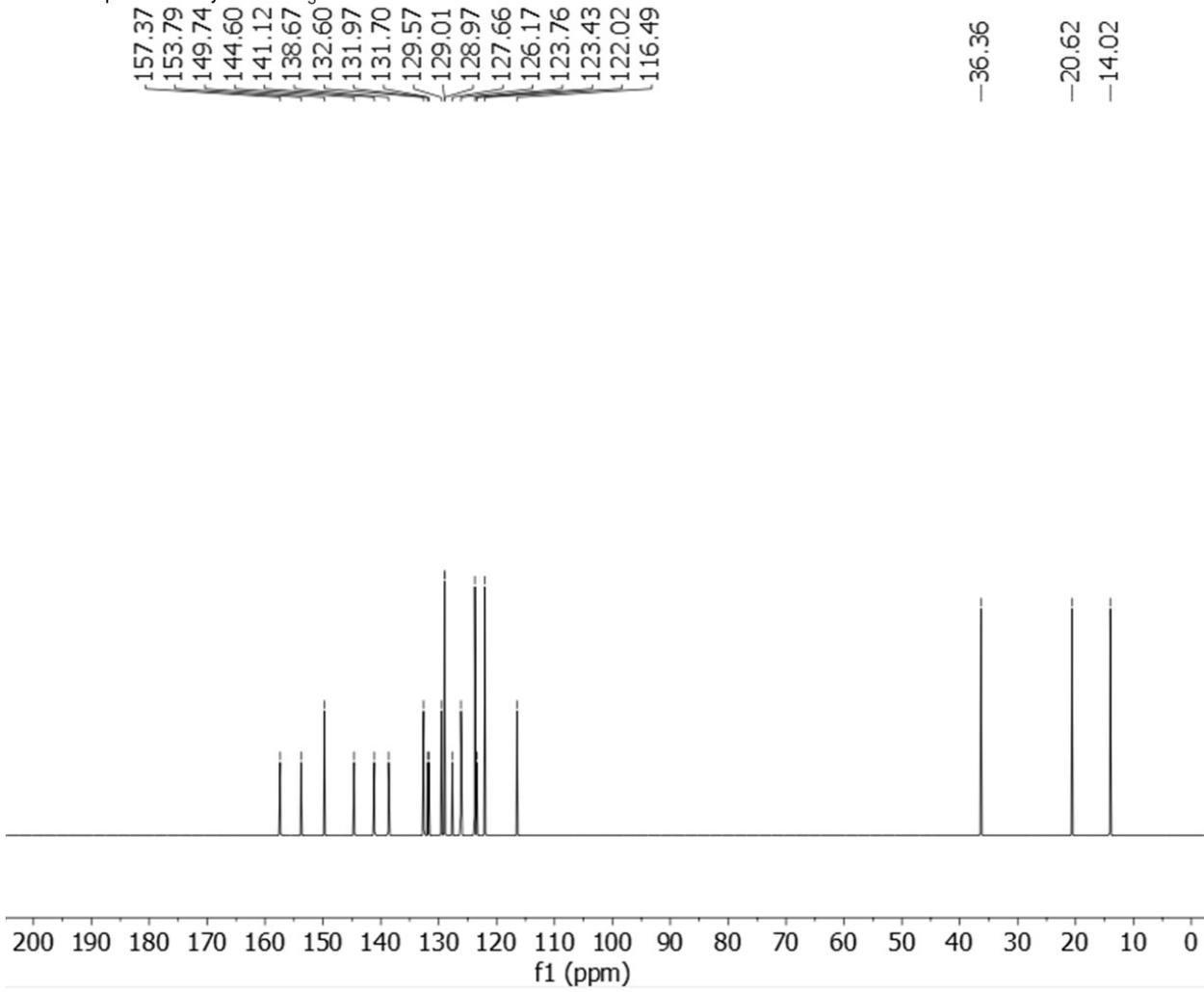
# FT-IR



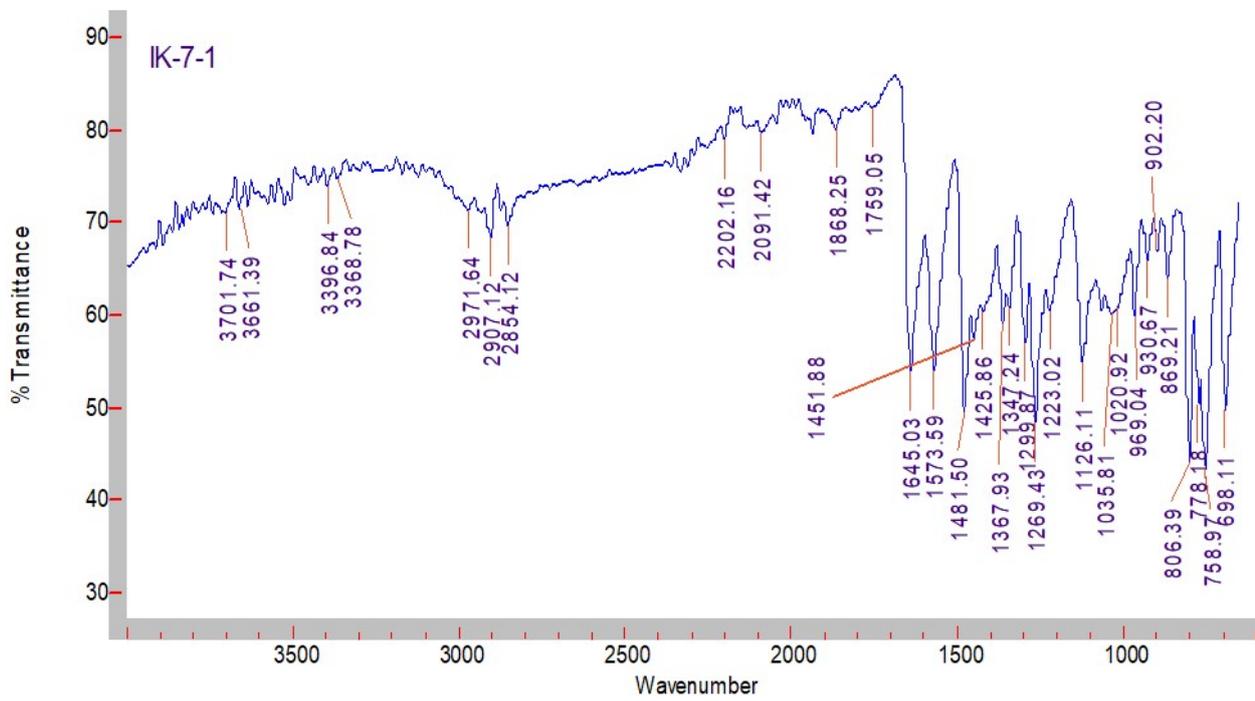
# Compound 17 (NMR)



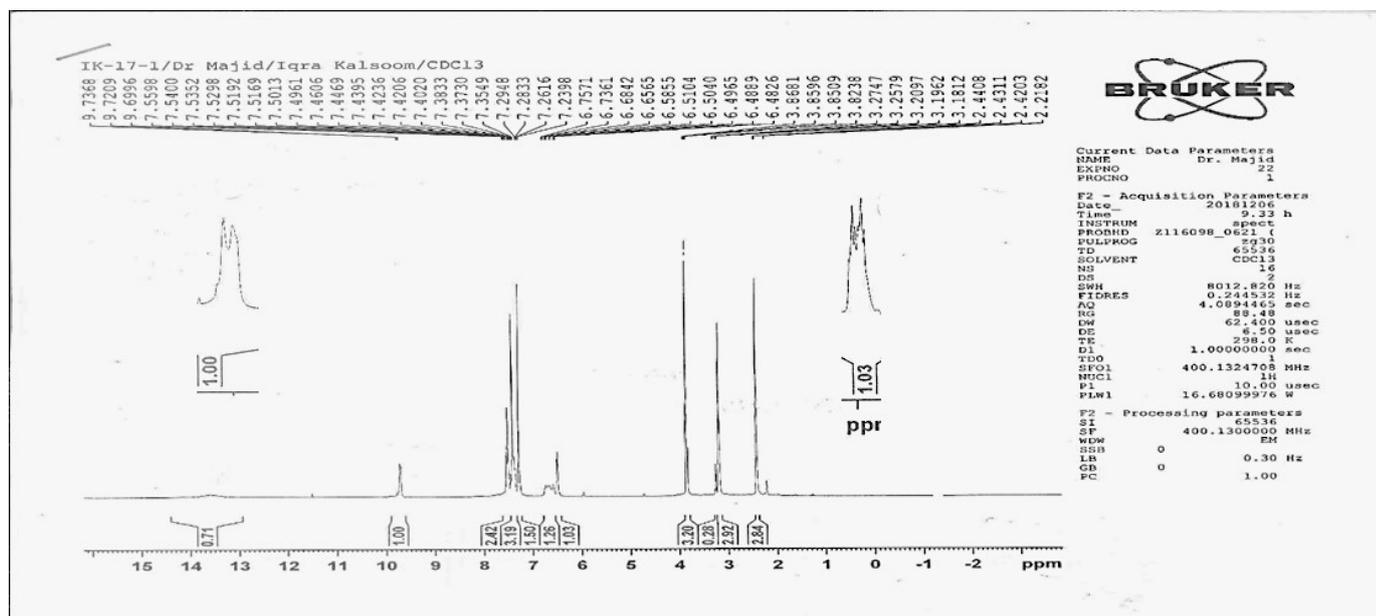
.IK-9-1/Iqra /Dr. Majid/CDCL<sub>3</sub>



# FT-IR



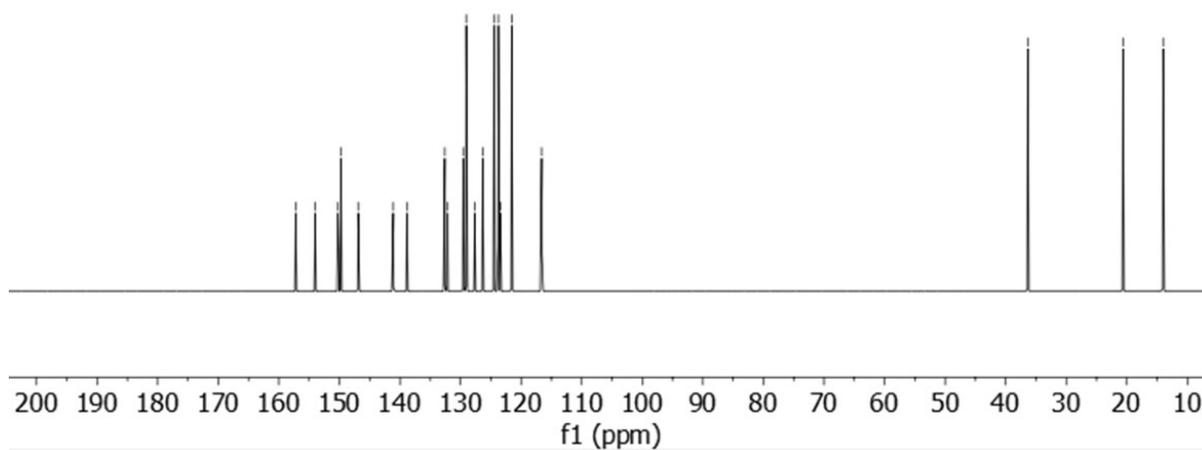
# Compound 18 (NMR)



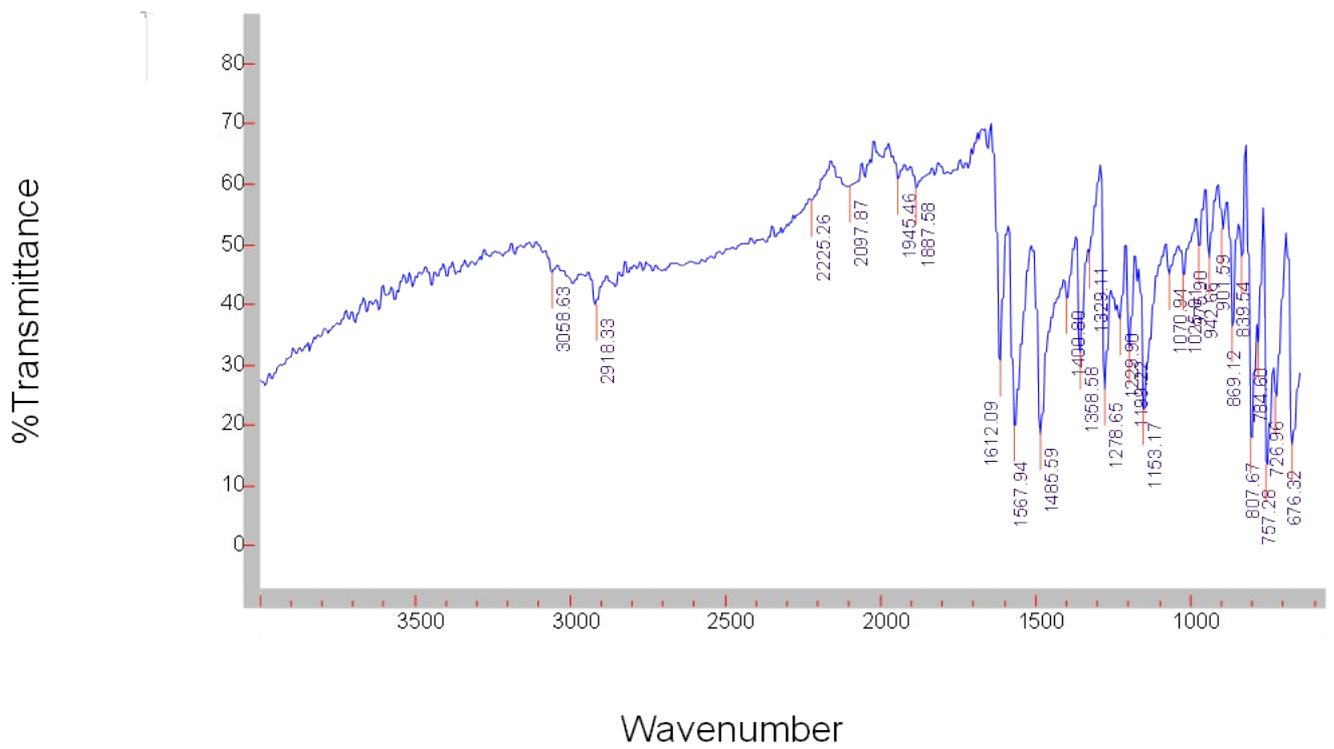
IK-17-1/Iqra /Dr. Majid/CDCl<sub>3</sub>

157.22  
 153.99  
 150.25  
 149.74  
 146.90  
 141.12  
 138.87  
 132.60  
 132.15  
 129.57  
 129.07  
 127.66  
 126.35  
 124.48  
 123.77  
 123.43  
 121.56  
 116.60

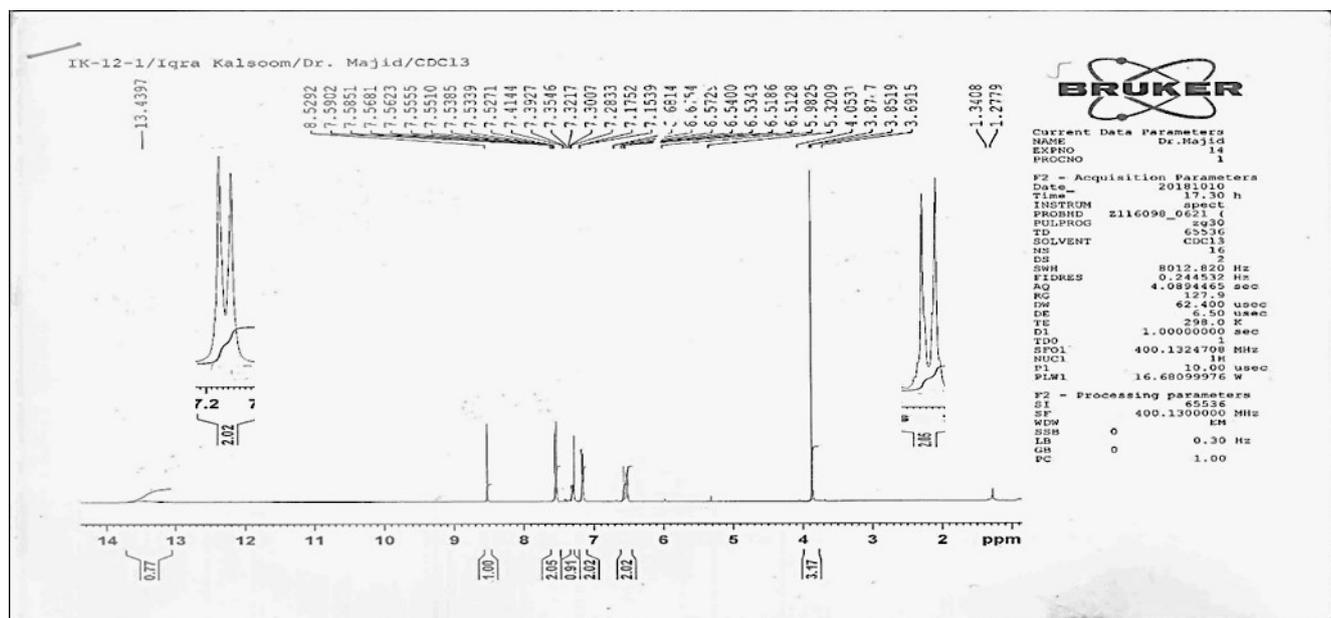
-36.36  
 -20.64  
 -14.02



# FT-IR



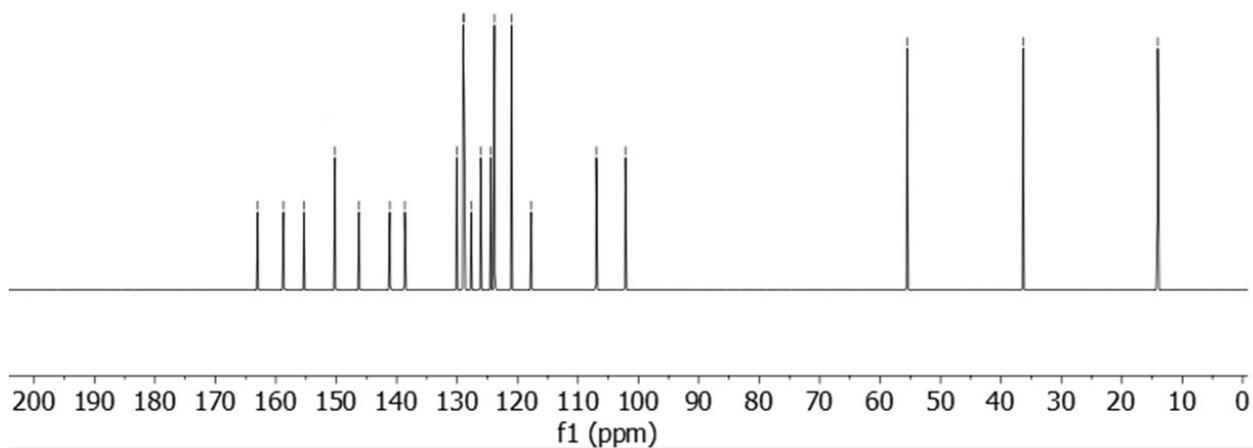
# Compound 19 (NMR)



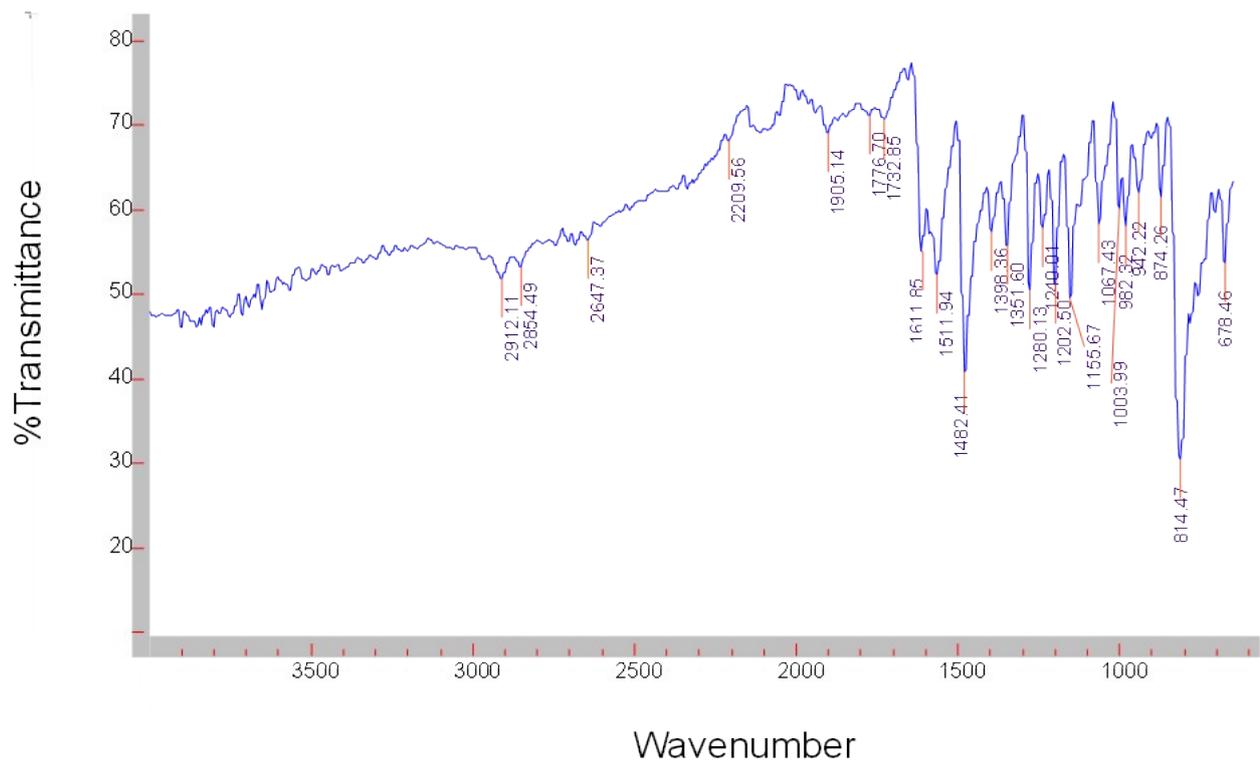
IK-12/Iqra /Dr. Majid/CDCl<sub>3</sub>

162.98  
 158.70  
 155.34  
 150.20  
 146.21  
 141.12  
 138.67  
 130.09  
 129.01  
 128.85  
 127.70  
 126.12  
 124.39  
 123.81  
 121.00  
 117.71  
 106.98  
 102.17

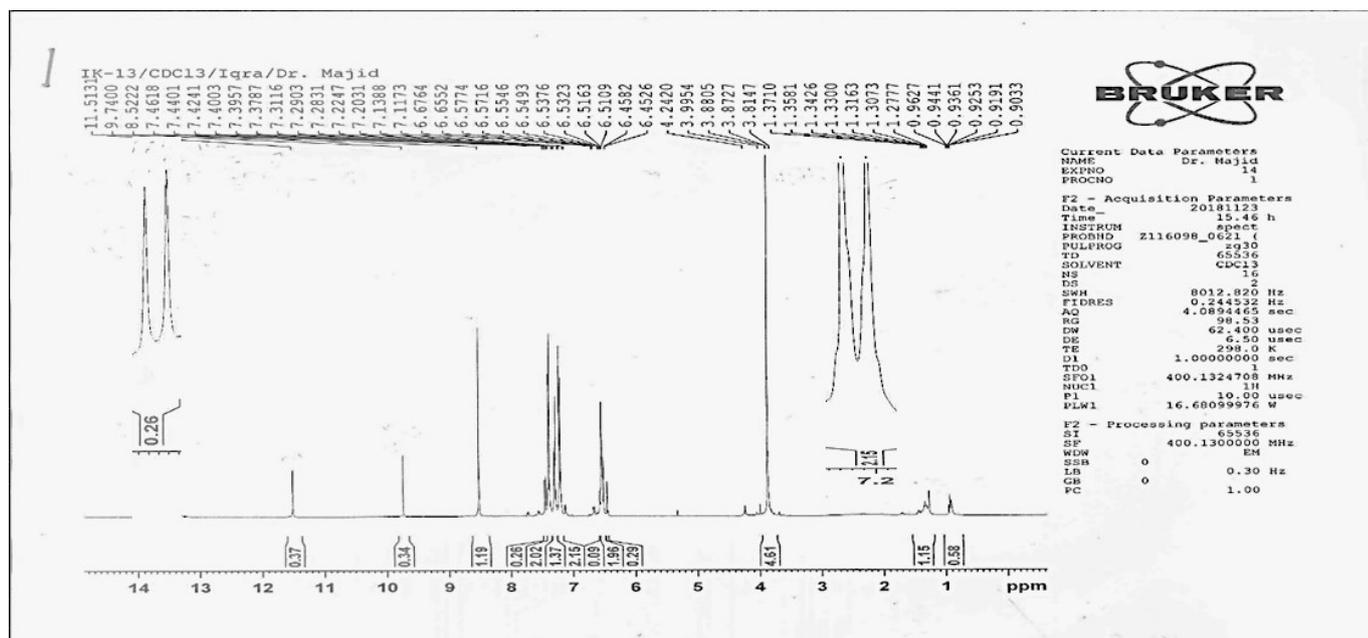
—55.54  
 —36.36  
 —14.07



# FT-IR

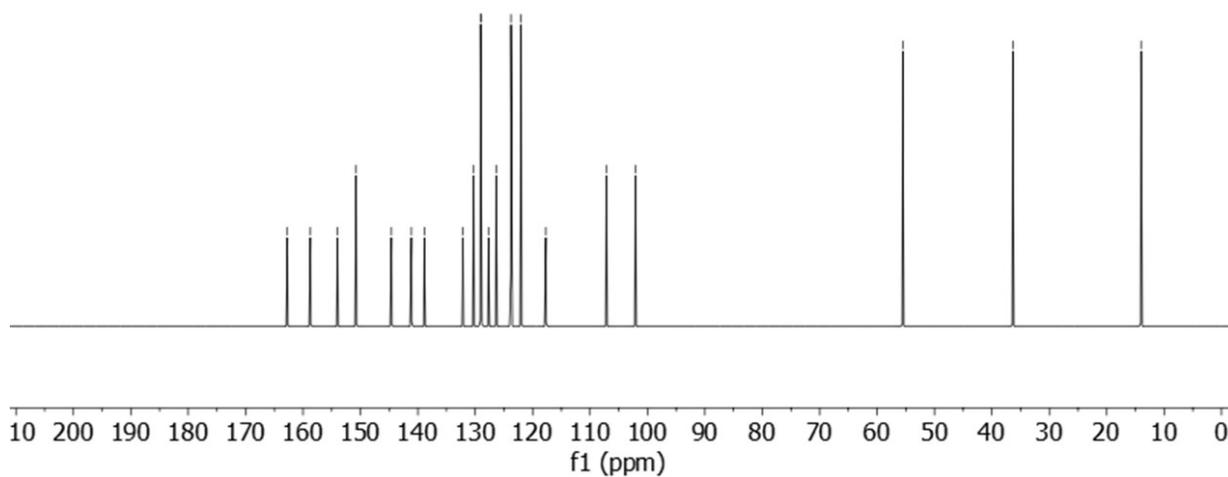


# Compound 20 (NMR)



1K-13/Iqra /Dr. Majid/CDCl<sub>3</sub>

162.72, 158.71, 153.99, 150.75, 144.60, 141.12, 138.87, 132.14, 130.28, 129.07, 128.92, 127.70, 126.35, 123.77, 122.02, 117.69, 107.15, 102.08, 55.53, 36.36, 14.02



# FT-IR

