

Supporting Information

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Anticancer and Alkaline Phosphatase Inhibitory Effects of Compounds Isolated from the Leaves of *Olea ferruginea* Royle

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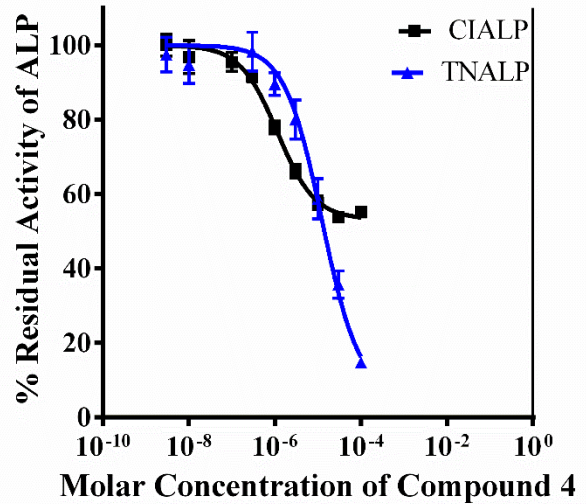
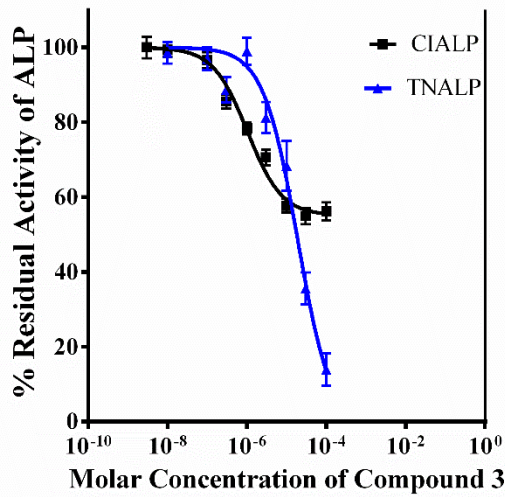
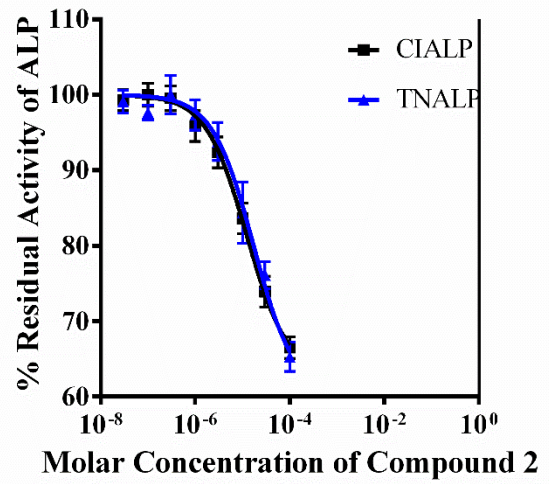
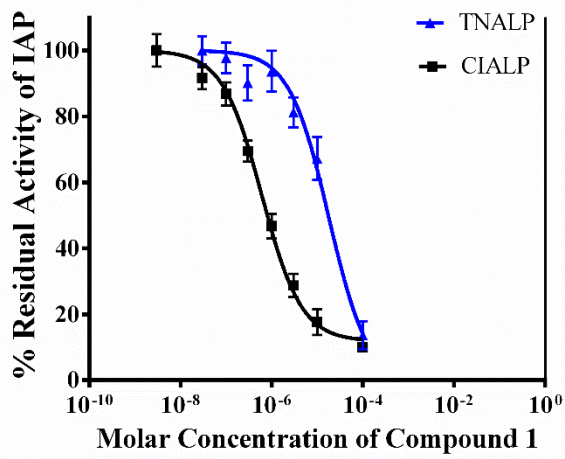
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³ H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi-75270, Pakistan

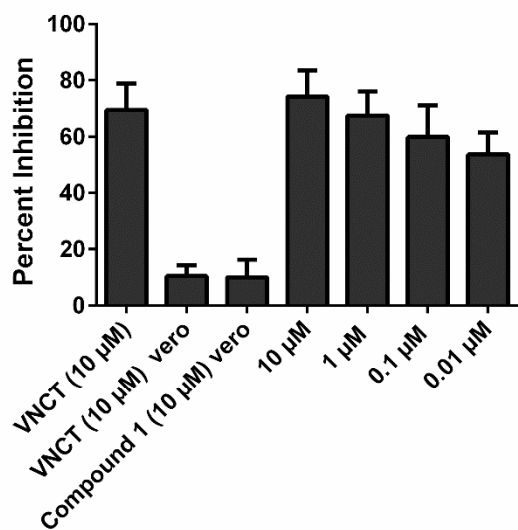
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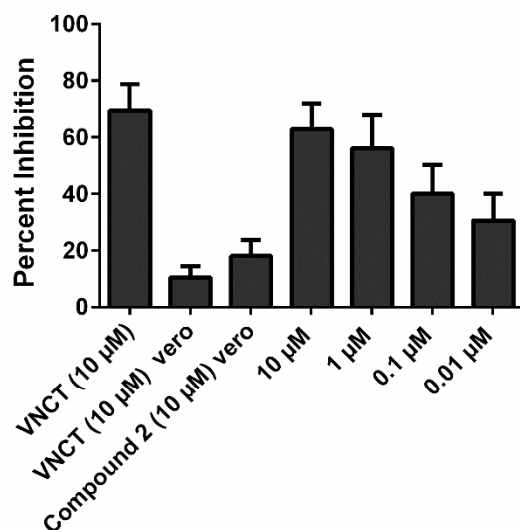
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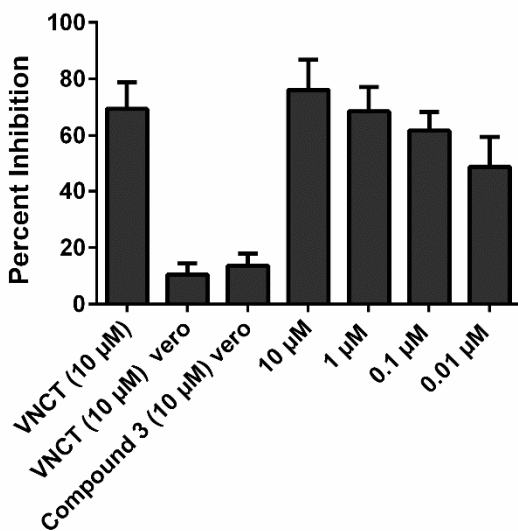
S1: Comparison of tested compounds for their inhibition against tissue specific (CIALP) and tissue non-specific (TNALP) alkaline phosphatases



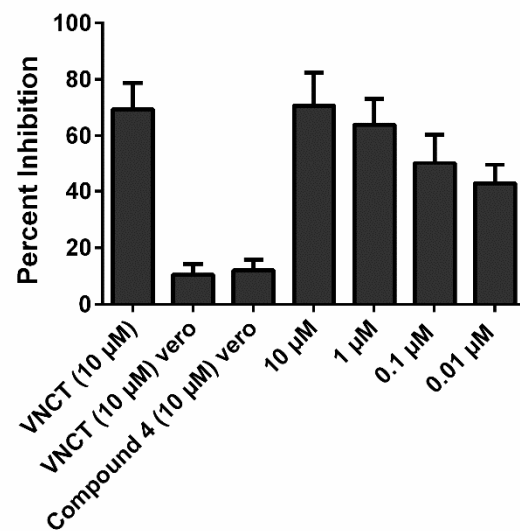
Molar concentration of Compound 1 (μM)



Molar Concentration of Compound 2 (μM)

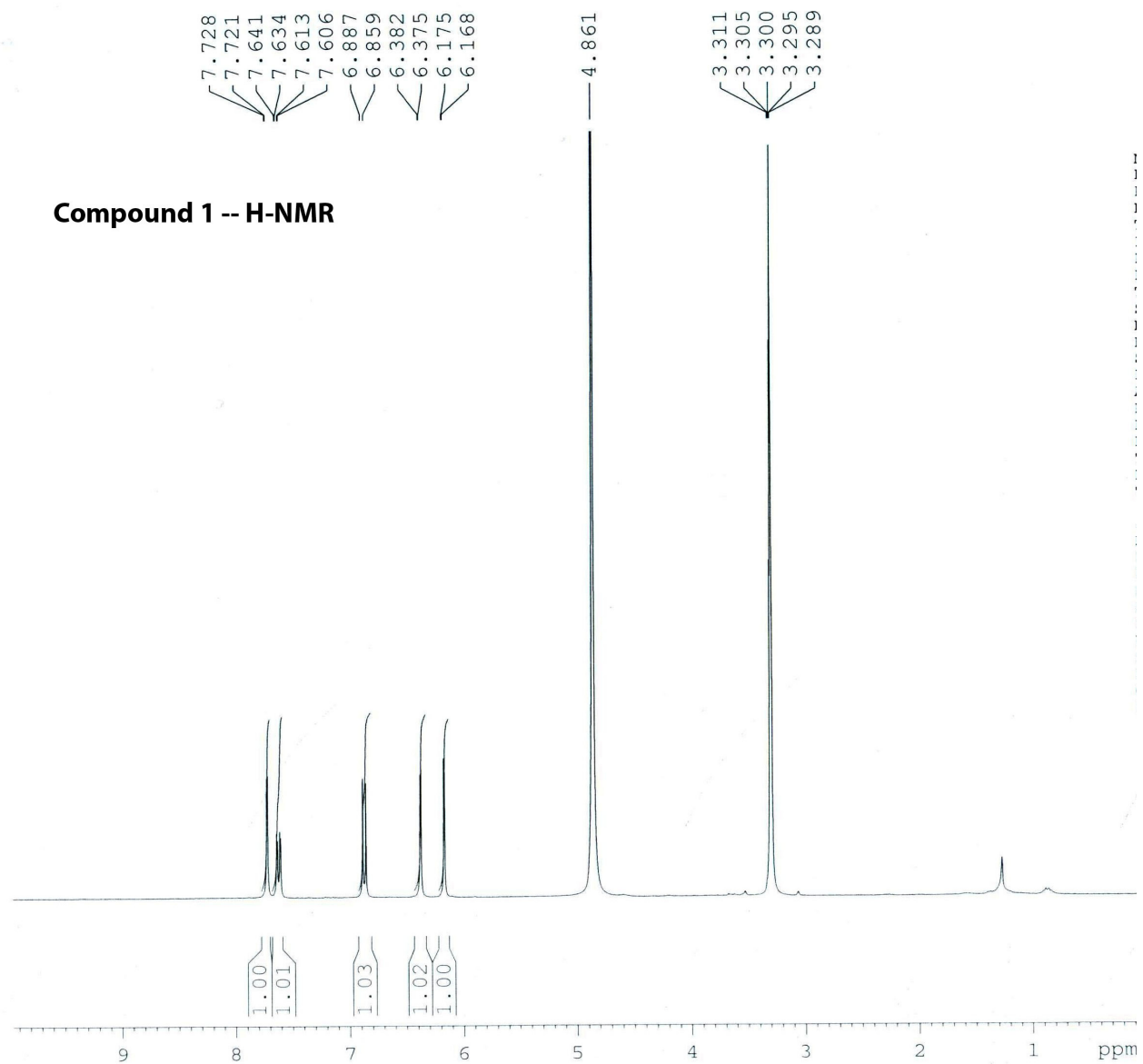


Molar Concentration of Compound 3 (μM)



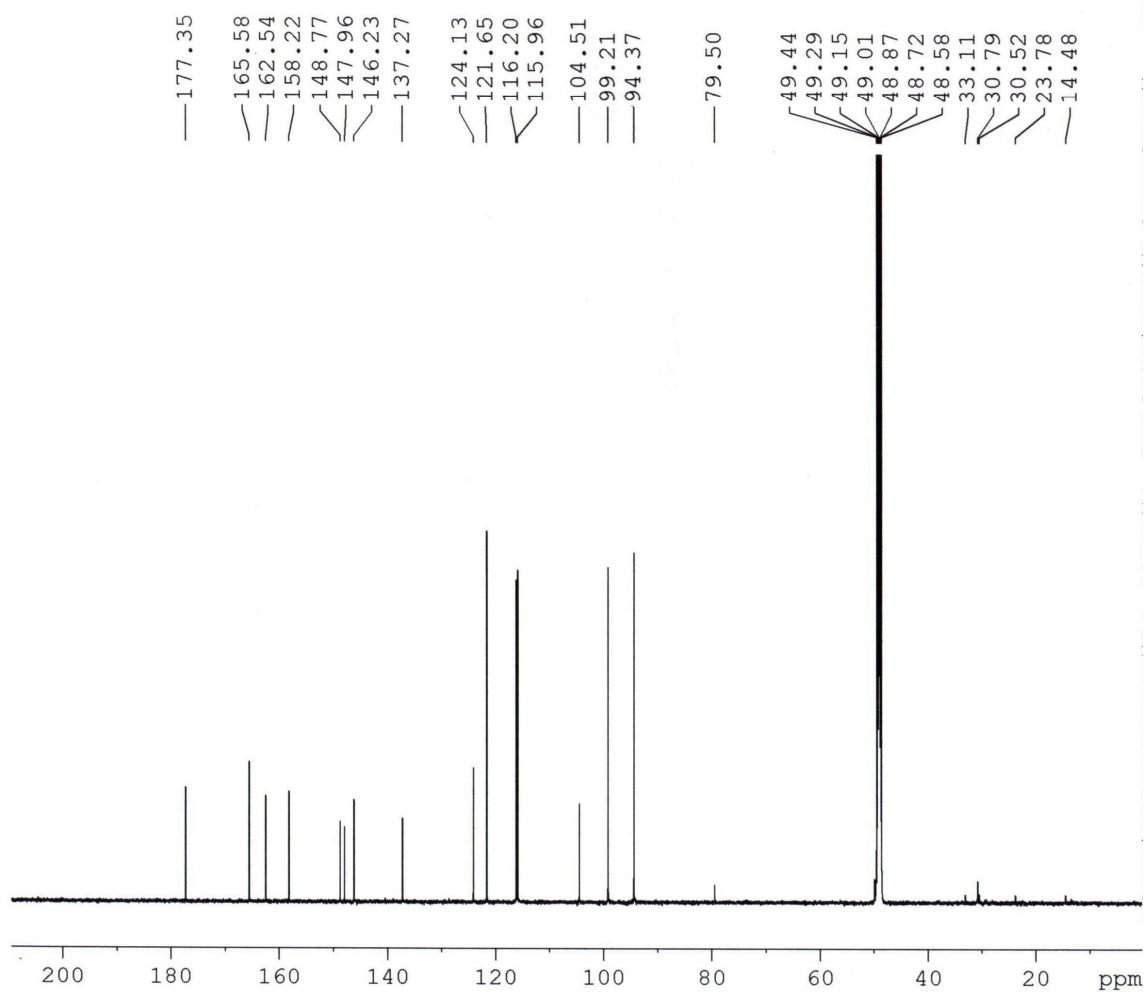
Molar Concentration of Compound 4 (μM)

S2: A representation of cytotoxicity of isolated compounds against HeLa and Vero cells at different concentrations and their comparison with standard anticancer drug vincristine (VNCT)



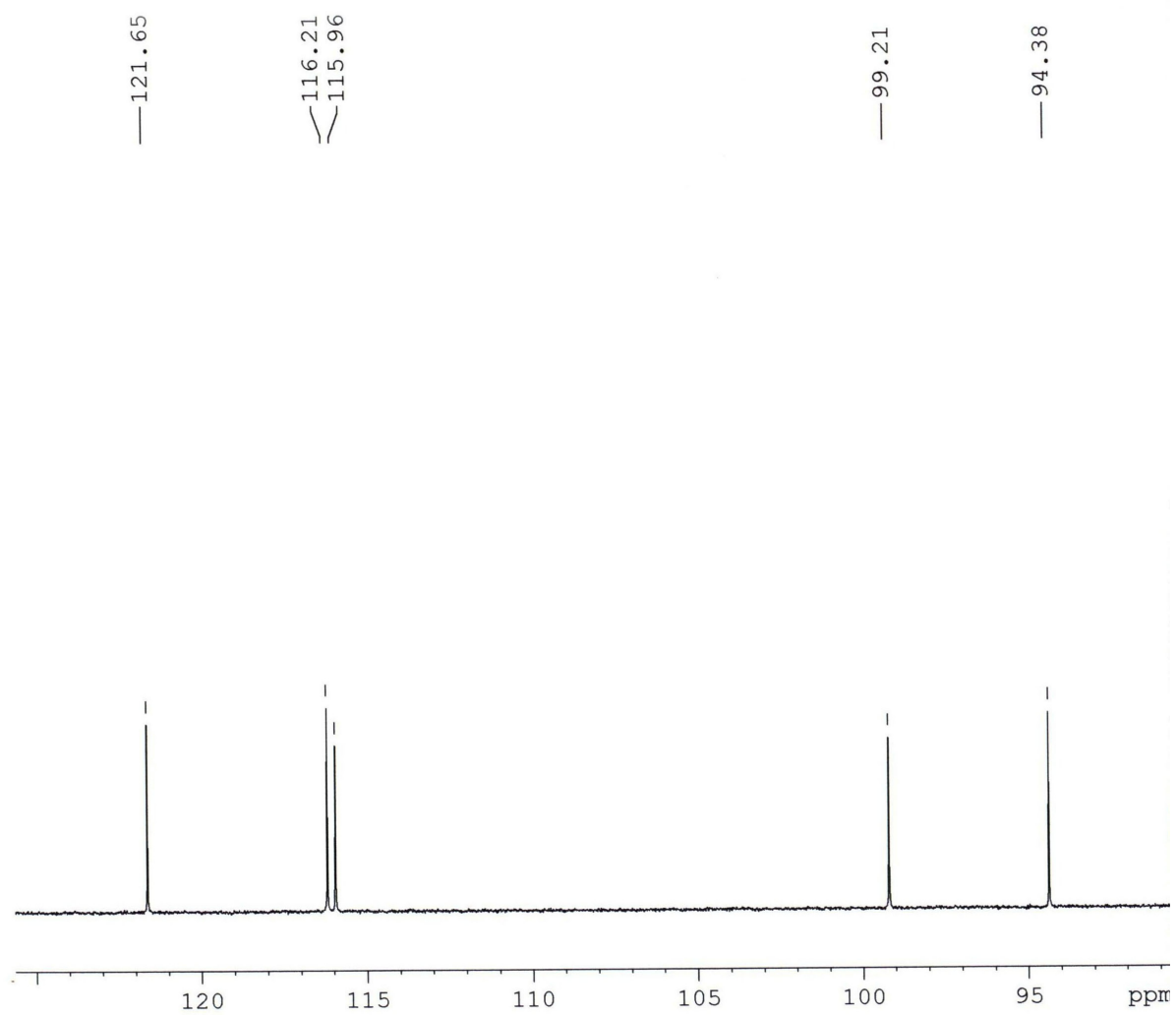
S3: $^1\text{H-NMR}$ spectrum of compound **1**

Compound 1 -- BB



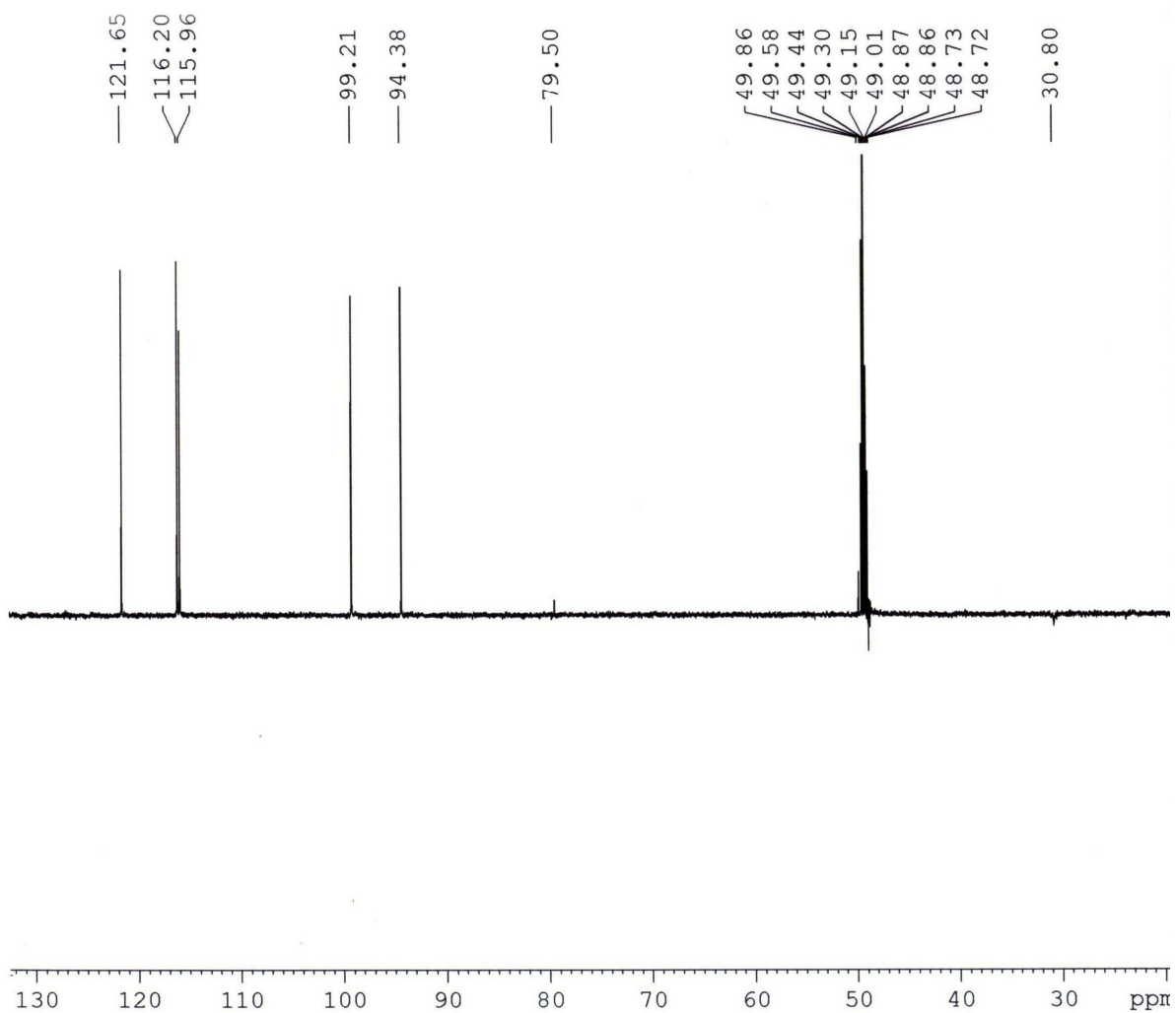
S4: ^{13}C -NMR spectrum of compound **1**

Compound 1 -- DEPT 90



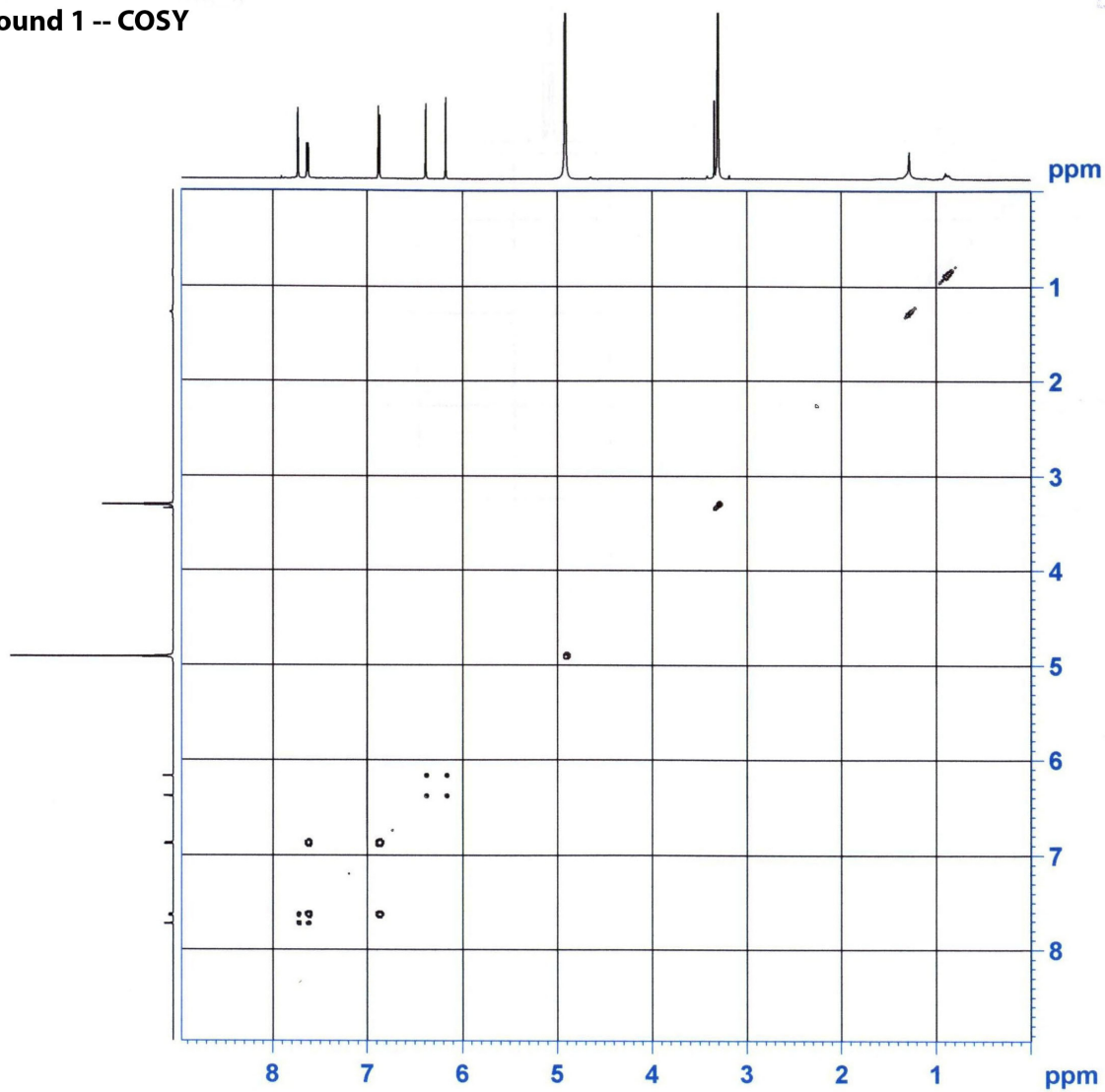
S5: DEPT-90 spectrum of compound 1

Compound 1 -- DEPT 135



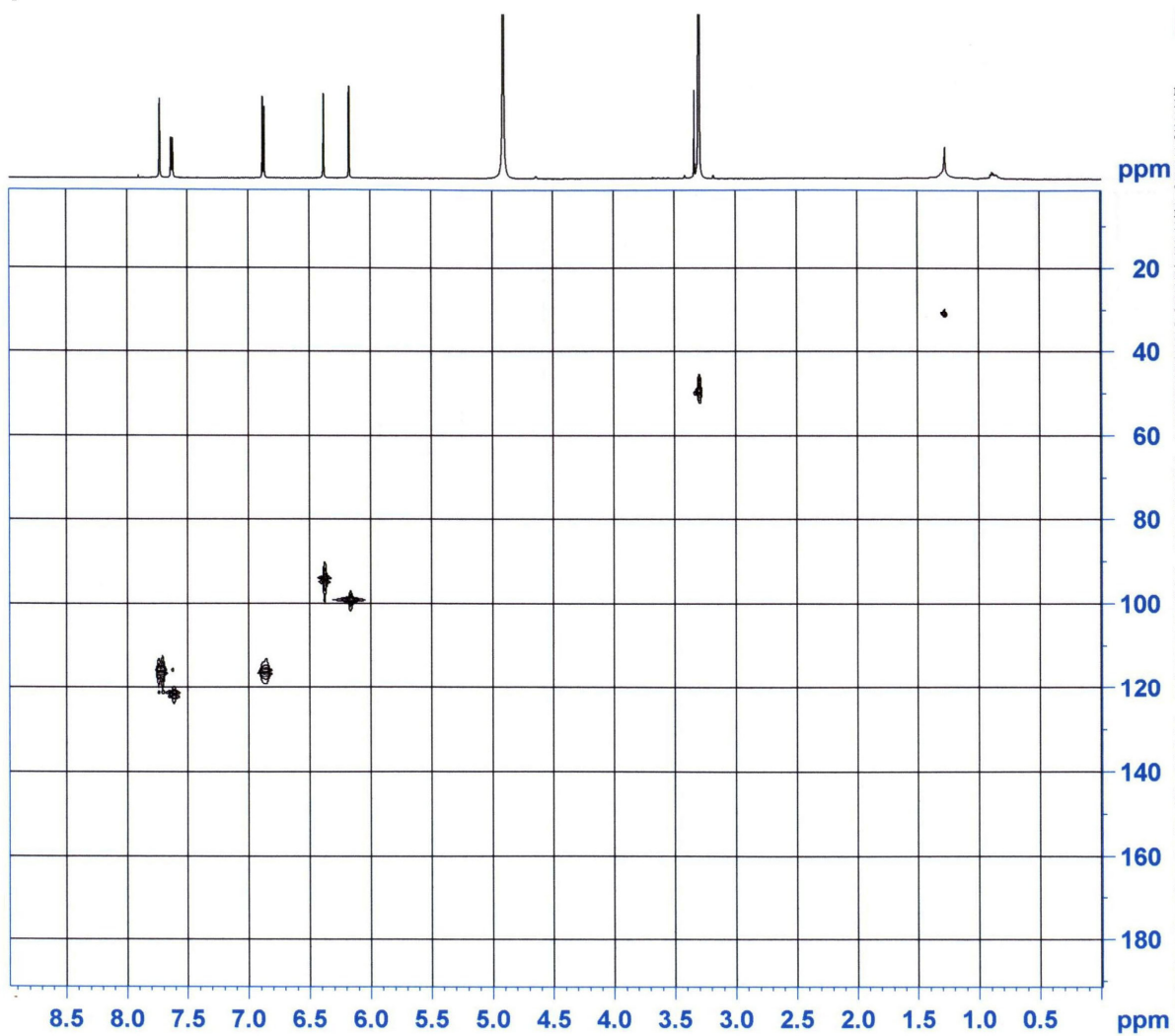
S6: DEPT-135 spectrum of compound **1**

Compound 1 -- COSY



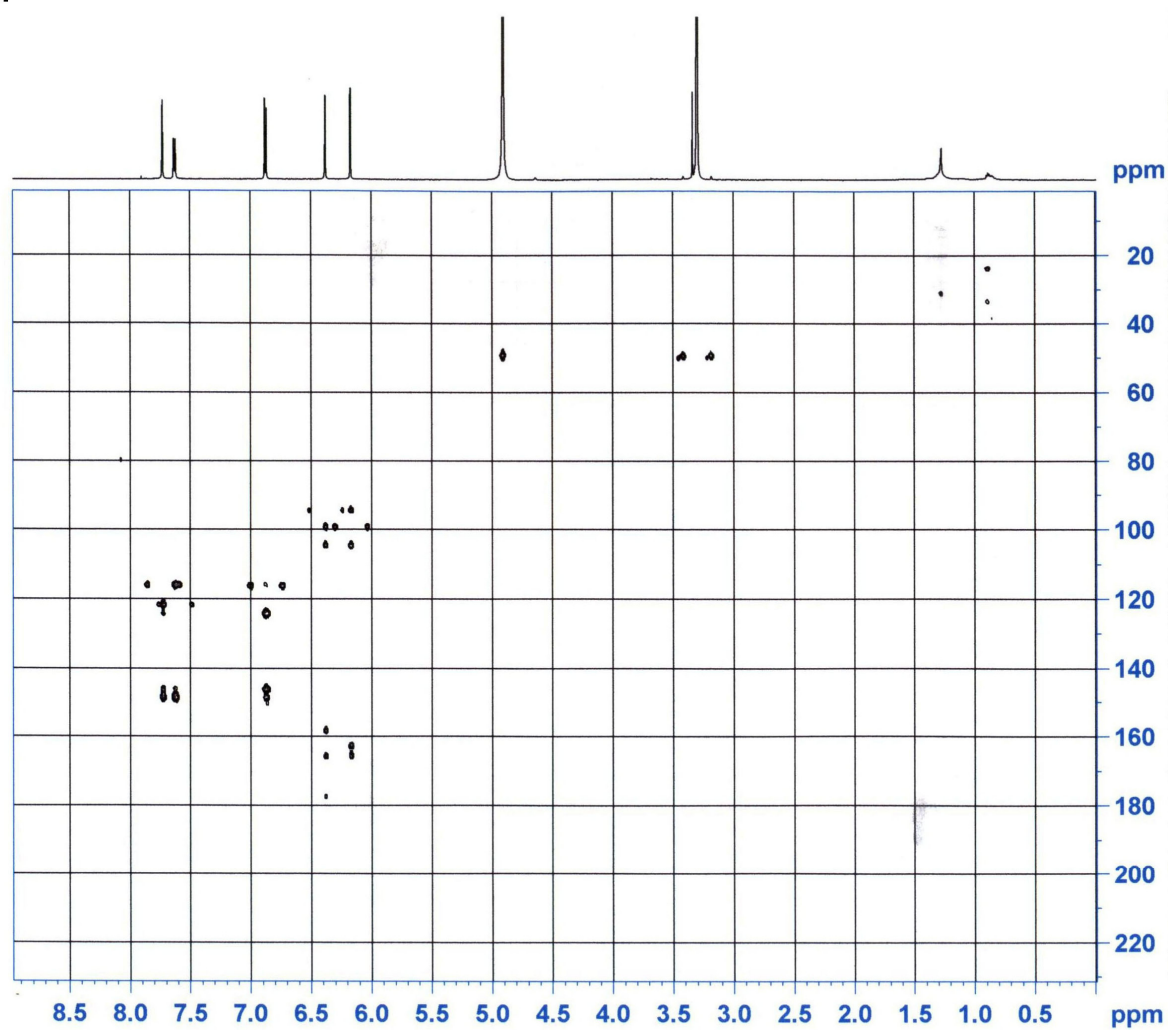
S7: ^1H - ^1H COSY spectrum of compound 1

Compound 1 -- HSQC



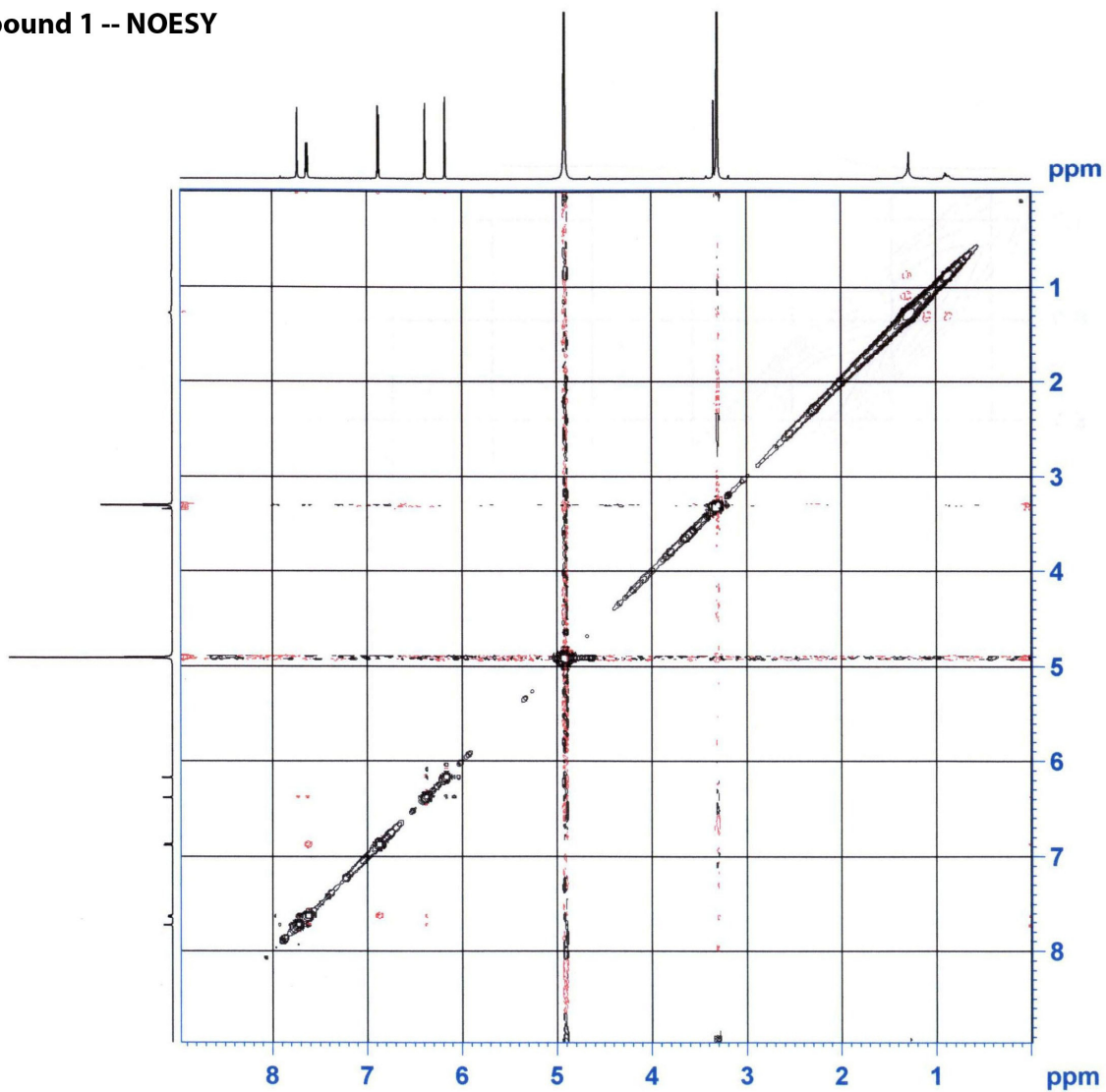
S8: HSQC spectrum of compound 1

Compound 1 -- HMBC



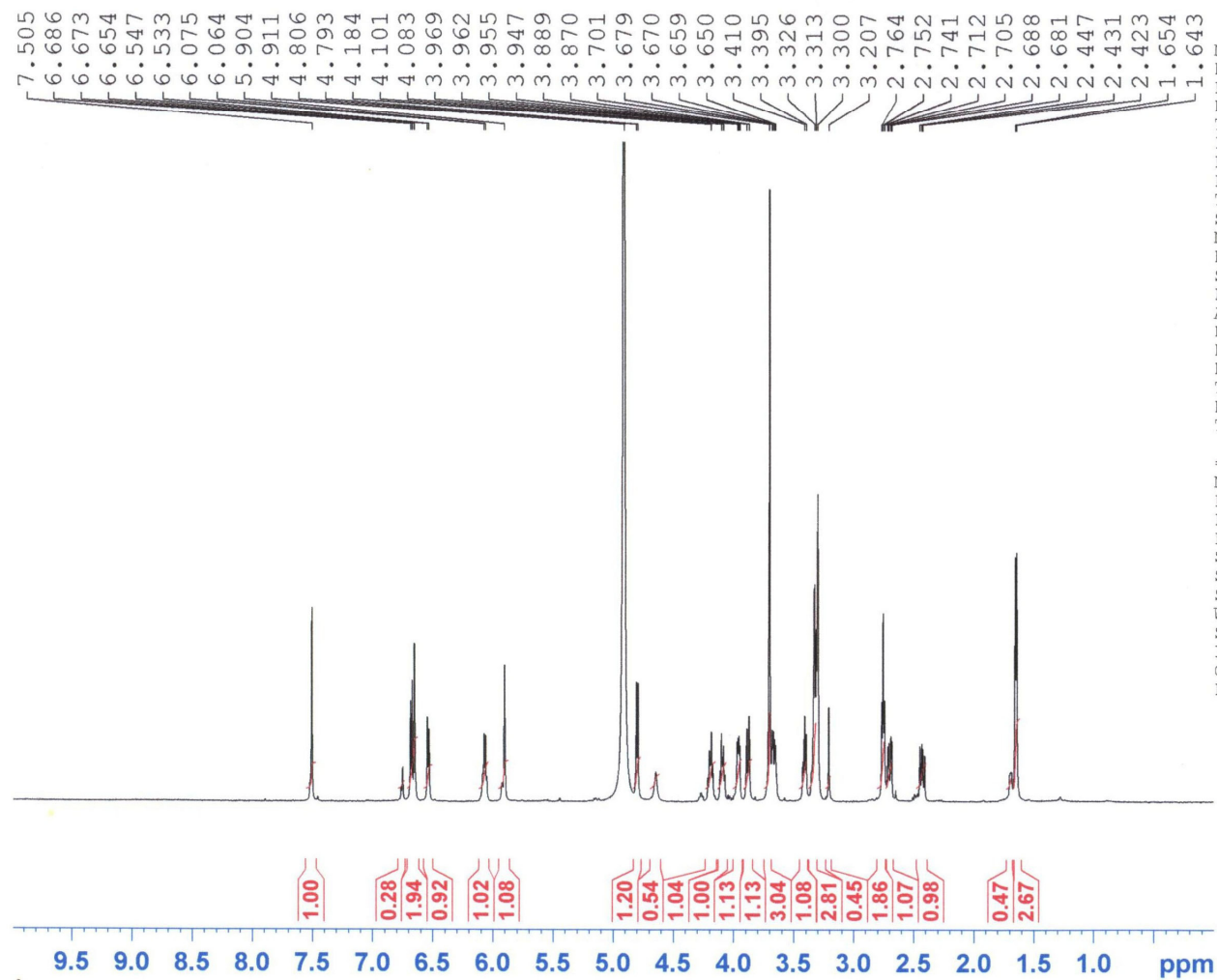
S9: HMBC spectrum of compound 1

Compound 1 -- NOESY



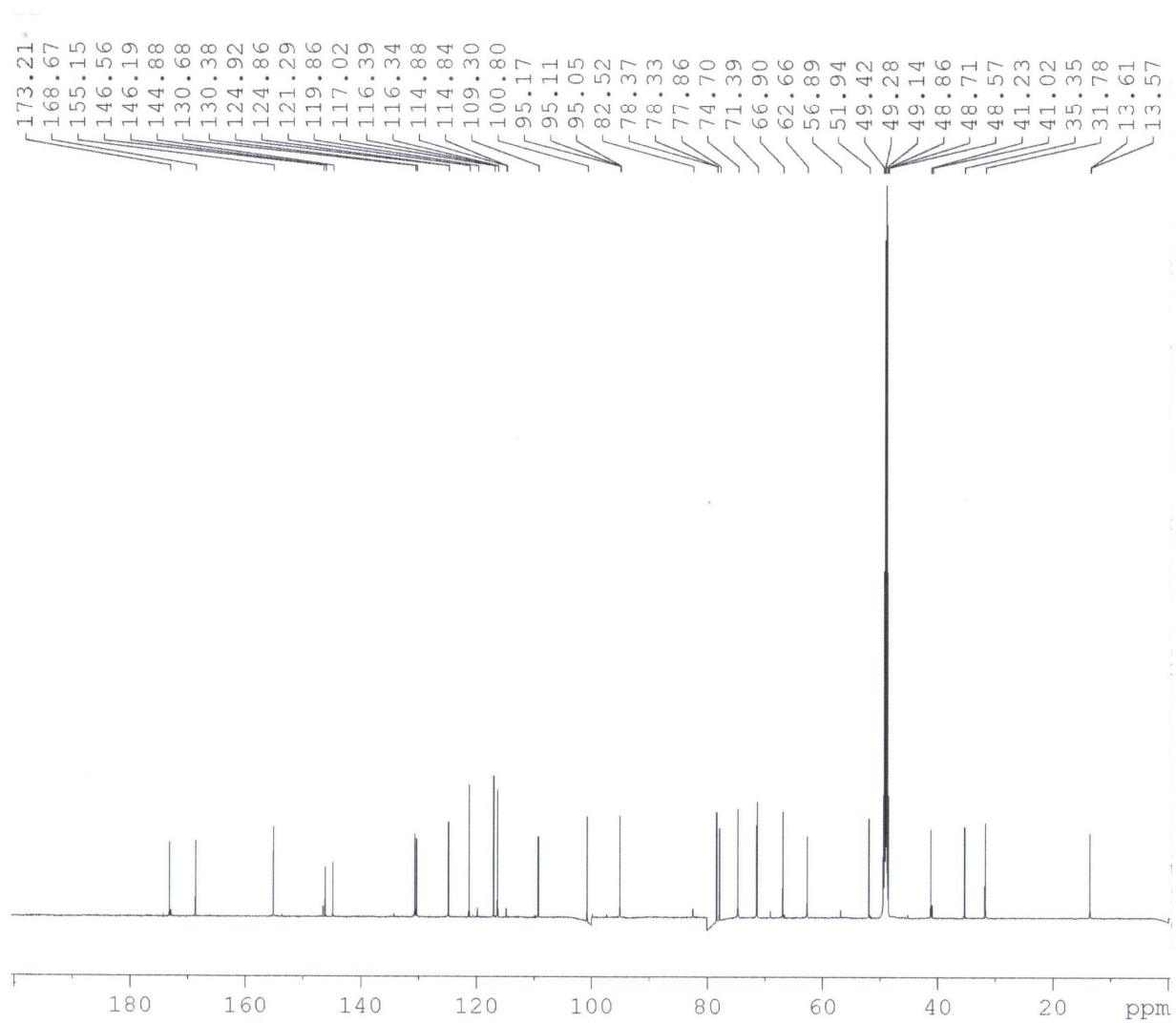
S10: NOESY spectrum of compound 1

Compound 3 -- H-NMR



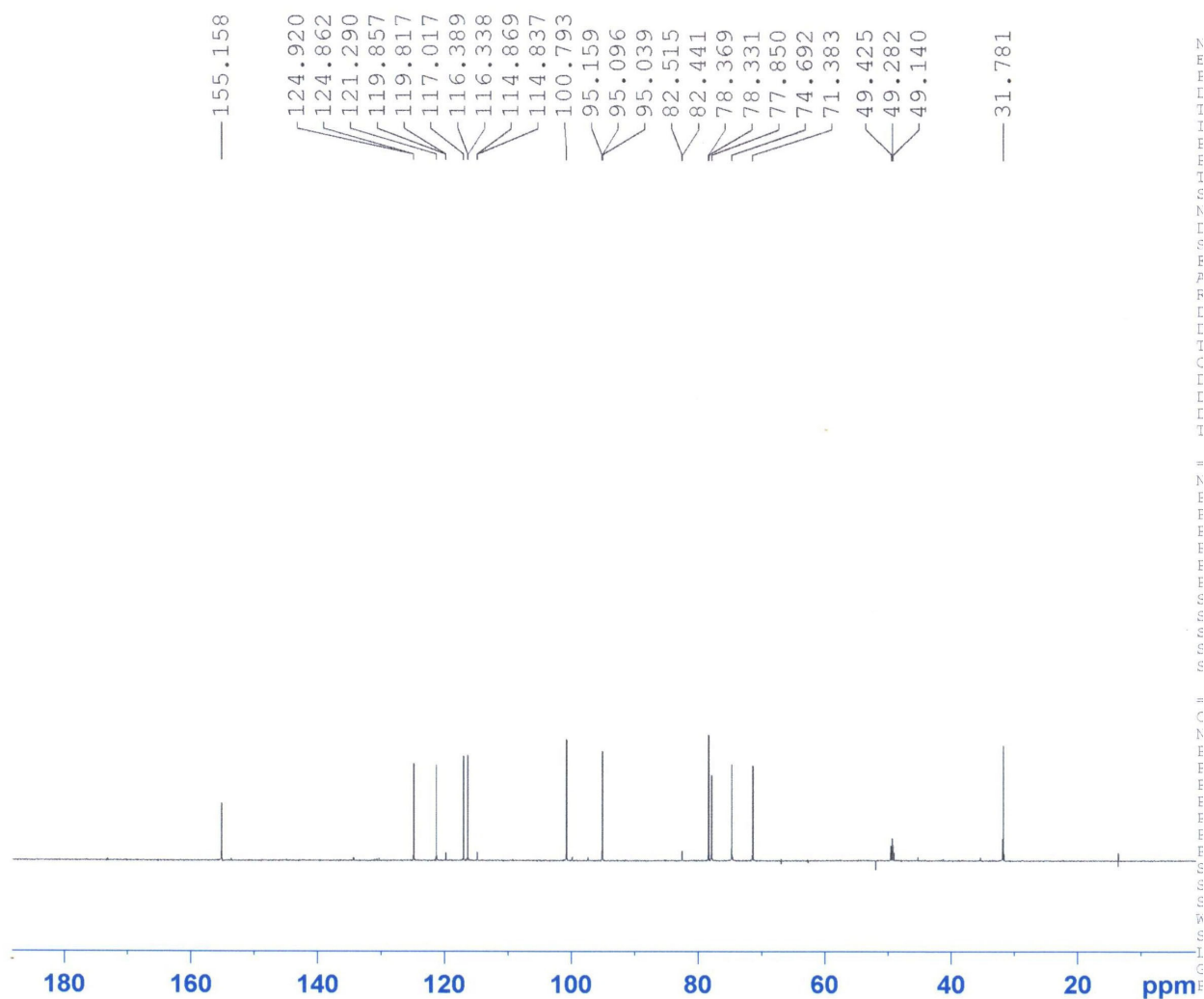
S11: ¹H-NMR spectrum of compound 3

Compound 3 -- BB



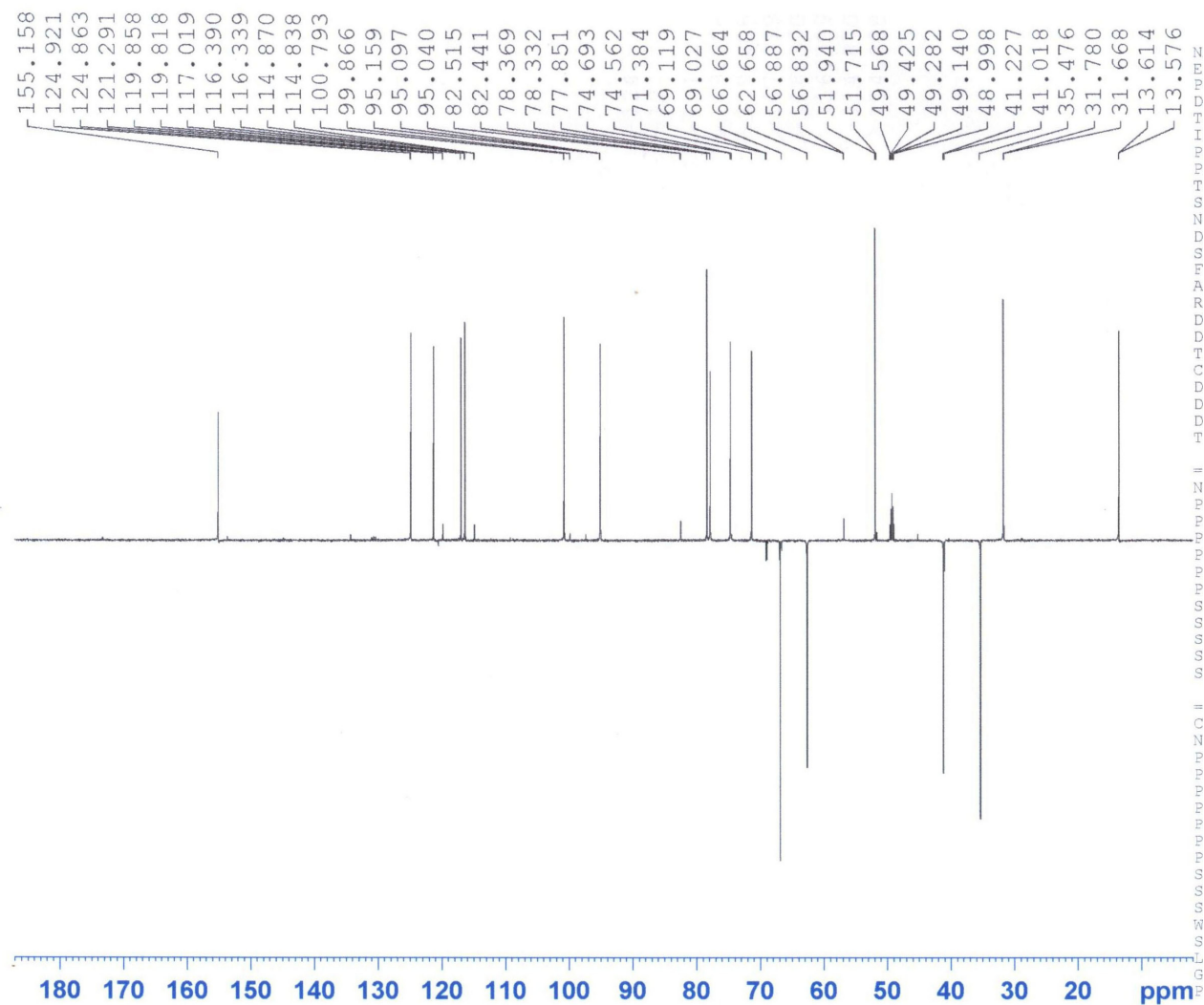
S12: ¹³C-NMR spectrum of compound 3

Compound 3 -- DEPT 90



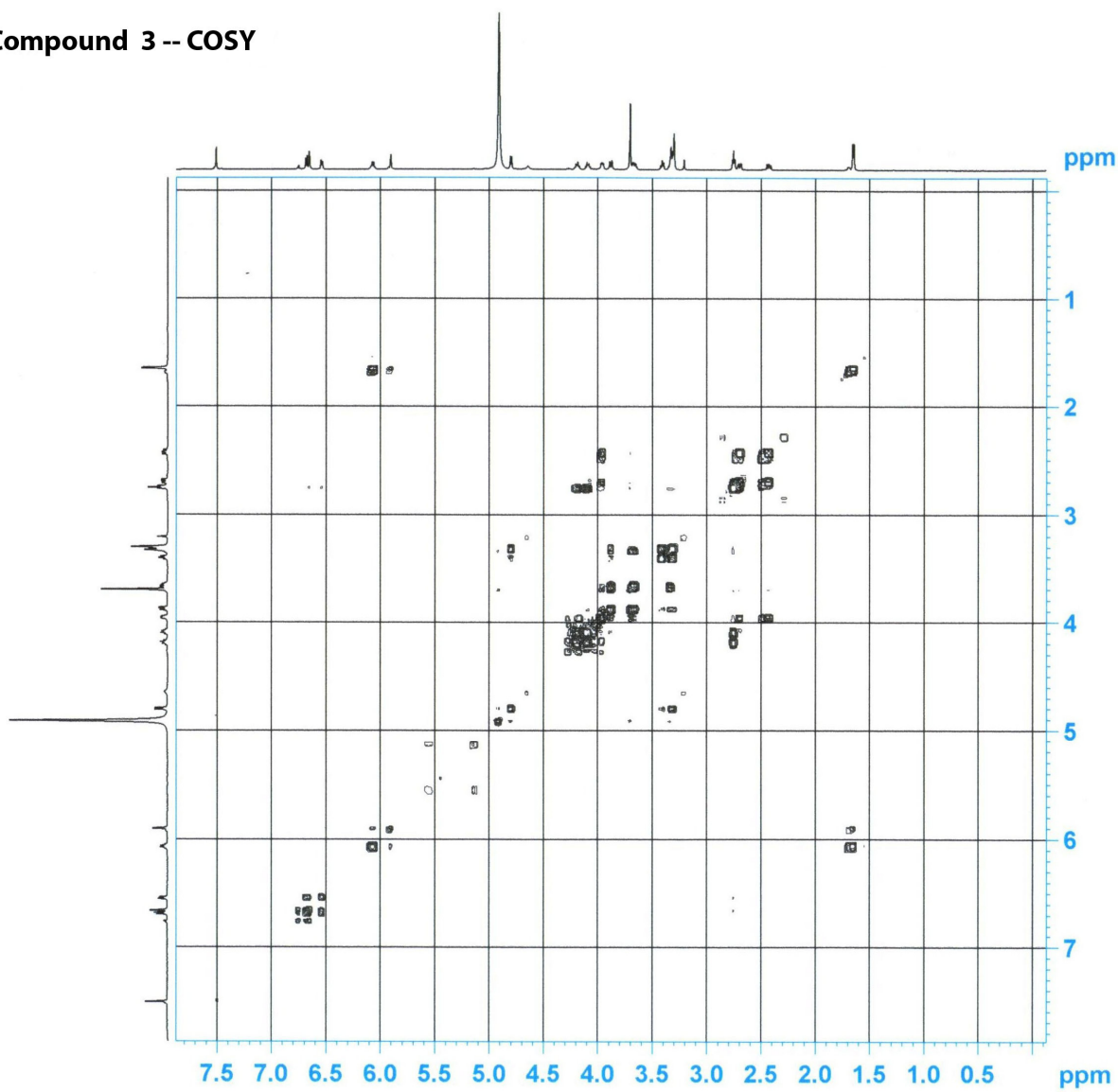
S13: DEPT 90 spectrum of compound 3

Compound 3 -- DEPT 135



S14: DEPT 135 spectrum of compound **3**

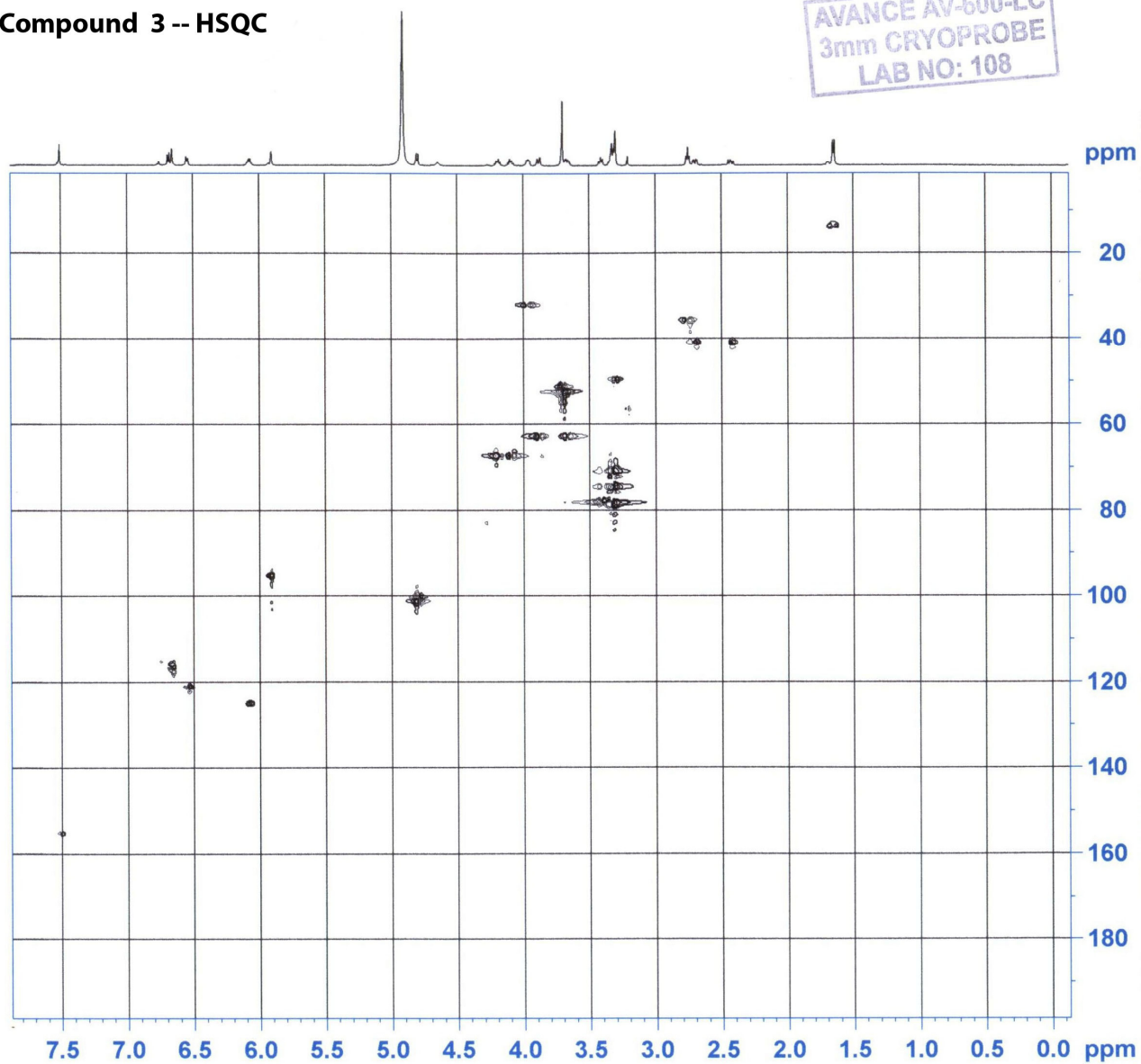
Compound 3 -- COSY



S15: ^1H - ^1H COSY spectrum of compound 3

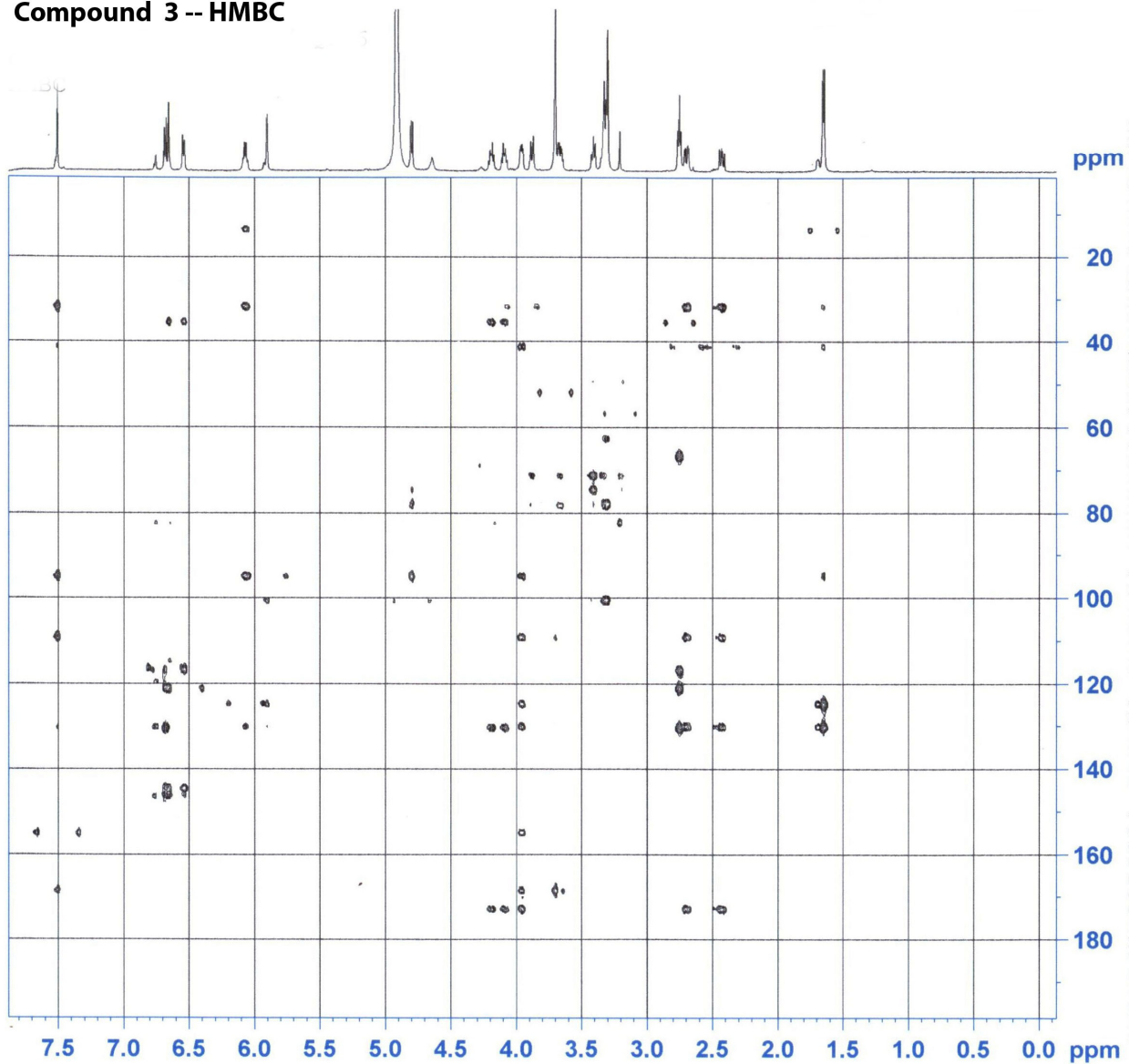
Compound 3 -- HSQC

AVANCE AV-600-LC
3mm CRYOPROBE
LAB NO: 108



S16: HSQC spectrum of compound 3

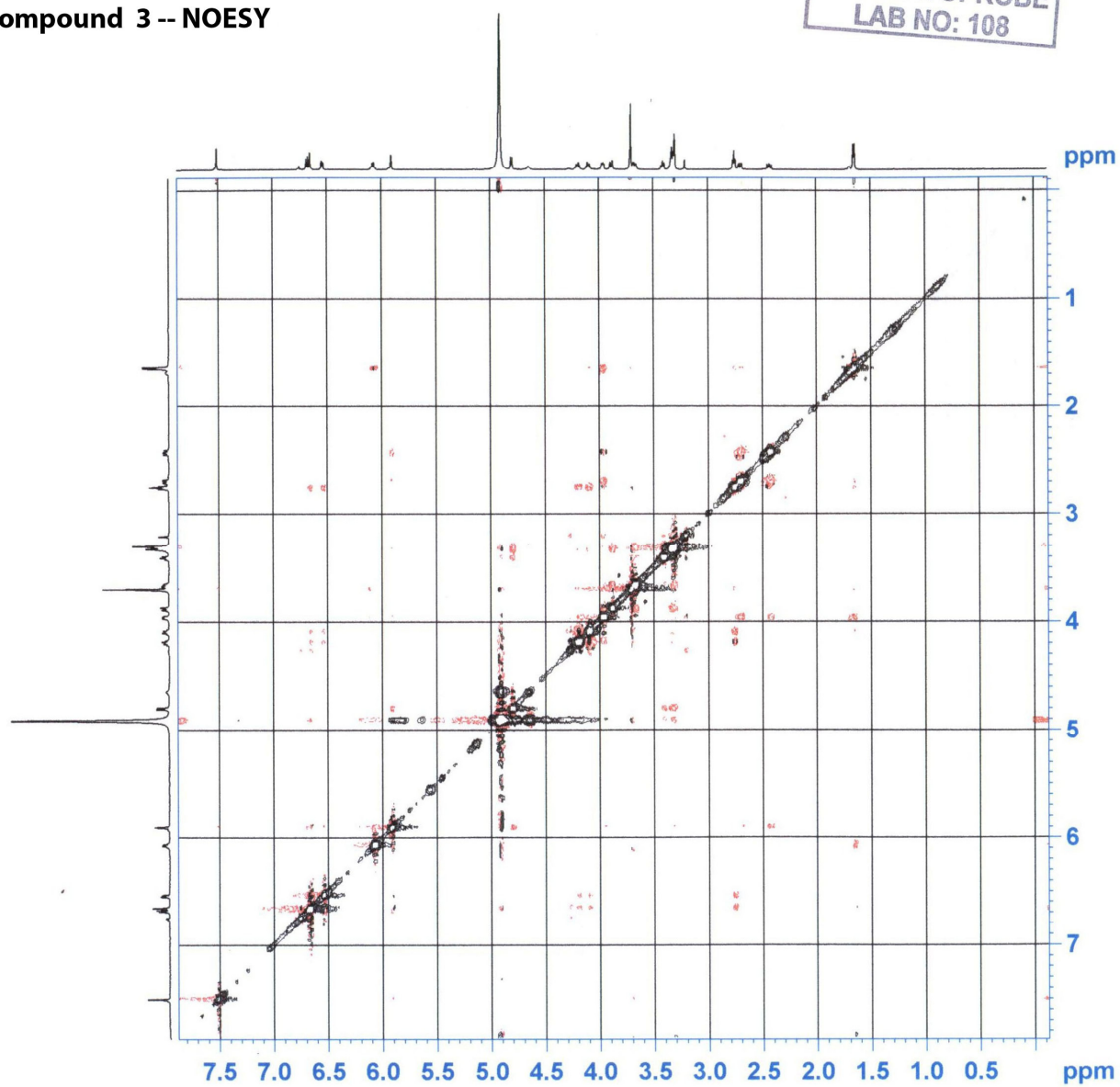
Compound 3 -- HMBC



S17: HMBC spectrum of compound 3

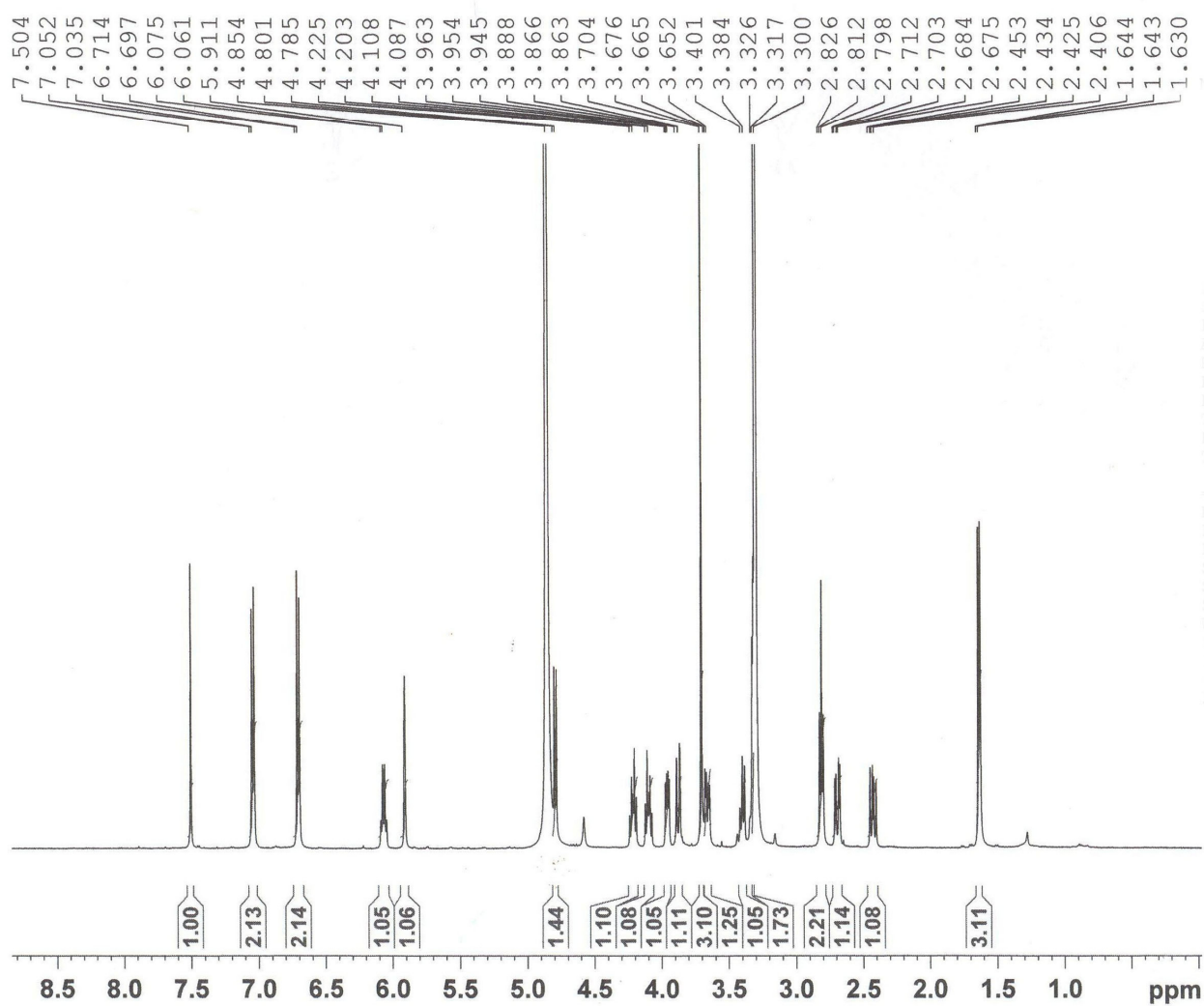
Compound 3 -- NOESY

3mm CRYOPROBE
LAB NO: 108



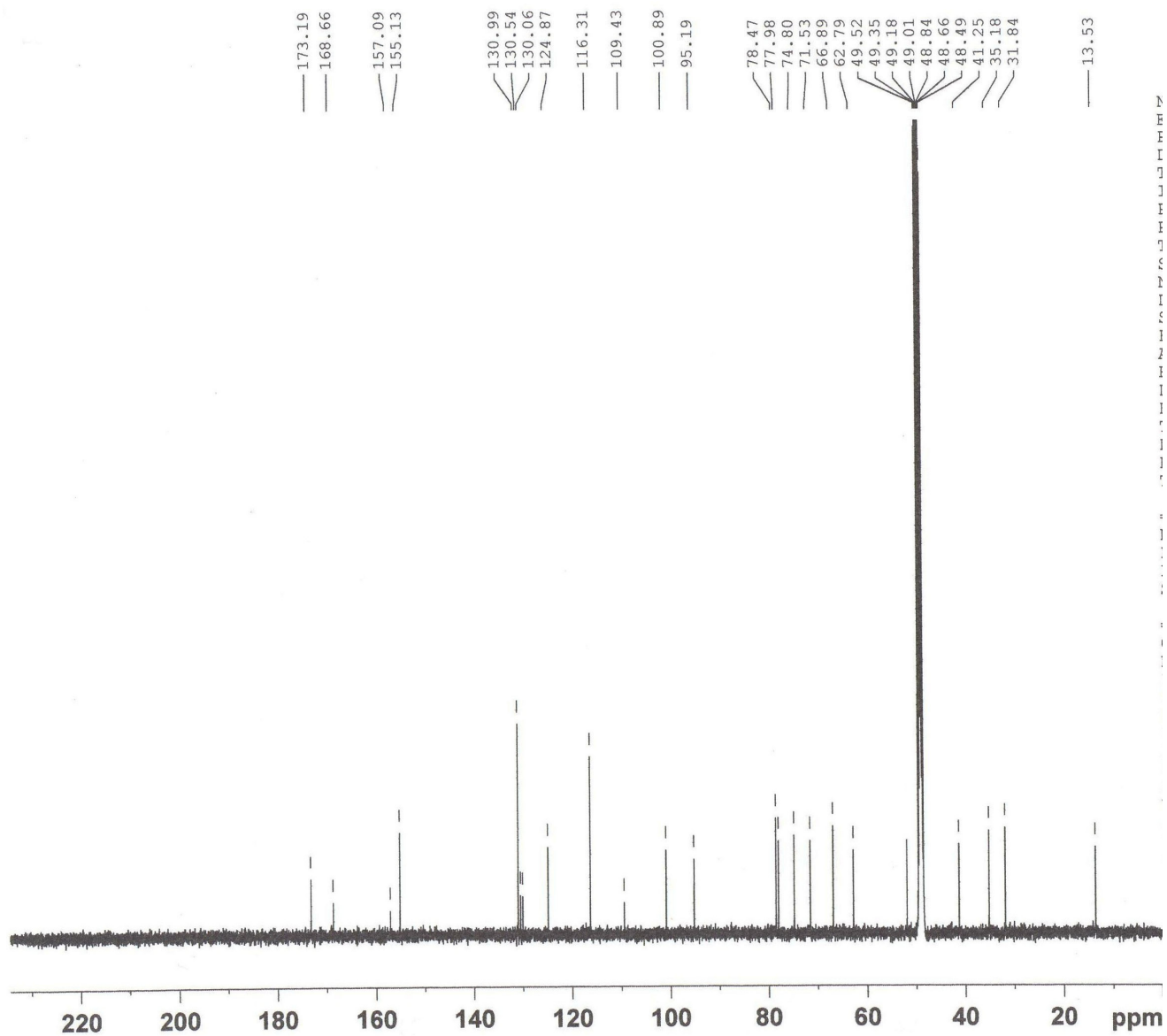
S18: NOESY spectrum of compound 3

Compound 4 -- H-NMR



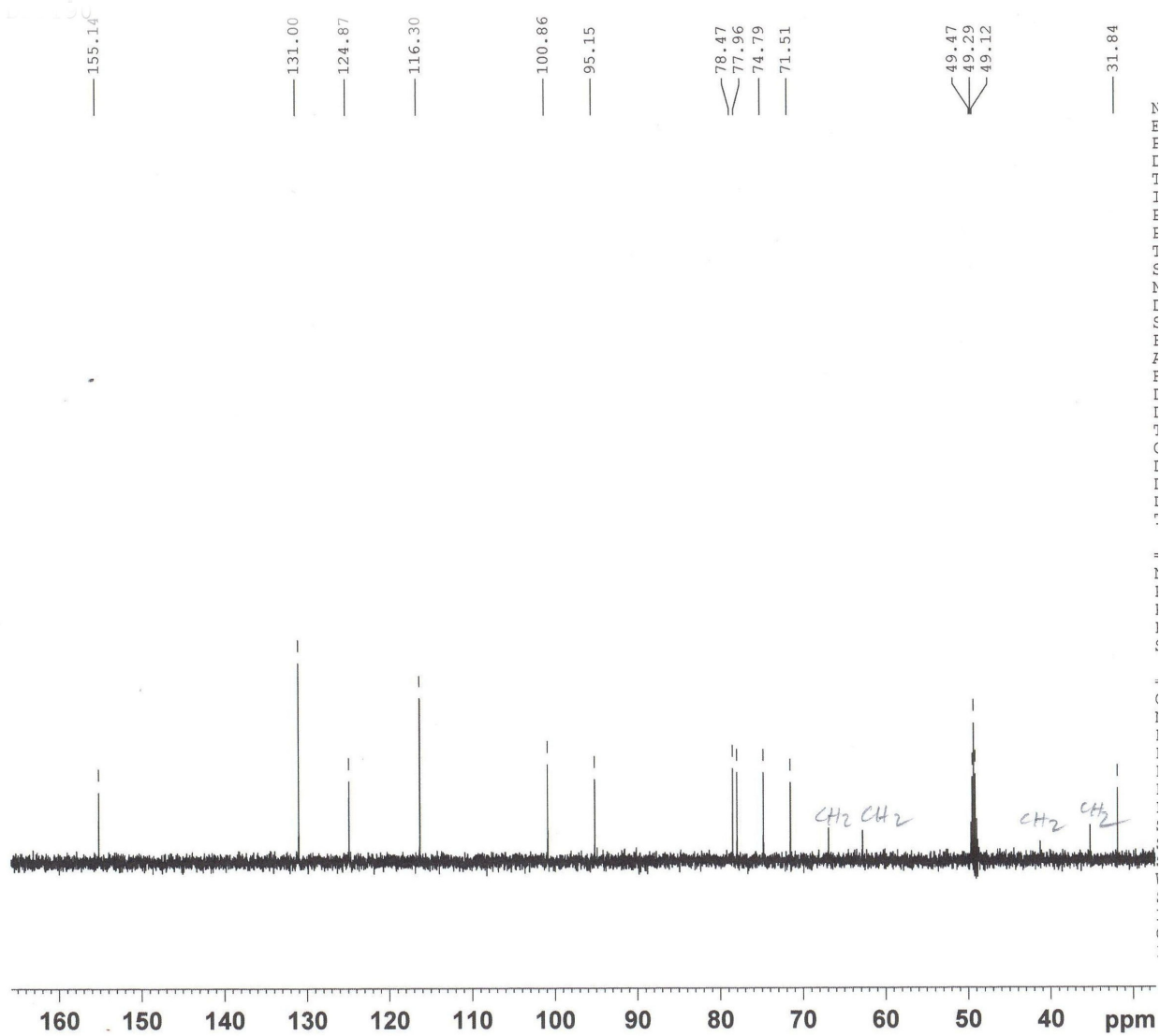
S19: ¹H-NMR spectrum of compound 4

Compound 4 -- BB



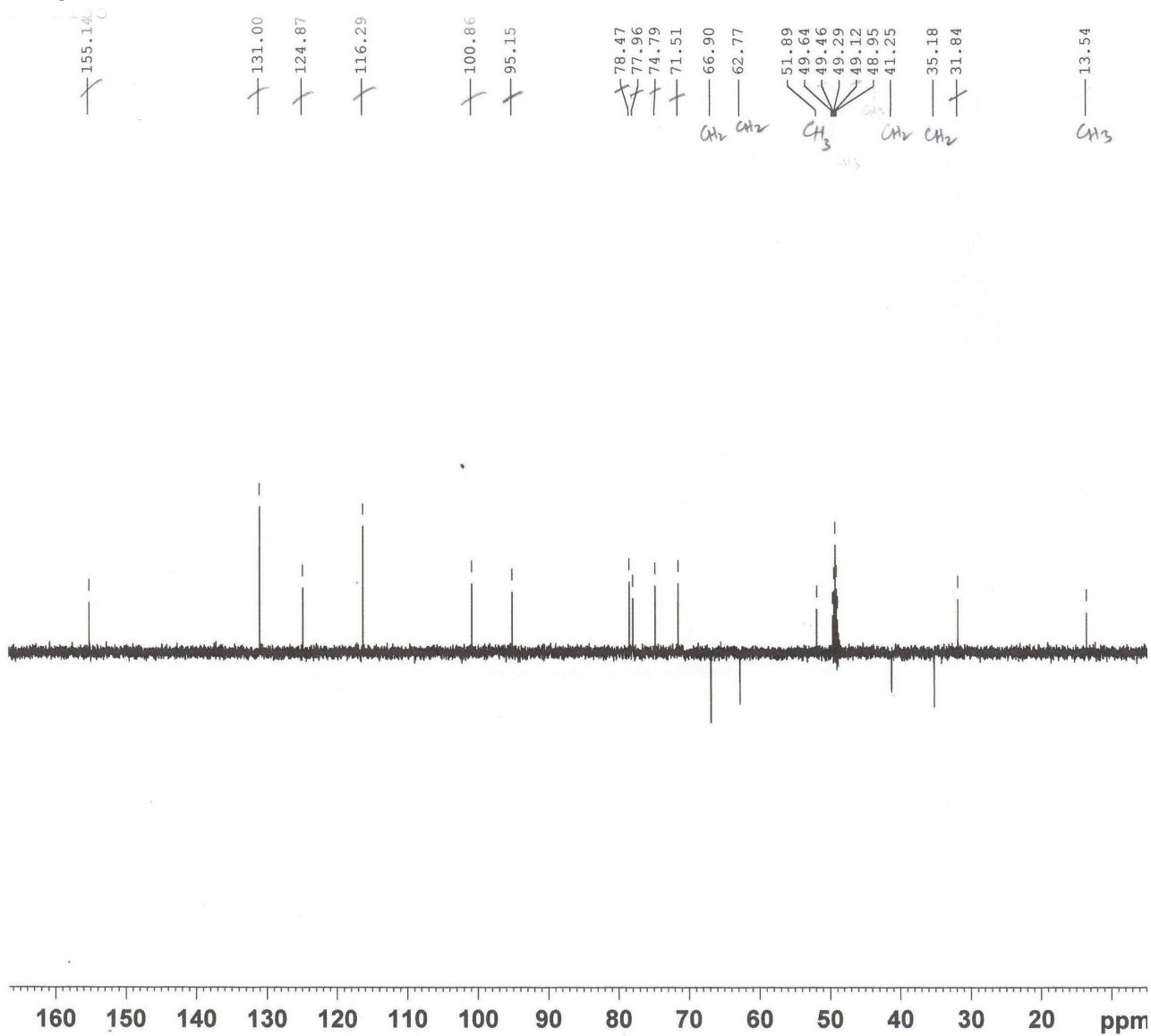
S20: ¹³C-NMR spectrum of compound 4

Compound 4 -- DEPT 90



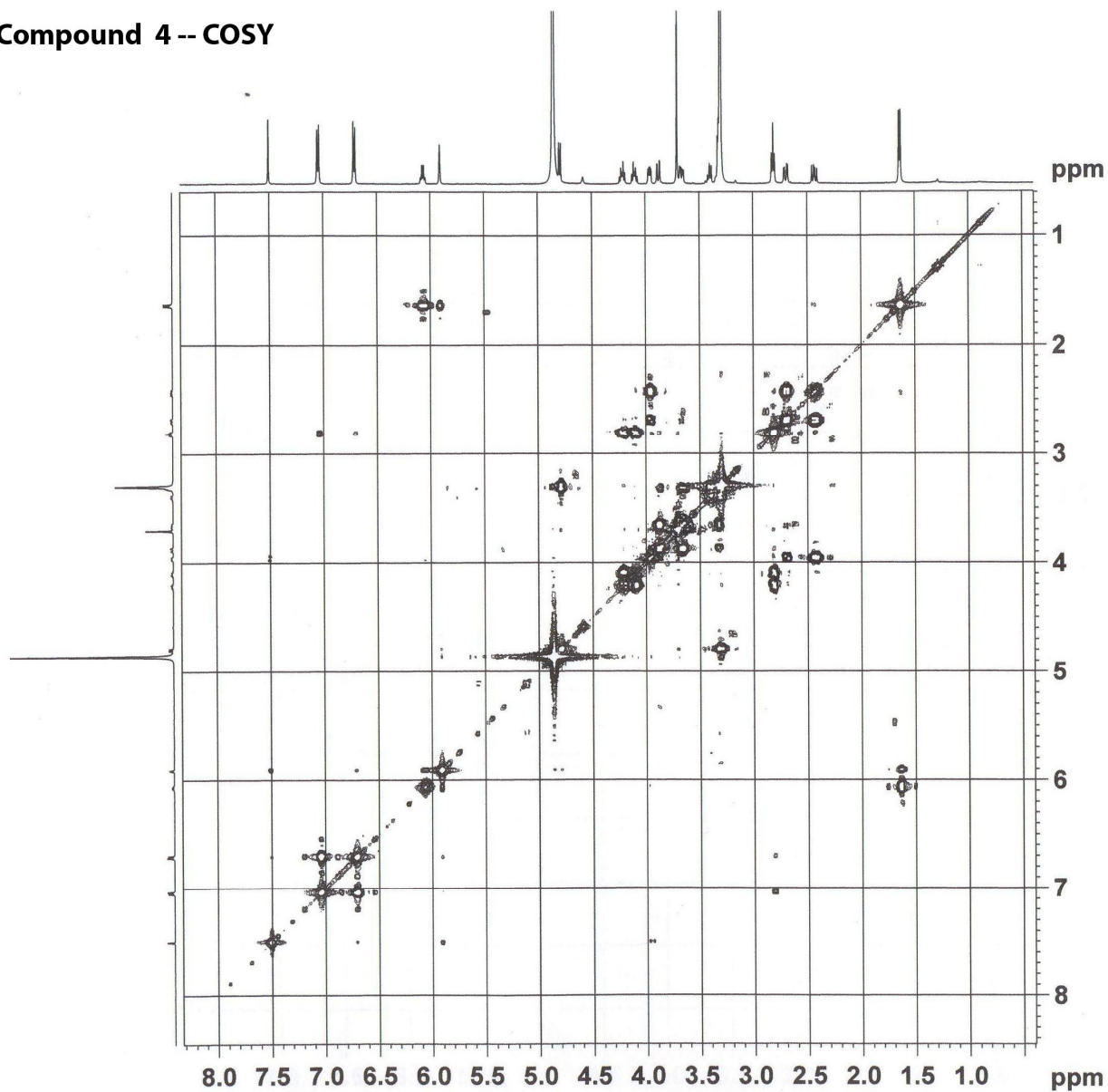
S21: DEPT 90 spectrum of compound 4

Compound 4 -- DEPT 135



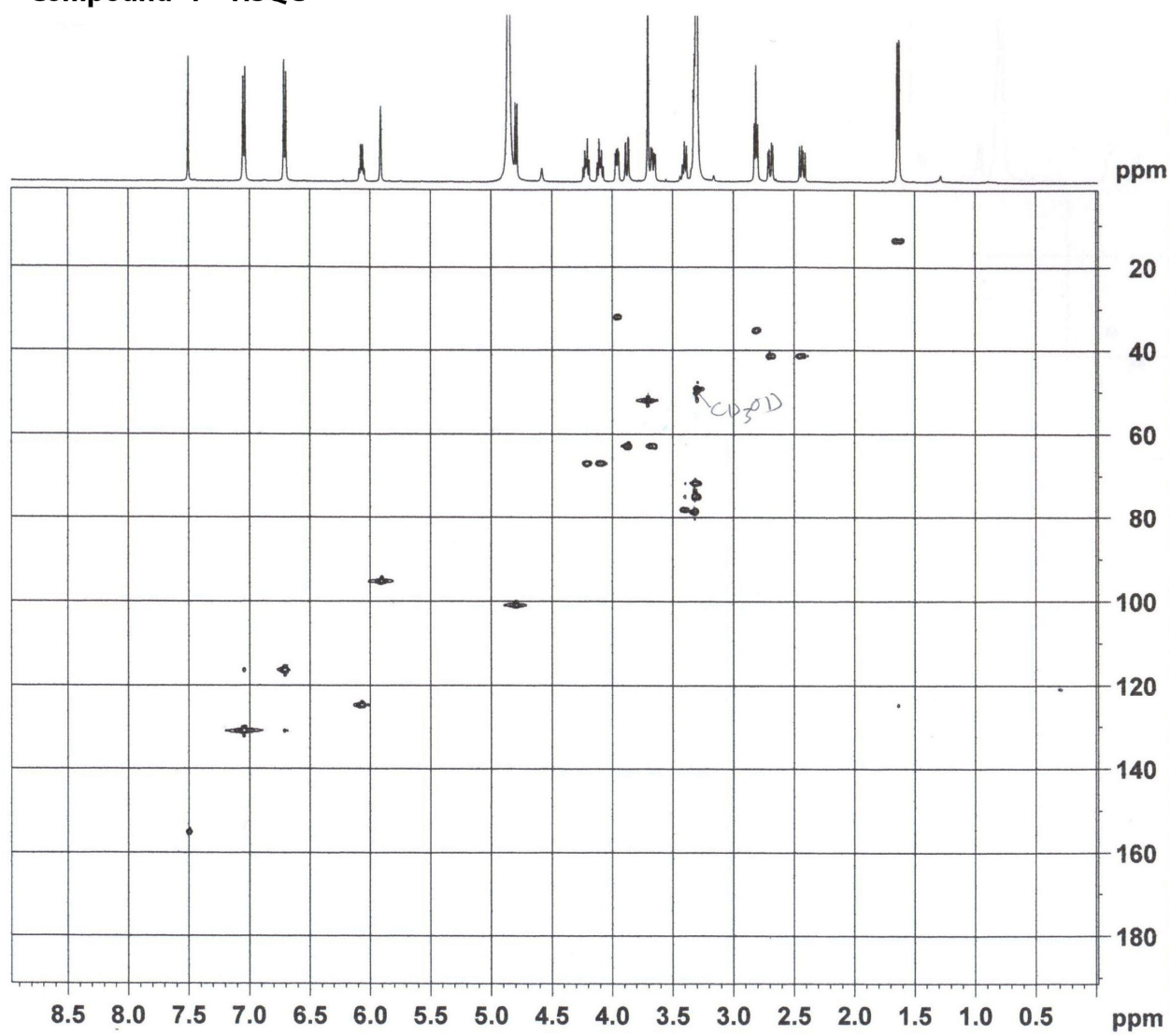
S22: DEPT 135 spectrum of compound 4

Compound 4 -- COSY



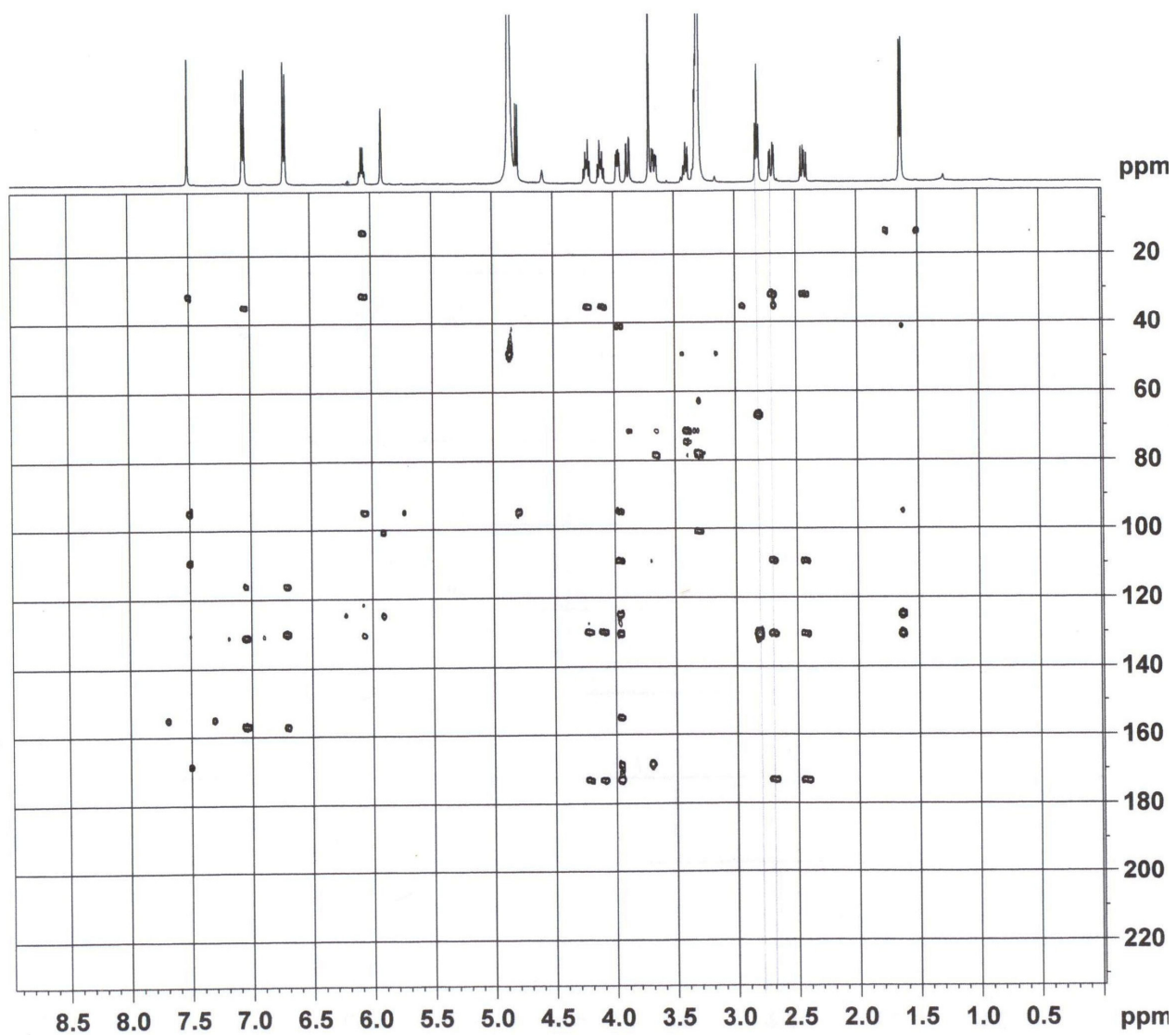
S23: ^1H - ^1H COSY spectrum of compound 4

Compound 4 -- HSQC



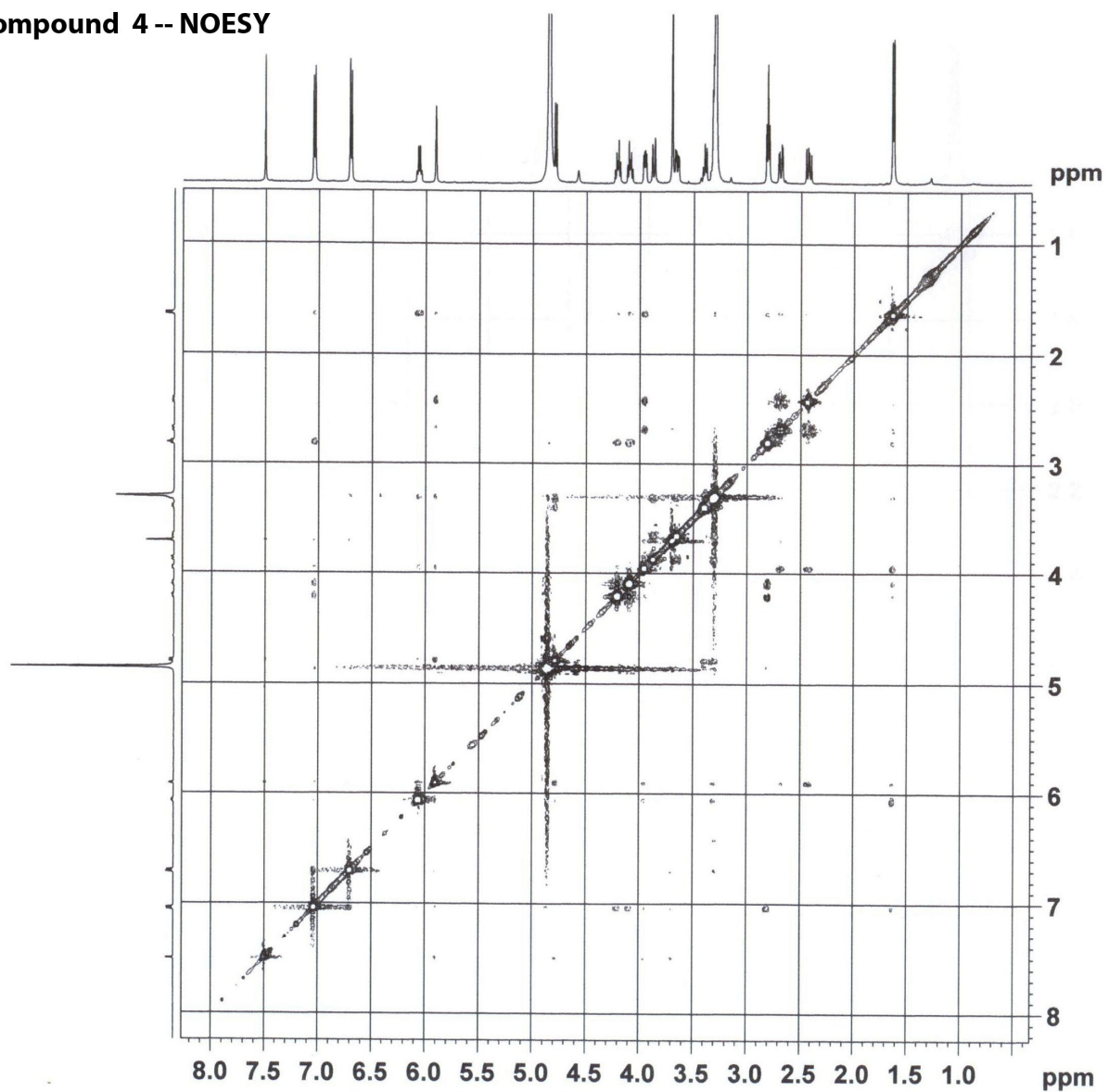
S24: HSQC spectrum of compound 4

Compound 4 -- HMBC



S25: HMBC spectrum of compound 4

Compound 4 -- NOESY



S26: NOESY spectrum of compound 4

Instrument: JEOL MSRoute
Inlet: Direct Probe

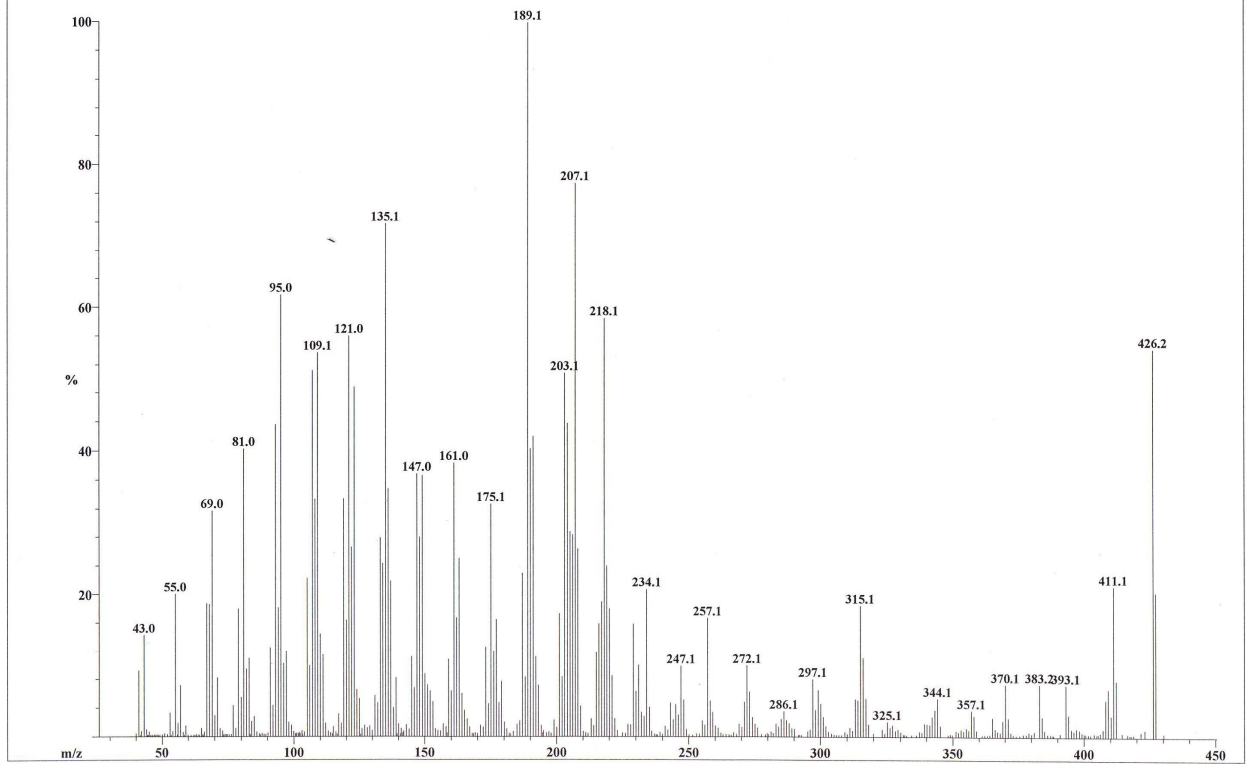
Ionization mode: EI+

Scan: 19

R.T.: 1.67

Base: m/z 189; 81.6%FS TIC: 22391813 (Max Inten : 856043)

#Ions: 431



S27: EI-MS spectrum of compound 2