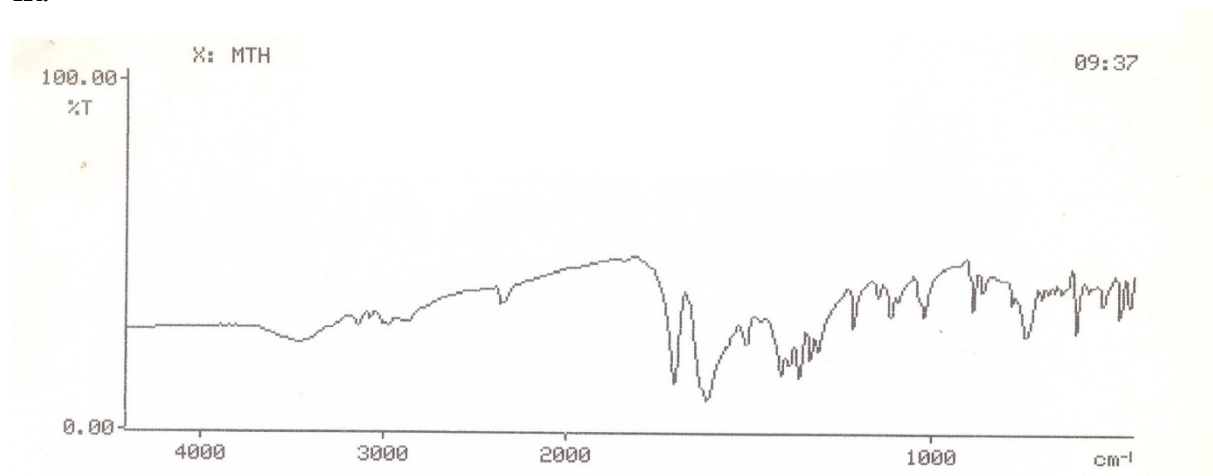


SPECTRAL DATA

3-Methyl-2-(2-thienylcarbonyl)hydrazono-4-thiazolidinone (2a)

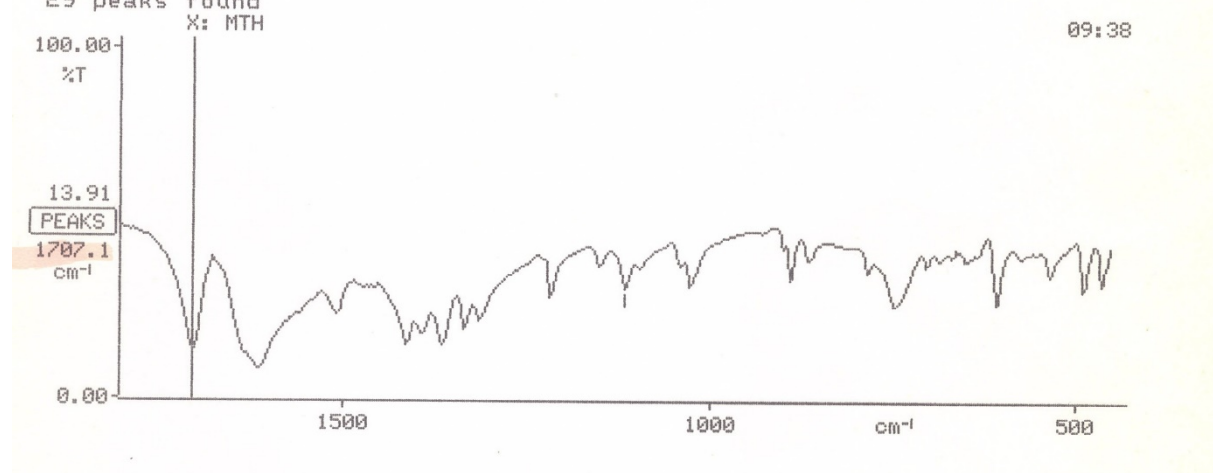
IR:



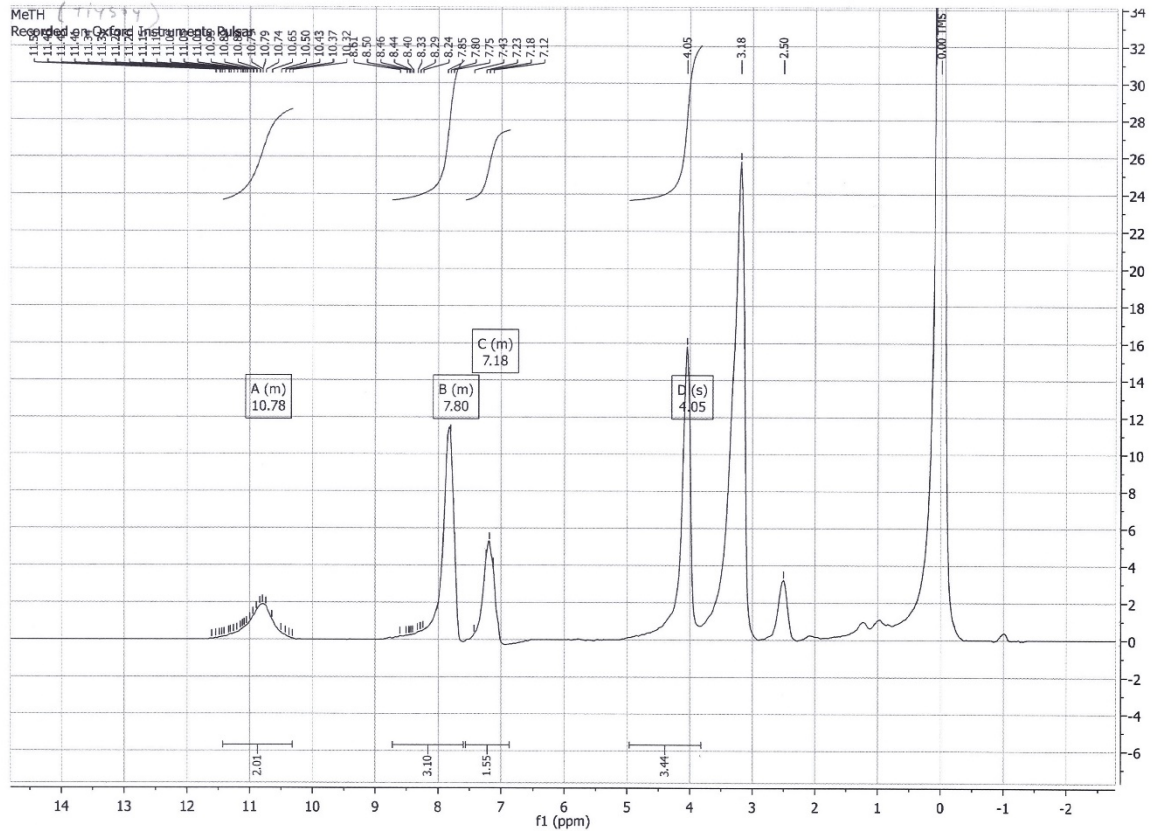
PEAK X 4400.0 450.0
 threshold 2.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
3464.1	25.05	3146.1	29.88	3080.3	30.85	2974.2	29.60
2361.5	35.93	<u>1707.1</u>	<u>13.91</u>	<u>1617.0</u>	8.63	1508.6	24.35
1415.1	15.67	1393.7	18.41	1366.9	15.63	1336.3	20.26
1315.2	22.95	1218.5	29.05	1151.0	38.26	1116.3	32.27
1027.4	32.48	890.3	34.23	864.2	39.52	784.3	36.32
746.8	26.61	704.1	38.00	686.7	39.49	649.7	39.44
607.9	27.58	574.1	40.16	535.6	35.41	489.5	30.94
465.1	32.90						

29 peaks found

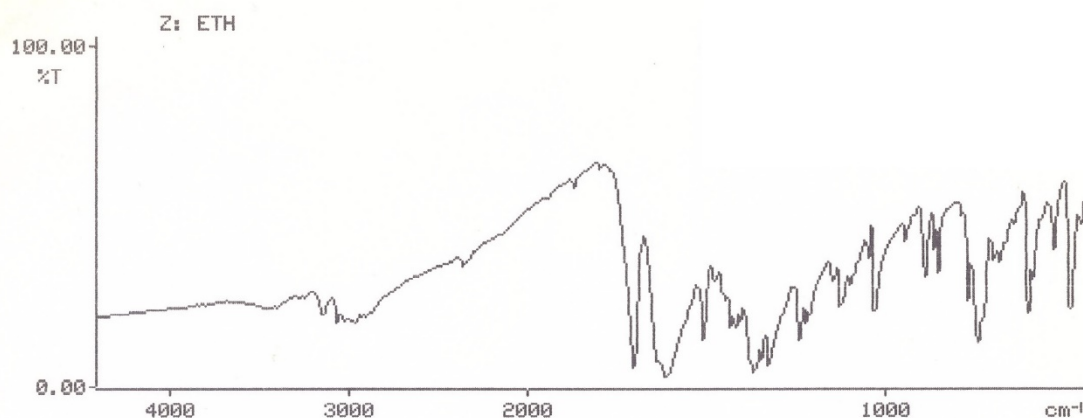


¹H NMR:



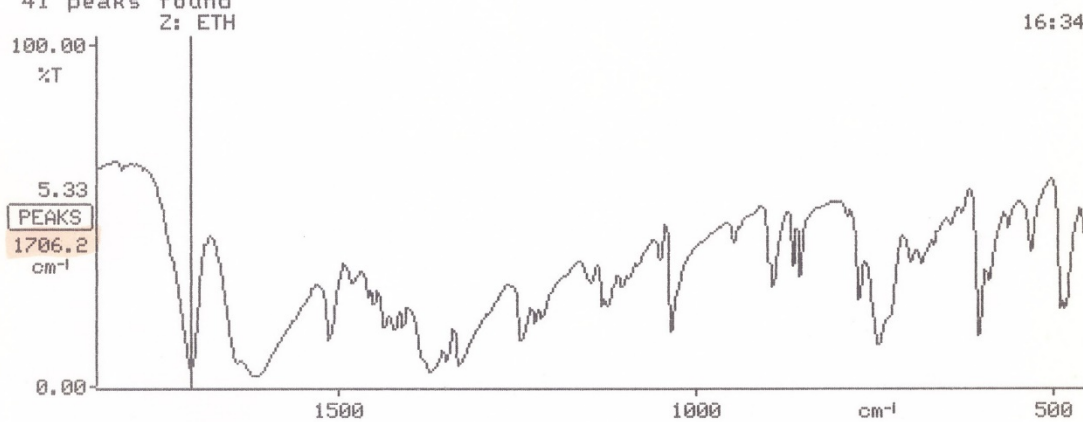
3-Ethyl-2-(2-thienylcarbonyl)hydrazono-4-thiazolidinone (2b)

IR:

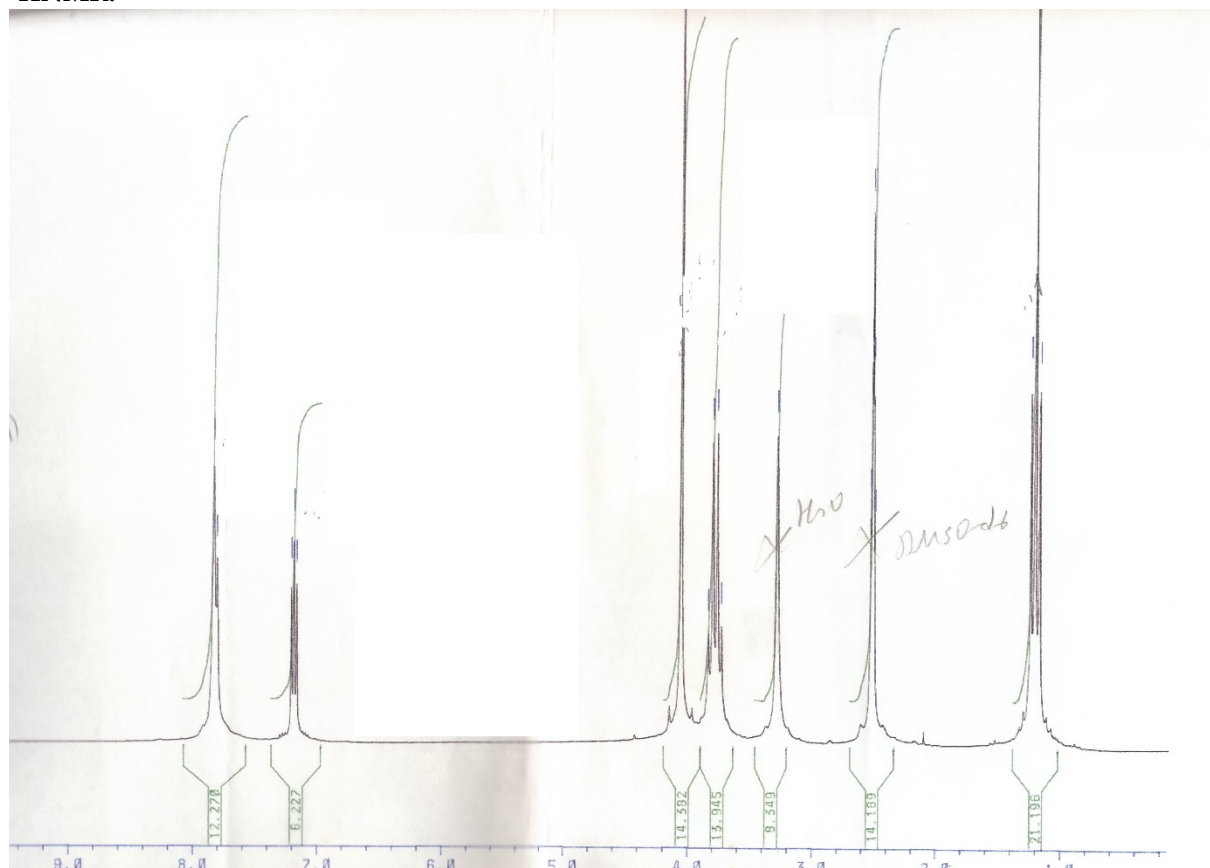


PEAK	Z	4400.0	450.0						
cm-1	%	cm-1	%	cm-1	%	cm-1	%	cm-1	%
3446.9	23.15	3148.4	20.87	3089.9	23.29	3071.0	18.13		
2970.9	16.31	2363.0	35.68	1873.8	58.41	1706.2	5.33		
1615.8	2.95	1512.8	13.64	1481.4	30.52	1451.0	23.68		
1436.1	16.52	1421.6	16.86	1410.0	16.11	1372.9	4.51		
1349.0	7.80	1331.5	6.14	1245.3	13.20	1225.7	18.77		
1216.3	19.75	1146.8	30.83	1131.6	23.43	1124.0	23.17		
1104.1	28.80	1051.1	36.81	1035.7	16.01	948.1	41.93		
893.3	28.79	865.7	33.90	855.7	32.41	773.2	25.10		
745.8	12.07	701.2	36.53	686.0	36.26	605.8	14.87		
591.9	31.33	565.7	46.74	533.2	40.08	485.3	22.75		
458.5	44.39								

41 peaks found

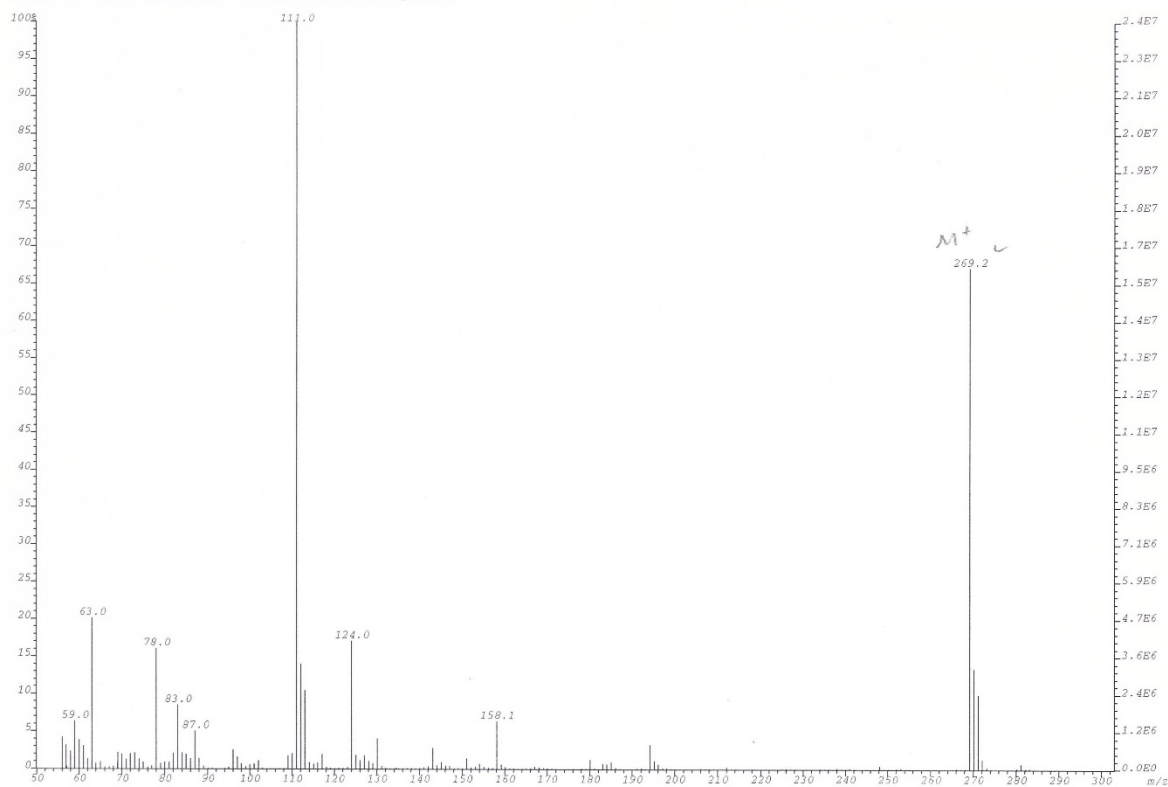


¹H NMR:



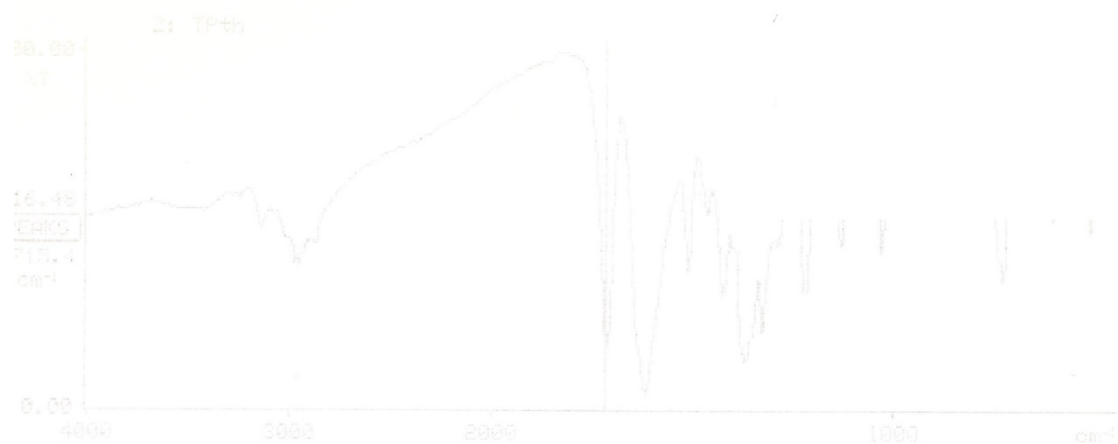
MASS:

File:UN-EK-TETH Ident:70-1_0 Win 1000PPM Acq:24-OCT-1995 15:32:32 Cal:EK-24
ZabSpec EI+ Magnet EpM:111 BpI:23725566 TIC:95837344 Flags:HALL



3-Propyl-2-(2-thienylcarbonyl)hydrazono-4-thiazolidinone (2c)

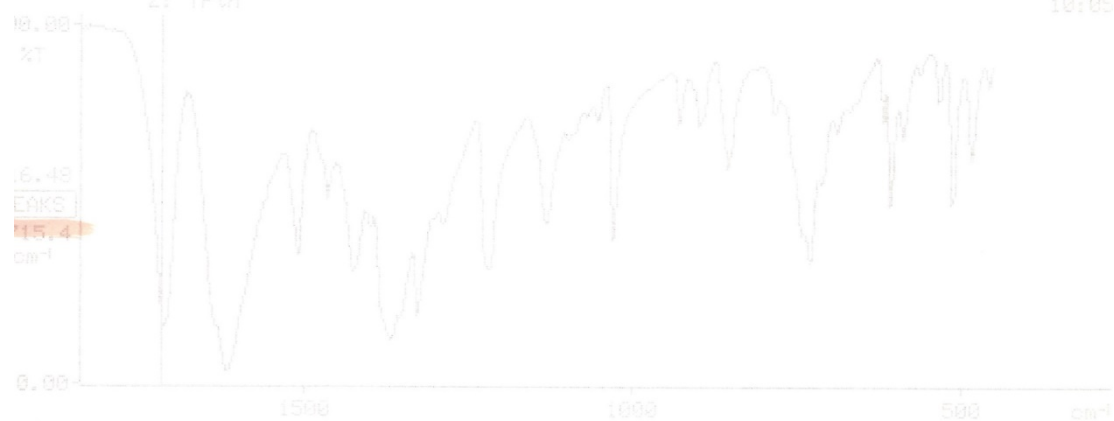
IR:



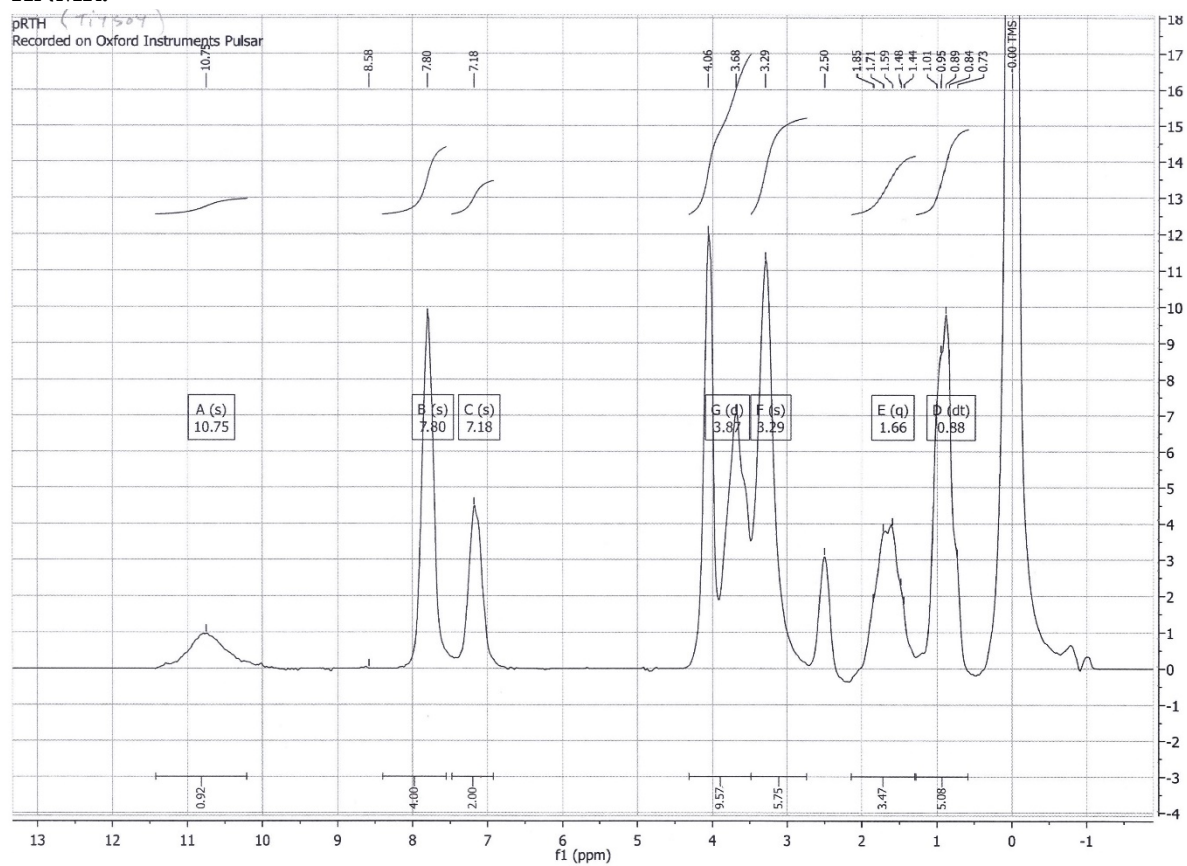
IR Z 4000.0 450.0
 threshold 2.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
3419.9	54.79	3143.0	49.90	2978.2	40.44	2951.8	36.89
1871.6	43.99	<u>1715.4</u>	16.48	<u>1616.1</u>	3.49	1510.6	35.84
1465.9	51.57	1400.1	31.77	<u>1400.1</u>	43.87	1368.2	12.48
1329.1	19.70	1288.1	45.06	1222.2	32.49	1132.7	44.64
1054.6	73.28	1031.7	40.50	930.9	72.77	899.9	71.75
857.9	69.00	785.7	73.57	731.3	33.97	713.9	55.87
690.7	70.51	620.4	73.04	609.6	50.02	589.8	68.59
564.4	86.12	534.9	77.92	514.7	47.73	486.3	62.47
459.8	83.40						

3 peaks found
 2: TPth

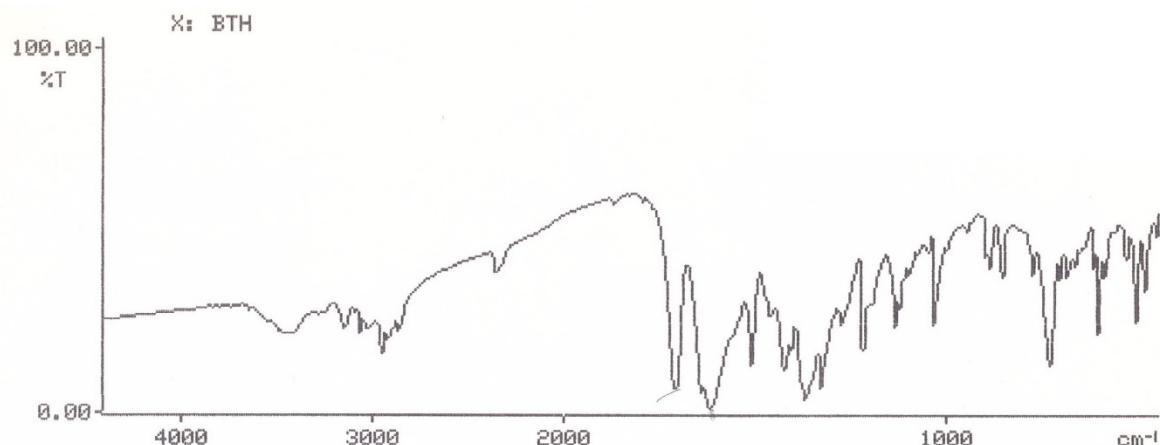


¹H NMR:



3-Butyl-2-(2-thienylcarbonyl)hydrazono-4-thiazolidinone (2d)

IR:

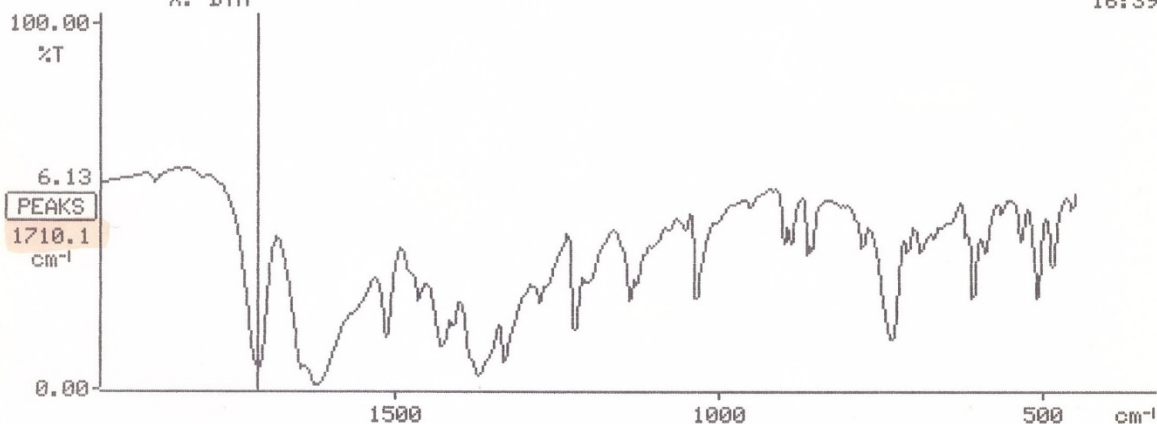


PEAK X 4400.0 450.0
 threshold 2.00%; band

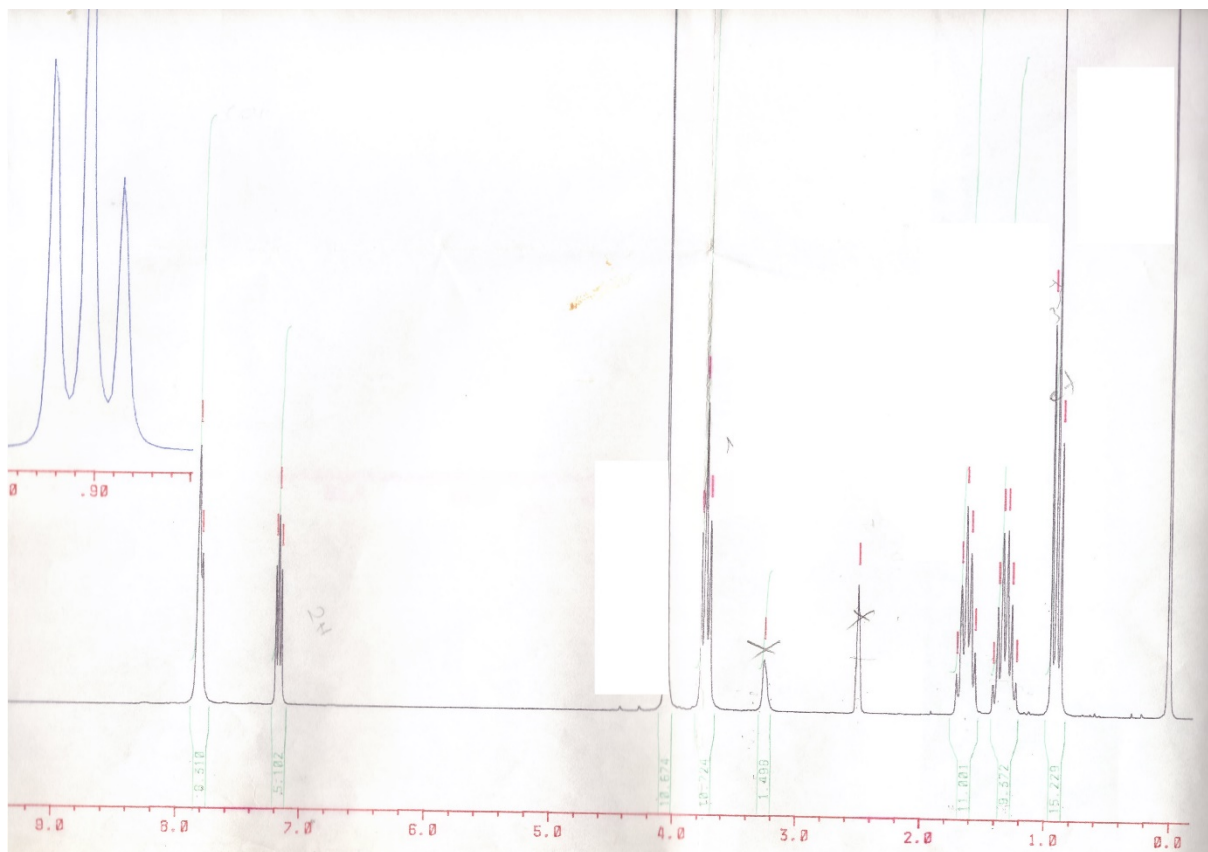
cm-1	%	cm-1	%	cm-1	%	cm-1	%
3412.0	21.55	3150.4	22.63	3075.3	20.32	3029.3	22.81
2956.0	16.01	2926.9	18.80	2871.9	22.19	2360.6	38.03
2343.2	39.68	1869.3	56.65	1710.0	5.89	1619.9	1.15
1514.0	13.03	1463.9	23.23	1427.9	11.29	1409.7	16.14
1370.9	3.38	1331.8	6.88	1276.5	23.32	1222.3	14.25
1206.0	28.38	1137.8	23.55	1126.7	27.97	1051.4	43.38
1036.0	19.06	951.9	49.03	900.0	36.40	889.3	37.86
863.8	33.51	856.3	35.24	779.8	37.29	732.7	13.03
709.7	36.35	689.7	36.70	668.1	39.29	619.8	39.15
609.4	20.15	590.0	36.52	564.4	46.73	535.0	39.19
509.8	22.72	487.6	30.61	457.4	47.94		

43 peaks found
 X: BTH

16:39

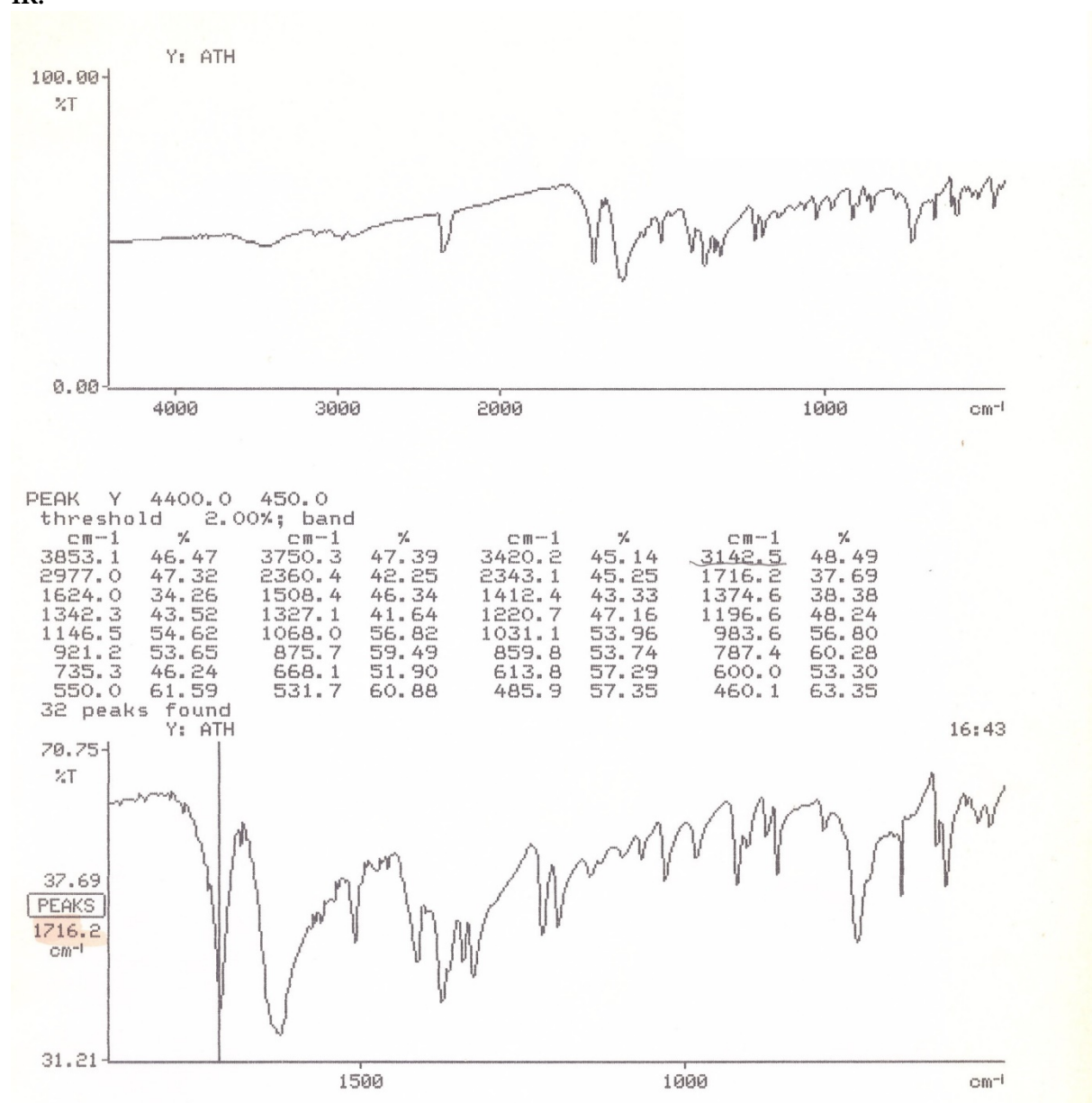


¹H NMR:

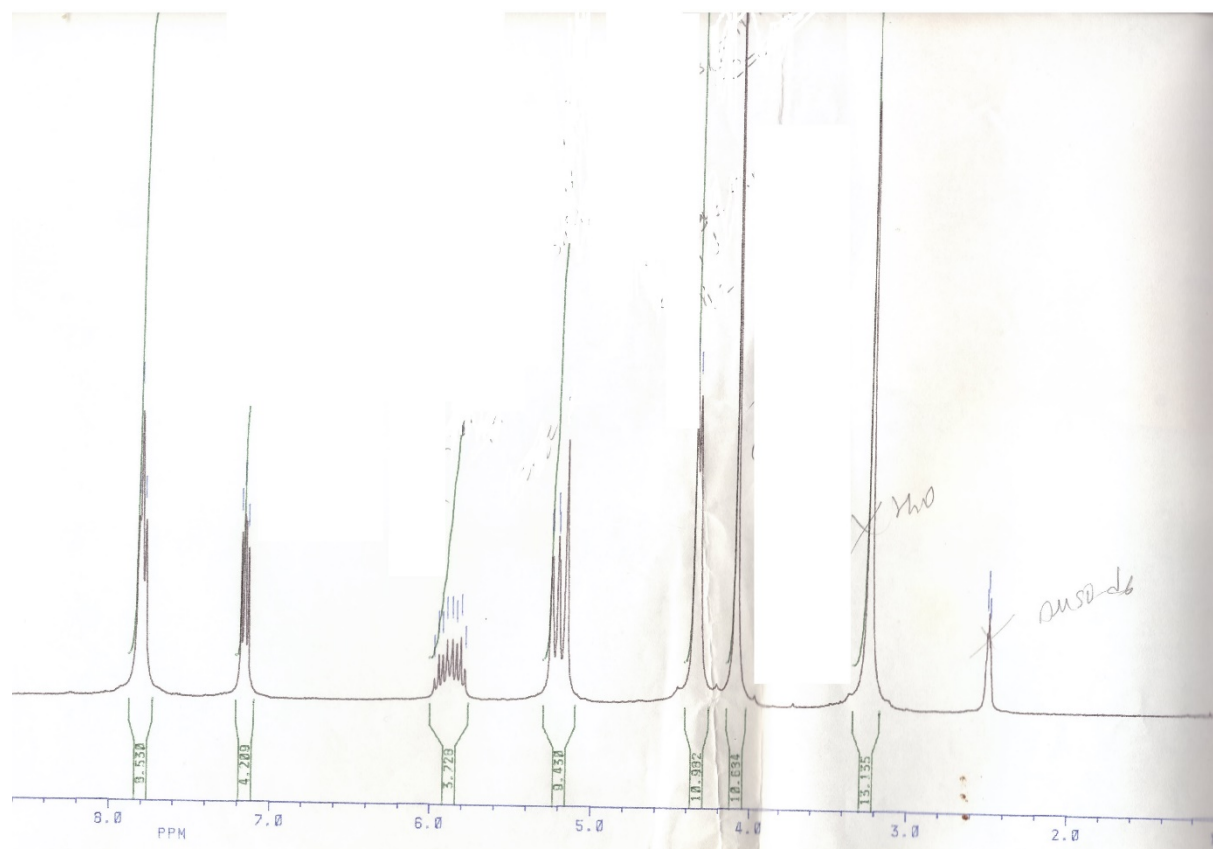


3-Allyl-2-(2-thienylcarbonyl)hydrazono-4-thiazolidinone (2e)

IR:

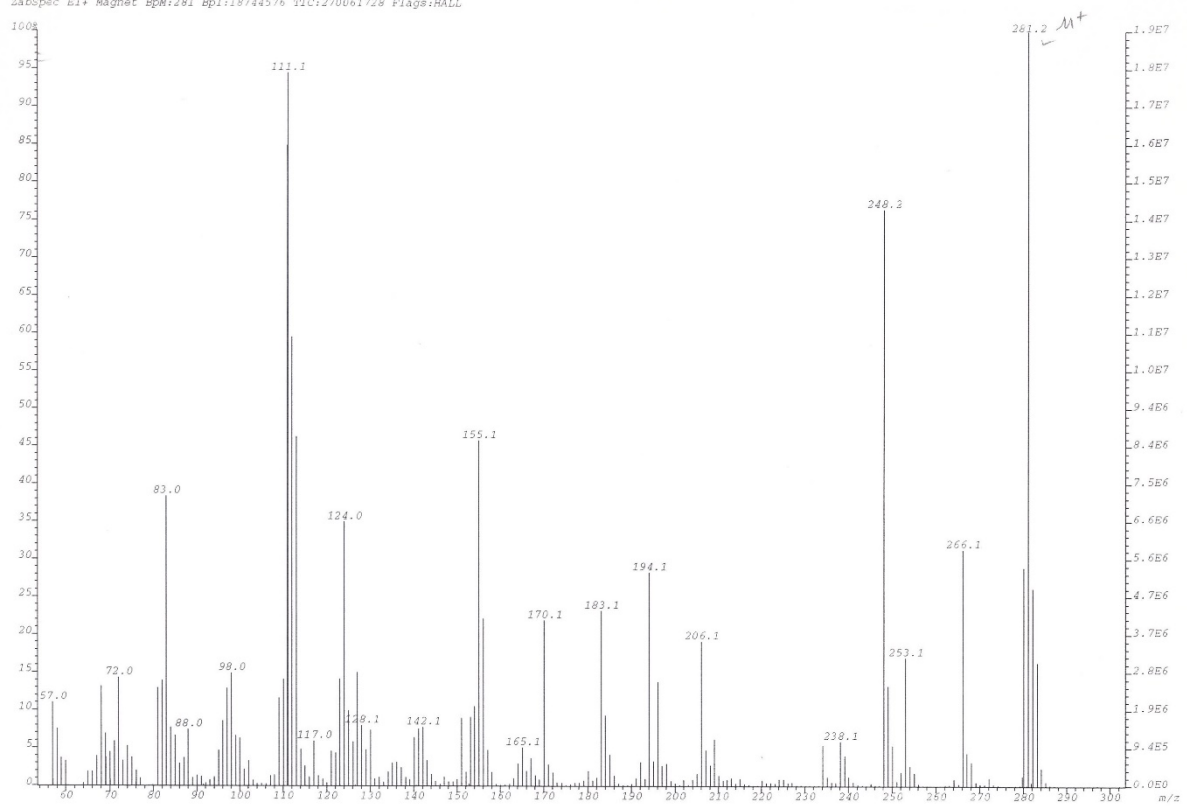


¹H NMR:



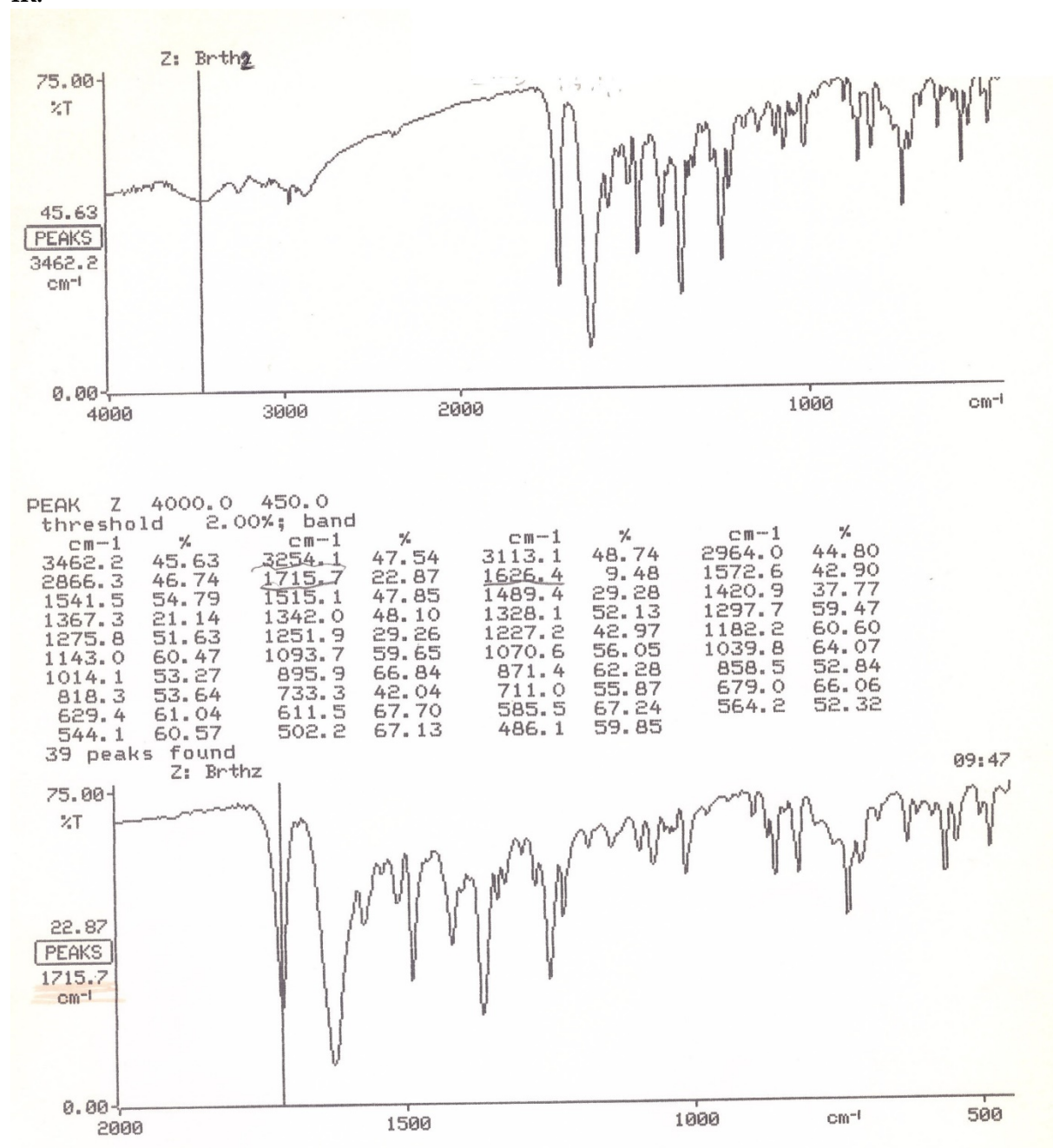
MASS:

File:UN-EK-TATH Ident:57_62-5_11 Win 1000PPM Acq:24-OCT-1995 14:56:07 +2:57 Cal:EK-24
SubSpec EI+ Magnet BpM:281 BpI:18744576 TIC:270061728 Flags:HALL

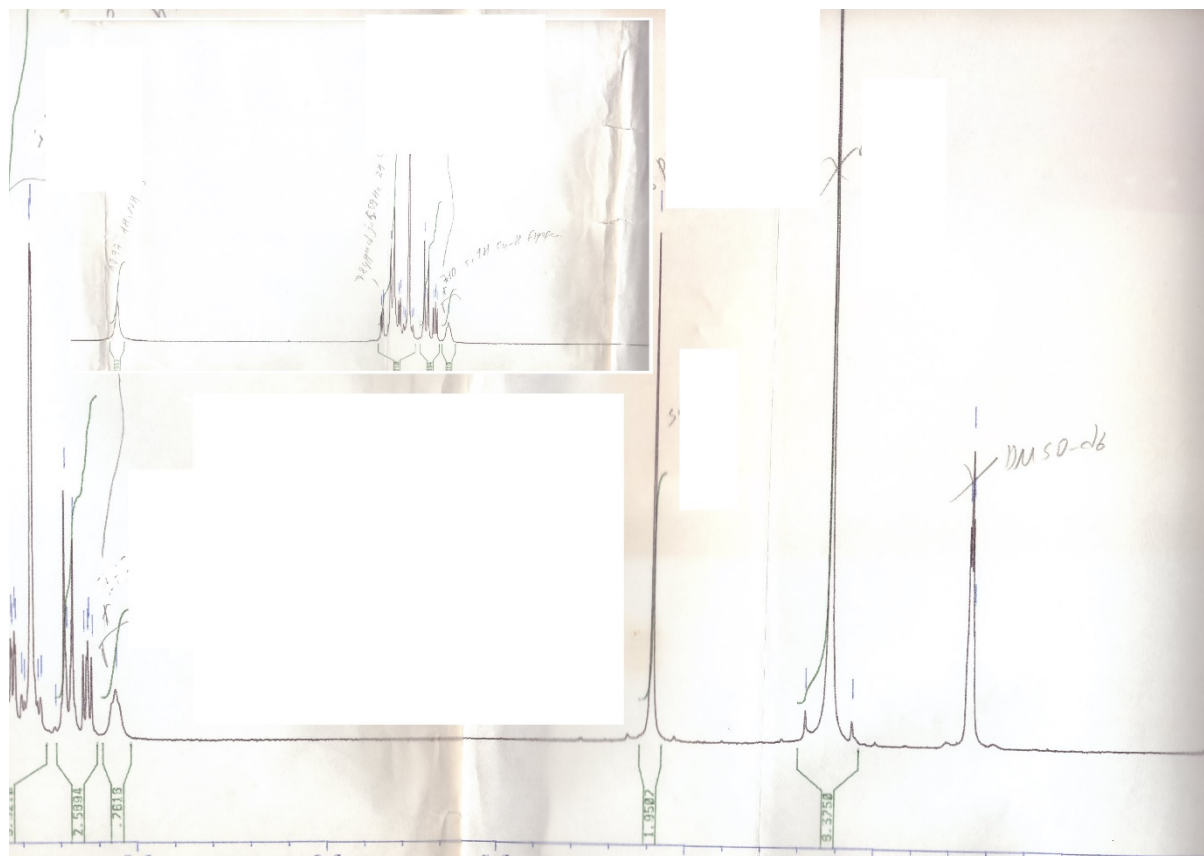


3-(4-Bromophenyl)-2-(2-thienylcarbonyl)hydrazono-4-thiazolidinone (2f)

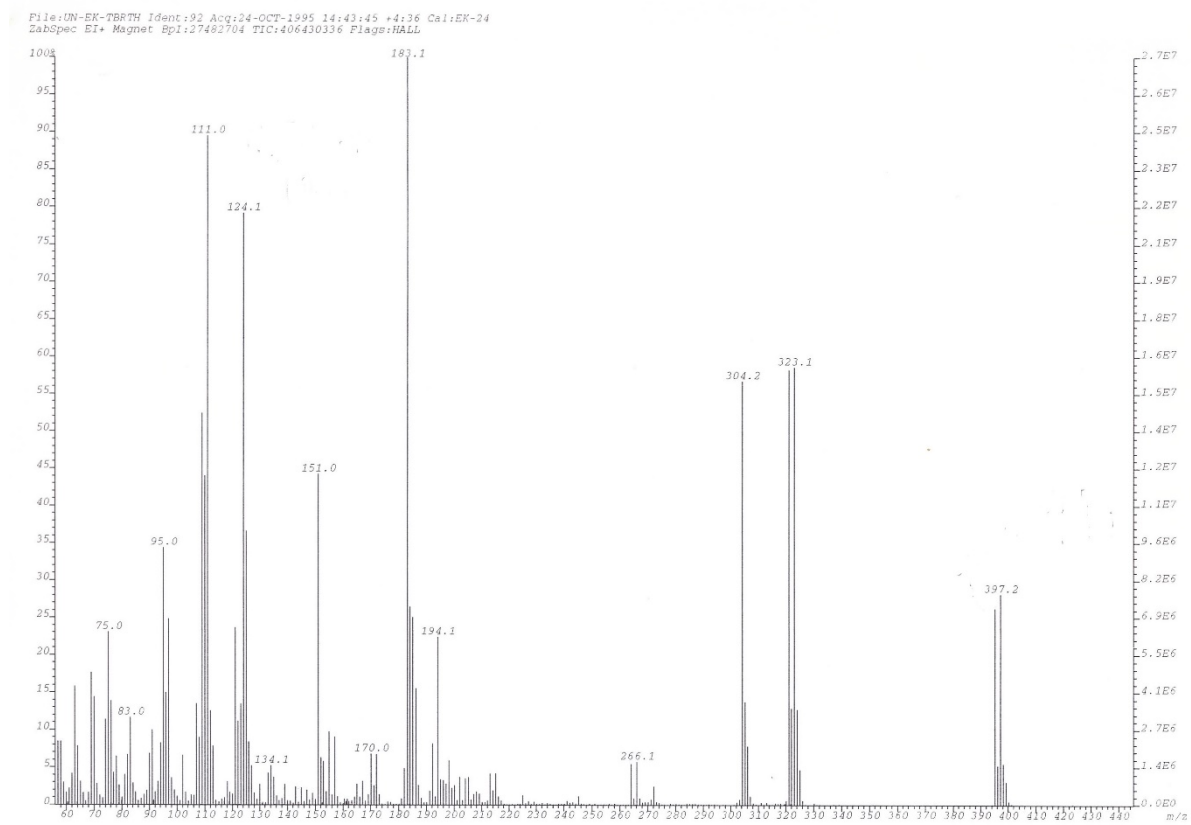
IR:



¹H NMR:

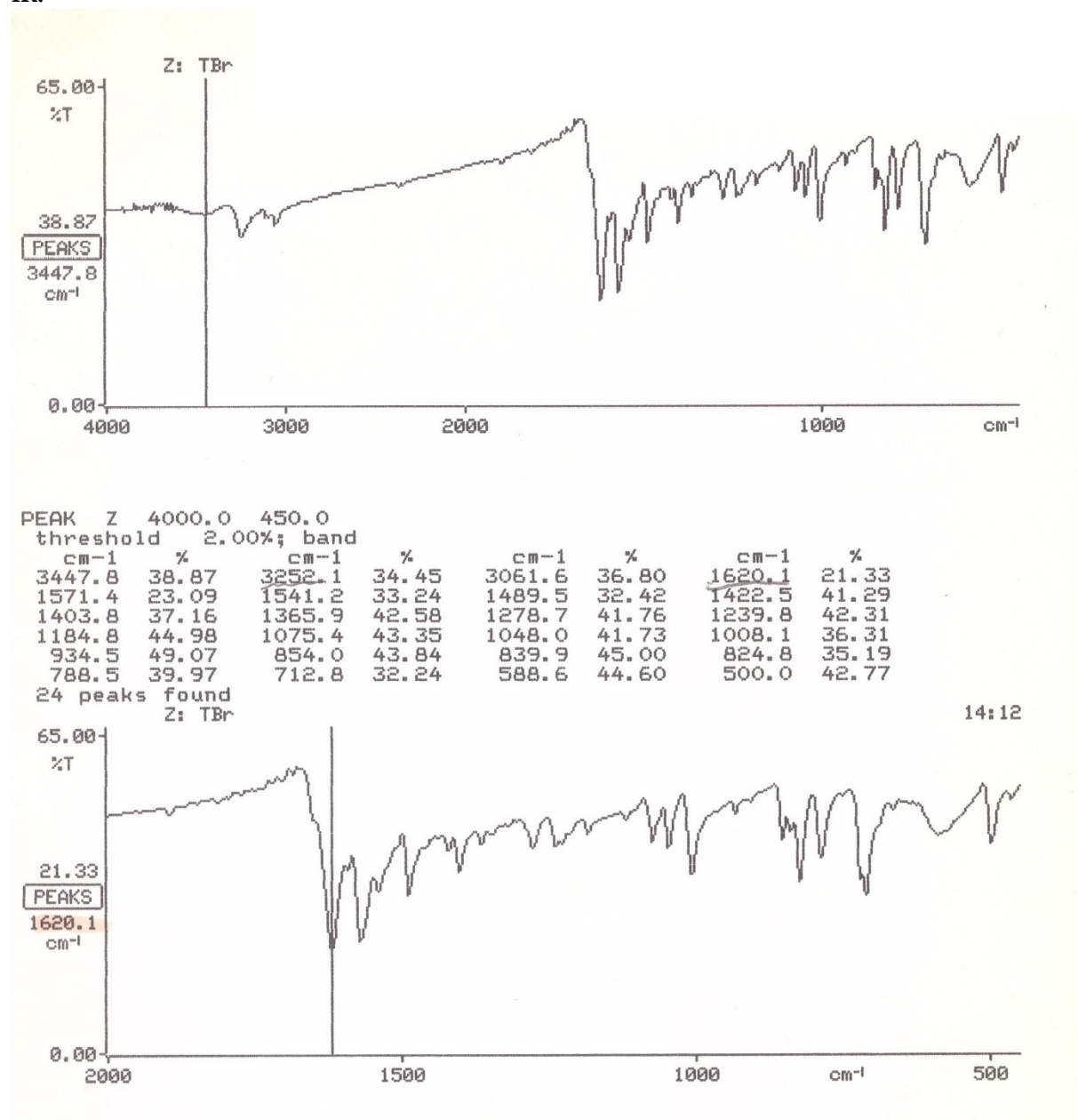


MASS:

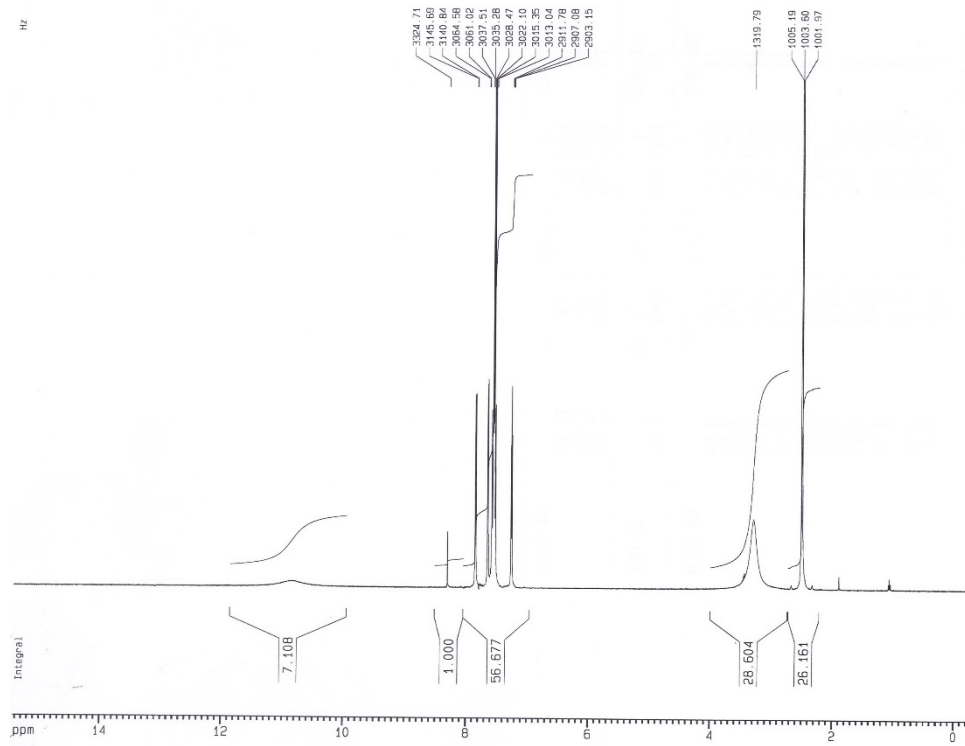


2-(2-thienyl)-5-[(4-bromophenyl)amino]-1,3,4-oxadiazole (3)

IR:



¹H NMR:



Current Data Parameters

NAME 980460
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

Date_ 980602
 Time 14.38
 INSTRUM spect
 PROBHD 5 mm QNP 1H
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 12
 DS 2
 SWH 6613.757 Hz
 FIDRES 0.201836 Hz
 AQ 2.4773109 sec
 RG 574.7
 DW 75.600 usec
 DE 4.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 P1 9.80 usec
 DE 4.50 usec
 SF01 400.1331194 MHz
 NUC1 1H
 PL1 -6.00 dB

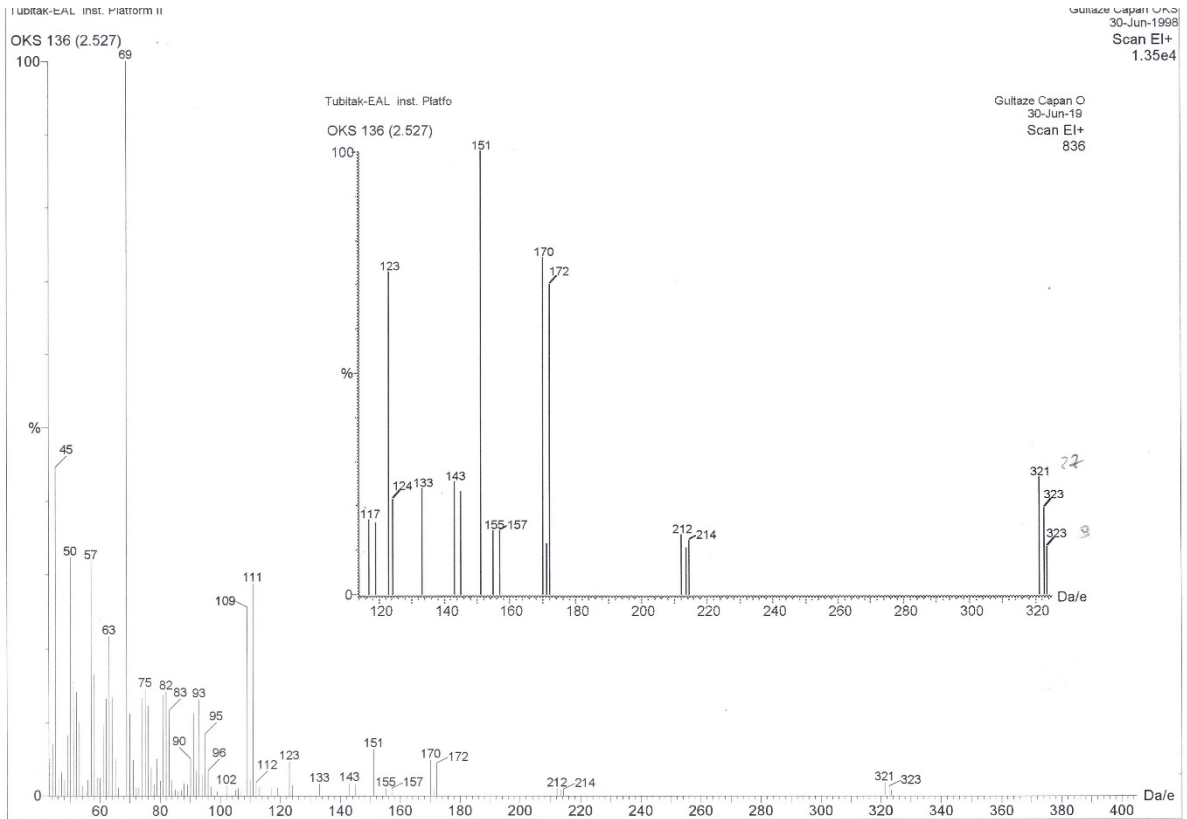
F2 - Processing parameters

SI 16384
 SF 400.1300000 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters

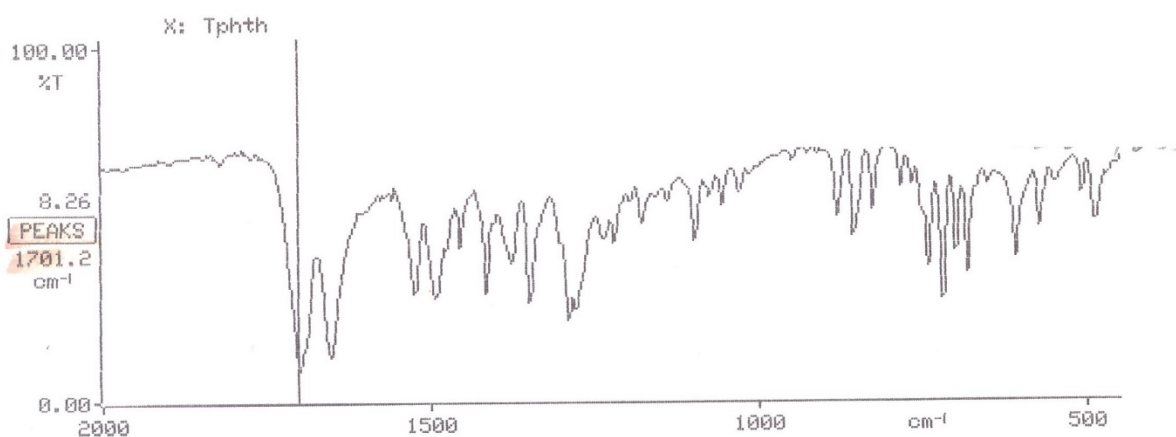
CX 22.00 cm
 F1P 15.428 ppm
 F1 6173.29 Hz
 F2P -0.251 ppm
 F2 -100.45 Hz
 PPMCM 0.71269 ppm/
 HZCM 285.16968 Hz/c

MASS:



2-Phenyl-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5a)

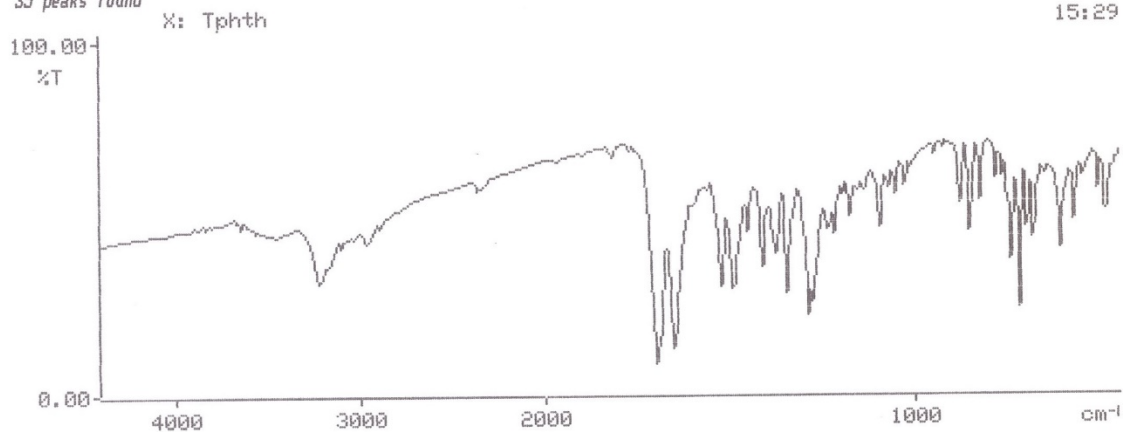
IR:



PEAK X 2000.0 450.0
threshold 2.00%; band

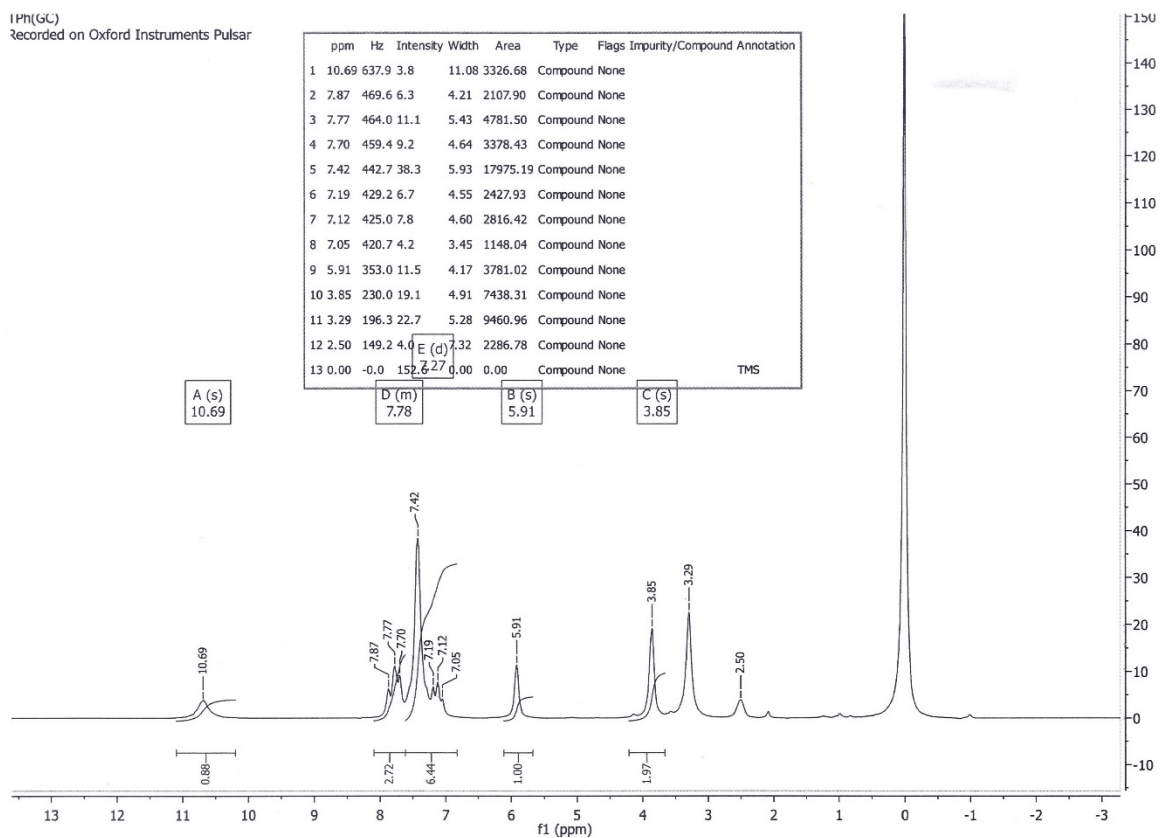
cm ⁻¹	%	cm ⁻¹	%	cm ⁻¹	%	cm ⁻¹	%
1819.8	67.29	1701.2	8.26	1653.6	12.39	1525.4	30.46
1492.7	29.30	1456.2	43.10	1416.2	29.29	1377.5	39.38
1350.2	27.70	1290.5	22.64	1279.8	25.05	1239.3	46.28
1220.8	44.58	1179.5	50.20	1140.0	56.51	1098.3	45.10
1074.8	57.61	1056.4	55.80	1030.6	59.12	949.3	67.72
881.1	52.49	856.0	45.66	826.9	54.10	784.6	60.53
767.8	61.08	742.6	36.83	720.0	23.60	700.1	38.04
682.5	35.30	651.9	61.43	609.6	40.11	573.5	48.81
548.7	61.37	508.2	56.79	487.9	50.70		

35 peaks found



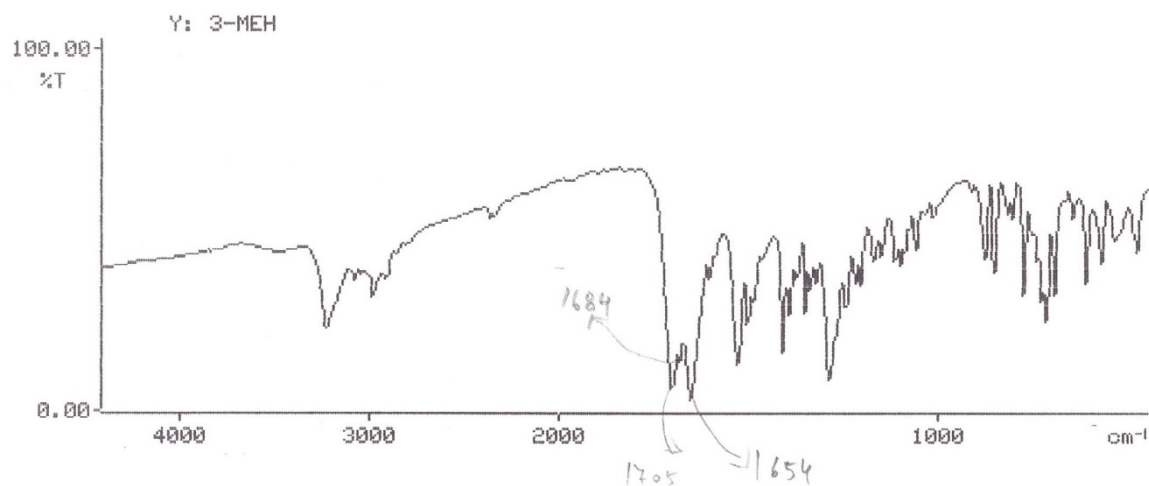
¹H NMR:

1Ph(GC)
Recorded on Oxford Instruments Pulsar



2-(3-Methylphenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5b)

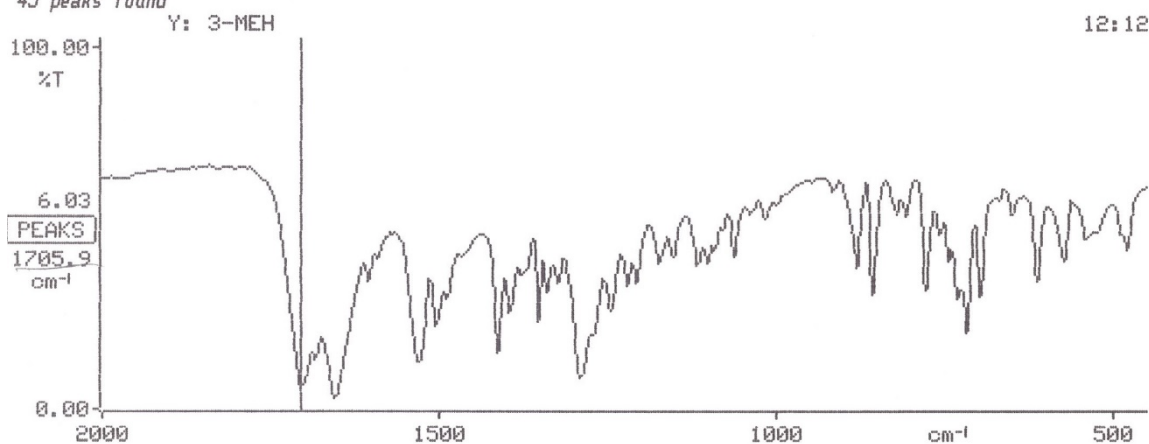
IR:



PEAK Y 4400.0 450.0
threshold 2.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
3228.9	22.47	3087.9	34.42	2987.3	31.44	2915.8	36.31
2362.7	53.52	2343.7	54.22	1705.9	6.03	1684.4	13.41
1654.8	2.97	1605.8	35.60	1531.7	12.71	1505.8	22.87
1488.7	30.28	1414.3	15.54	1396.4	26.44	1379.3	36.89
1353.9	24.31	1341.5	32.25	1324.3	34.65	1290.4	8.58
1246.0	27.35	1221.8	34.32	1208.0	35.14	1175.2	40.25
1153.0	42.20	1117.6	39.37	1102.2	40.67	1063.6	41.82
1017.6	53.09	915.8	60.45	881.1	39.05	858.4	30.20
821.7	53.99	807.7	53.32	779.4	31.16	757.3	48.60
745.1	41.42	731.9	30.19	718.2	21.41	698.0	31.25
650.0	53.81	613.6	34.32	573.8	41.03	541.4	46.79
480.0	43.99						

45 peaks found



2-(4-Methylphenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5c)

IR:



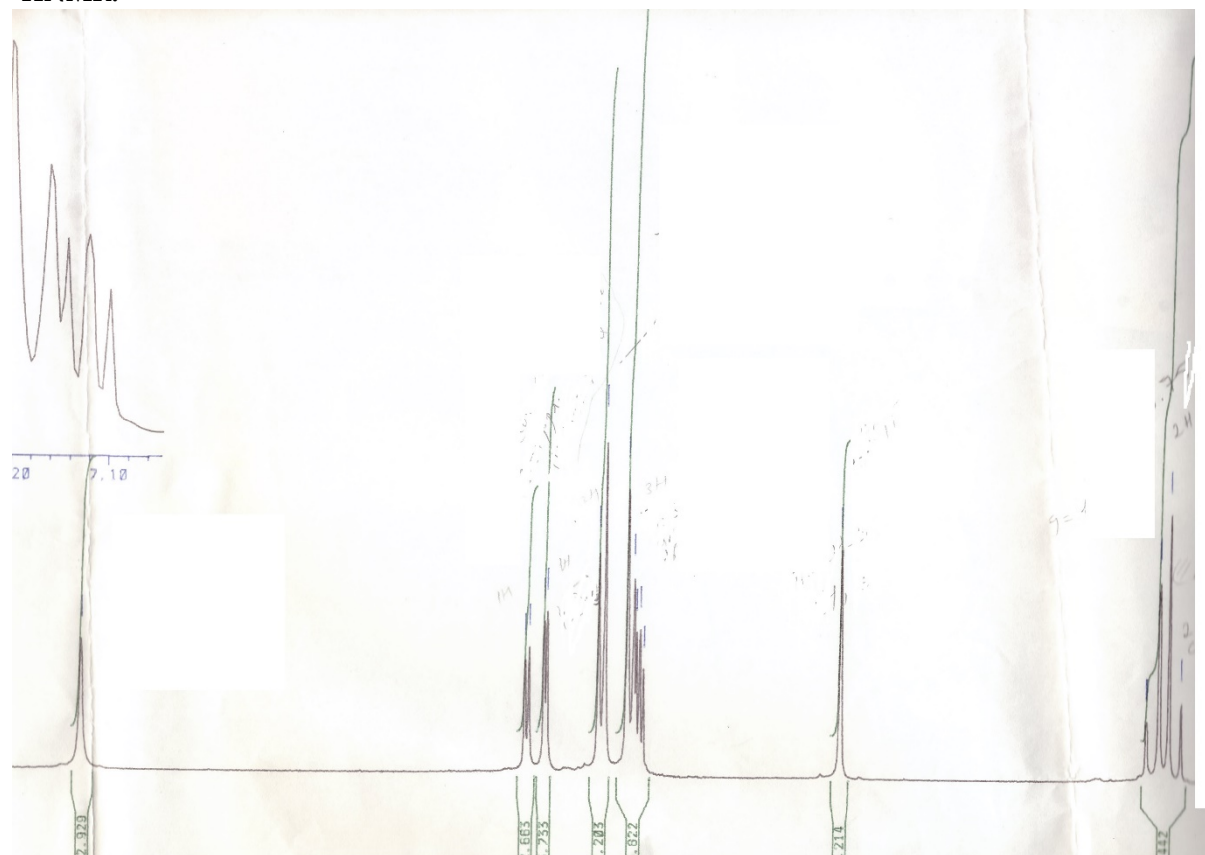
PEAK 7 4400.0 450.0
threshold 0.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
3682.1	41.36	3680.0	43.06	3600.1	43.71	3749.7	43.46
3743.5	44.00	3734.0	43.54	3710.1	44.03	3589.2	44.15
3679.1	43.19	3646.0	43.13	3627.9	42.34	3541.0	41.15
3105.4	38.27	2943.2	41.09	2353.1	41.32	2341.9	44.03
1761.5	7.12	1653.0	11.03	1558.5	45.50	1525.3	37.13
1487.0	25.71	1417.0	25.53	1376.2	34.15	1352.6	31.55
1338.3	32.02	1259.2	24.50	1237.3	41.59	1219.7	42.10
1180.0	42.63	1139.1	49.50	1111.9	48.76	1095.6	38.53
1054.7	49.89	1032.2	49.94	881.9	47.73	853.5	43.65
838.3	46.16	803.2	42.14	789.4	46.41	772.0	52.33
743.8	42.33	720.9	27.33	686.1	46.76	653.6	51.31
589.3	49.92	574.0	43.93	548.5	42.84	518.0	41.66
491.4	43.15						

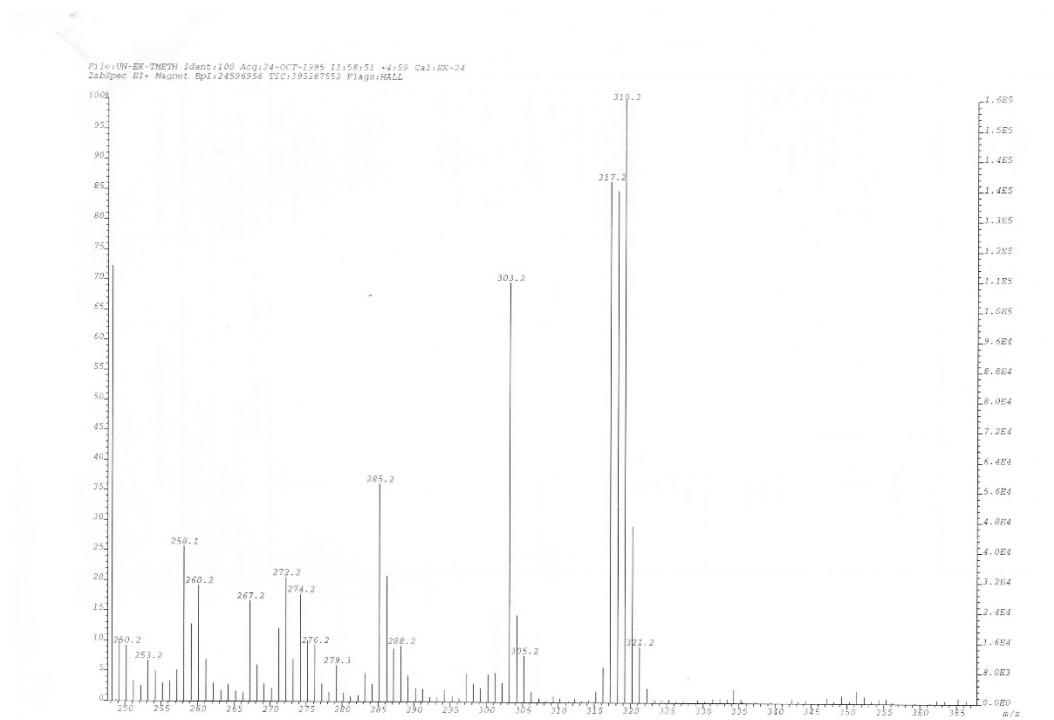
49 peaks found



¹H NMR:



MASS:



2-(4-Methoxyphenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5d)

IR:

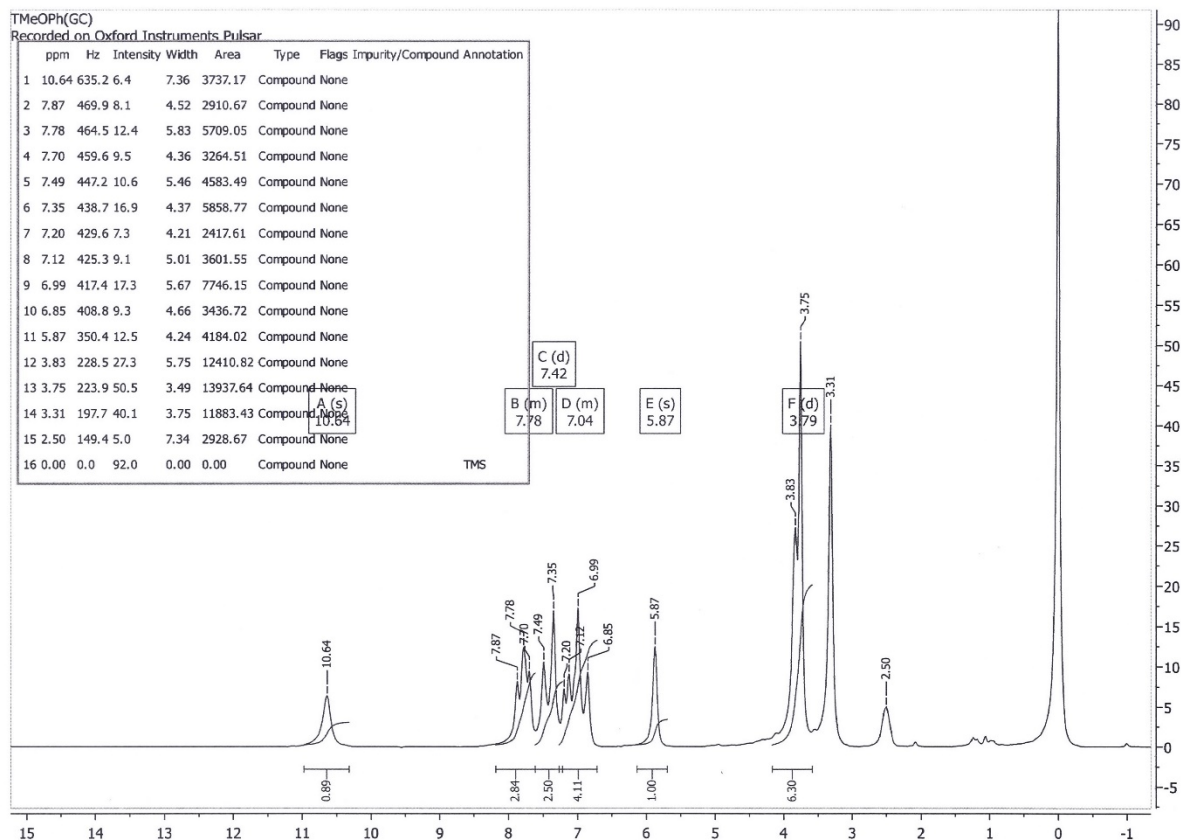


IR Spectrum Data Table:

Wavenumber (cm⁻¹)	Intensity	Assignment
3430.2	45.73	OH
3000.0	21.72	CH
2956.2	49.74	CH
2823.1	31.89	CH
1702.1	20.07	C=O (1700)
1604.3	36.48	C=C
1418.2	40.88	C=C
1371.4	37.85	C=C
1167.5	37.82	C=C
1024.8	18.07	C-O
816.7	53.73	C=C
796.8	34.21	C-O
594.5	58.73	C-S
486.0	29.53	C-S



¹H NMR:



2-(4-Fluorophenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5e)

IR:

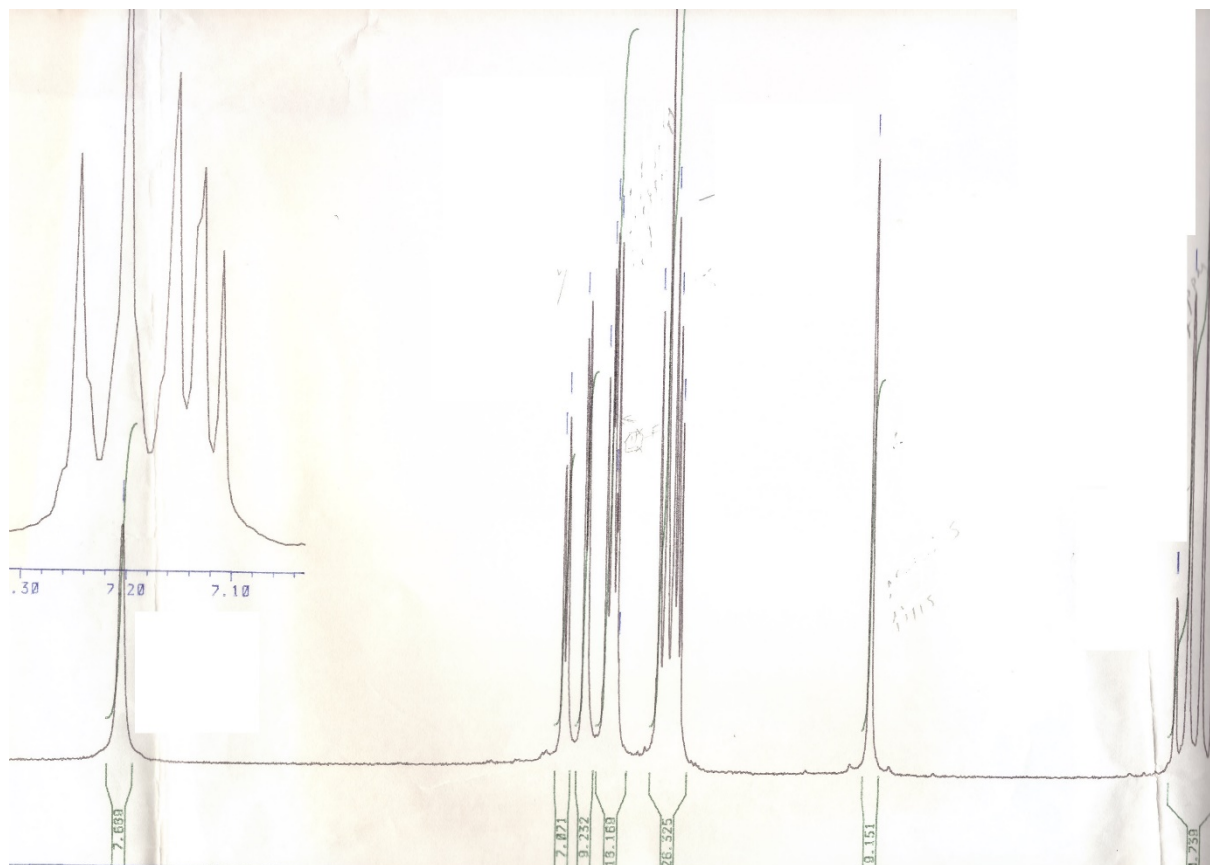


PEAK Z 4409.0 430.0
 threshold 2.00%, band

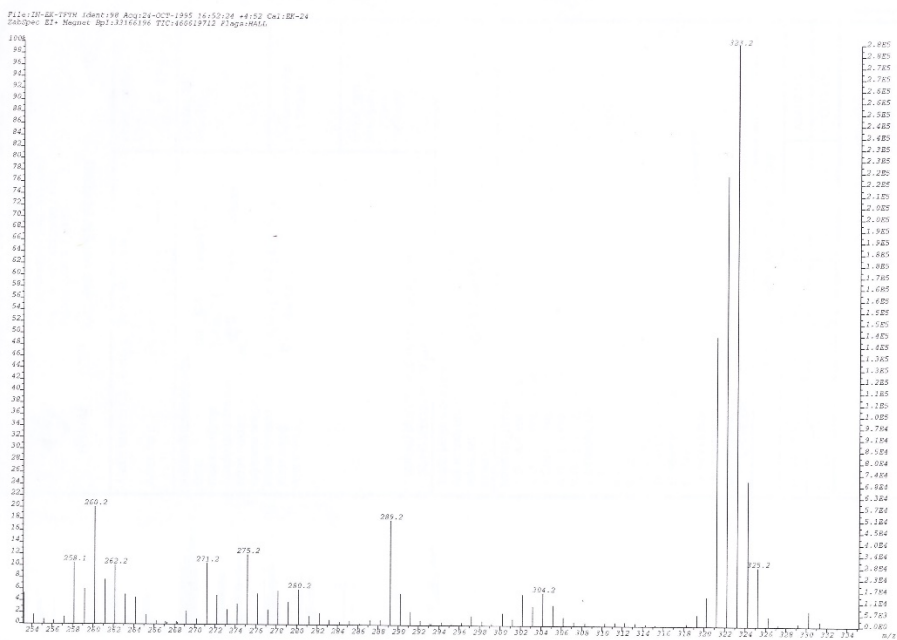
cm-1	%	cm-1	%	cm-1	%	cm-1	%
3467.0	72.74	3000.0	16.63	2997.1	57.67	2331.6	78.56
3000.0	14.43	2997.1	11.35	1803.8	49.59	1534.6	48.01
2997.1	86.56	2415.5	49.26	1394.1	43.26	1354.0	35.14
2331.6	68.58	1899.3	32.77	1228.6	29.35	1158.6	62.46
1899.3	60.90	1068.5	79.55	1014.1	81.39	983.8	84.68
1068.5	84.00	848.9	50.79	799.9	66.65	774.0	84.68
799.9	51.59	715.8	47.01	694.5	81.17	577.0	71.59
577.0	88.73	523.2	65.38	463.5	60.60		



¹H NMR:

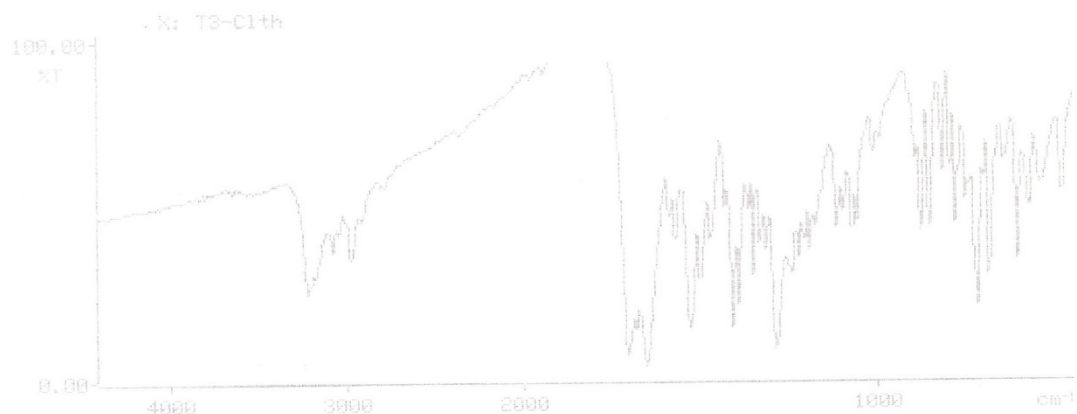


MASS:



2-(3-Chlorophenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5f)

IR:

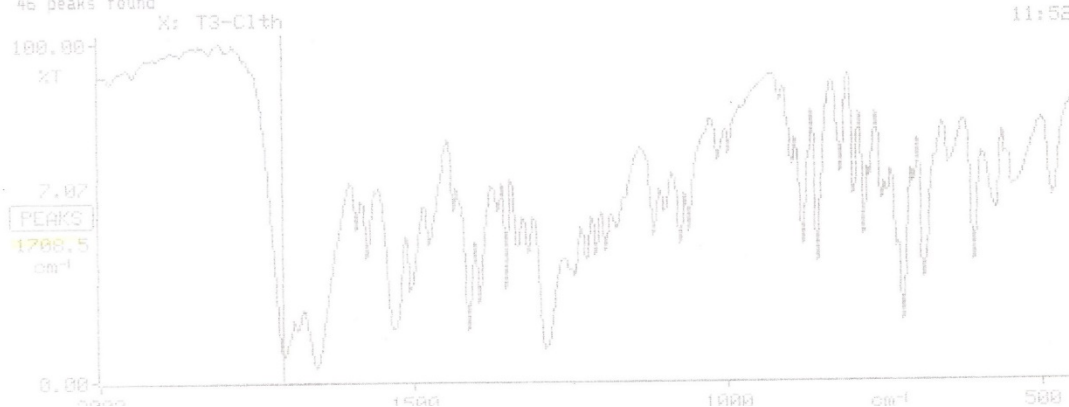


PEAK Y 4400.0 450.0
 threshold 2.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
3223.8	15.23	3086.1	22.34	2972.7	20.72	1708.5	4.21
1635.5	2.44	1592.9	26.81	1575.5	21.91	1532.1	9.15
1505.6	15.66	1476.5	24.12	1437.8	29.70	1414.0	8.98
1396.6	13.39	1367.4	29.91	1354.1	16.50	1335.9	23.24
1318.7	22.41	1290.4	5.95	1244.3	18.45	1226.2	21.03
1210.9	21.88	1193.6	22.81	1177.9	26.67	1118.2	25.46
1101.5	29.41	1075.3	24.08	1062.6	26.36	1016.4	39.10
999.0	39.93	917.1	49.15	898.2	37.45	880.8	23.98
858.2	19.60	820.4	36.47	799.8	30.28	783.8	24.82
755.7	31.61	746.2	32.34	722.2	10.28	704.1	34.30
689.8	15.75	647.9	38.22	608.4	20.36	572.7	30.00
547.7	33.64	482.1	32.60				

46 peaks found

11:52



2-(4-Chlorophenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5g)

IR:

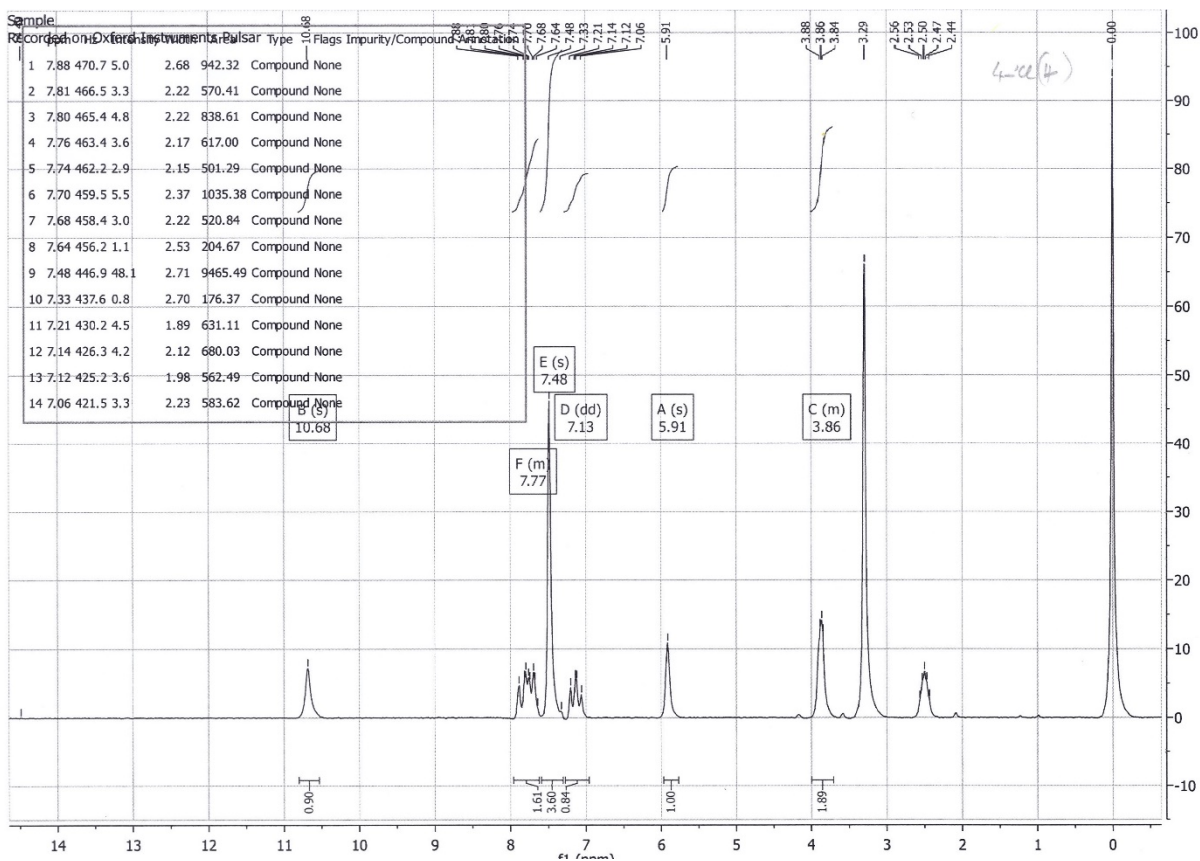


Peak List

Wavenumber (cm⁻¹)	Intensity	Assignment
3300.0	1000.0	N-H stretch
3000.0	1000.0	Aromatic C-H stretch
2900.0	1000.0	Aliphatic C-H stretch
1680.0	1000.0	Amide C=O stretch
1650.0	1000.0	Thiophene C=C stretch
1550.0	1000.0	Amide N-H bend
1450.0	1000.0	Thiophene C-S stretch
1380.0	1000.0	Amide C-N stretch
1280.0	1000.0	Thiophene C-S stretch
1100.0	1000.0	Amide C-N stretch
700.0	1000.0	Thiophene C-S stretch



¹H NMR:



2-(4-Bromophenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (5h)

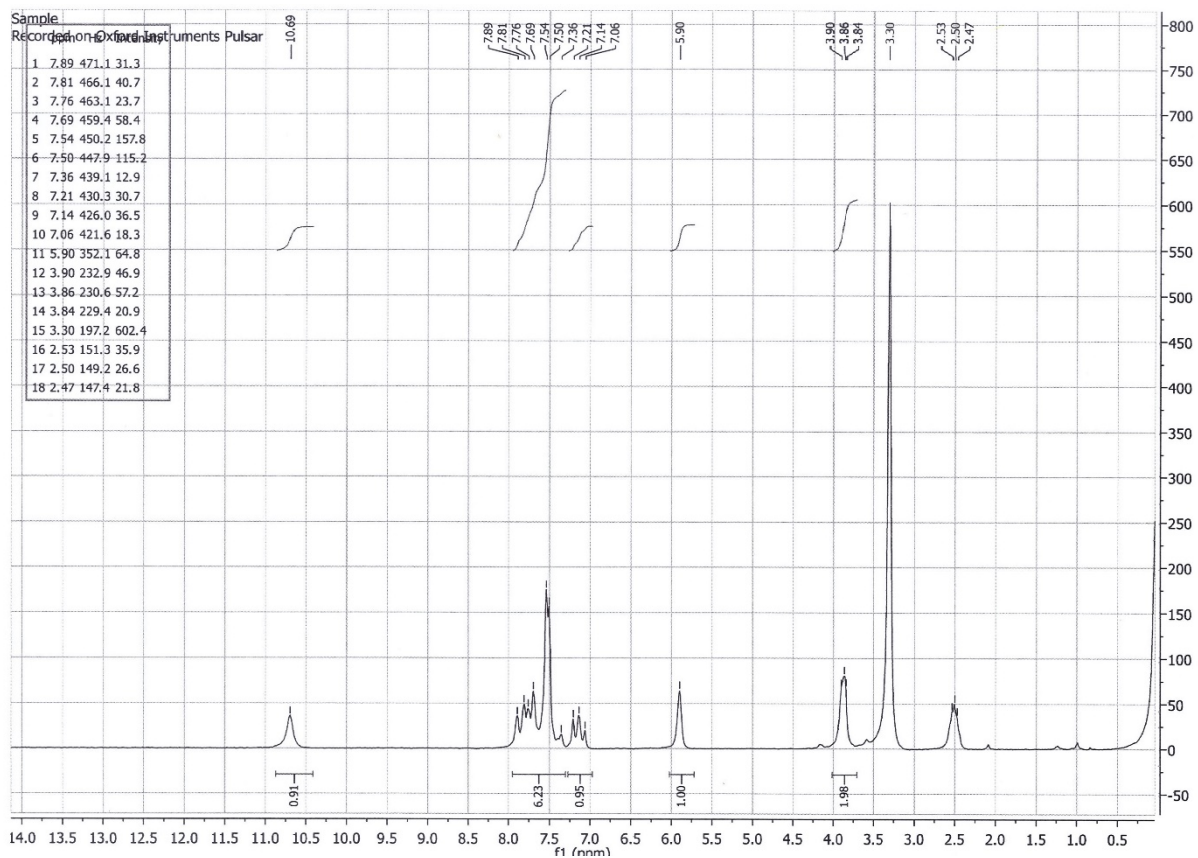
IR:



Wavenumber (cm⁻¹)	Assignment	Wavenumber (cm⁻¹)	Assignment
3400.0	OH	1510.0	C=O
3000.0	CH	1450.0	C=C
2900.0	CH	1380.0	C-N
1650.0	C=O	1280.0	C-S
1510.0	C=O	1100.0	C-N
1450.0	C=C	1050.0	C-N
1380.0	C-N	1000.0	C-N
1280.0	C-S	950.0	C-N
1100.0	C-N	900.0	C-N
1050.0	C-N	850.0	C-N
1000.0	C-N	800.0	C-N
950.0	C-N	800.0	C-N
900.0	C-N	750.0	C-N
850.0	C-N	700.0	C-N
800.0	C-N	650.0	C-N
750.0	C-N	600.0	C-N
700.0	C-N	550.0	C-N
650.0	C-N	500.0	C-N
600.0	C-N	450.0	C-N
550.0	C-N	400.0	C-N

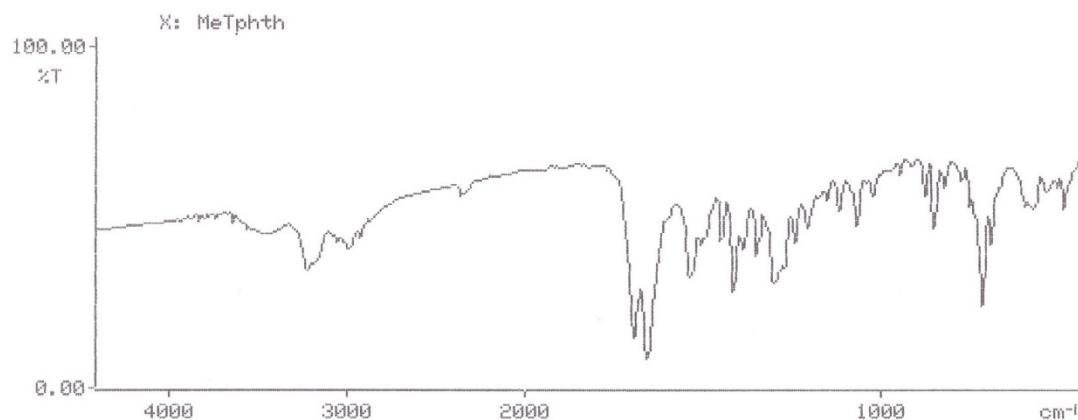


¹H NMR:



5-Methyl-2-phenyl-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6a)

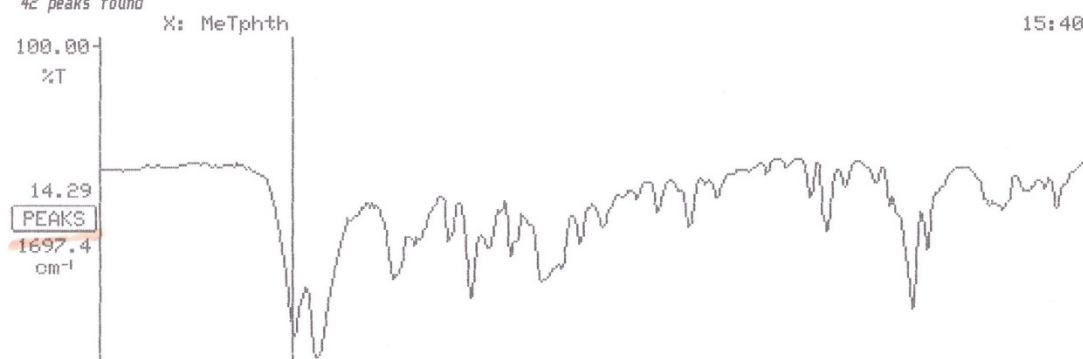
IR:



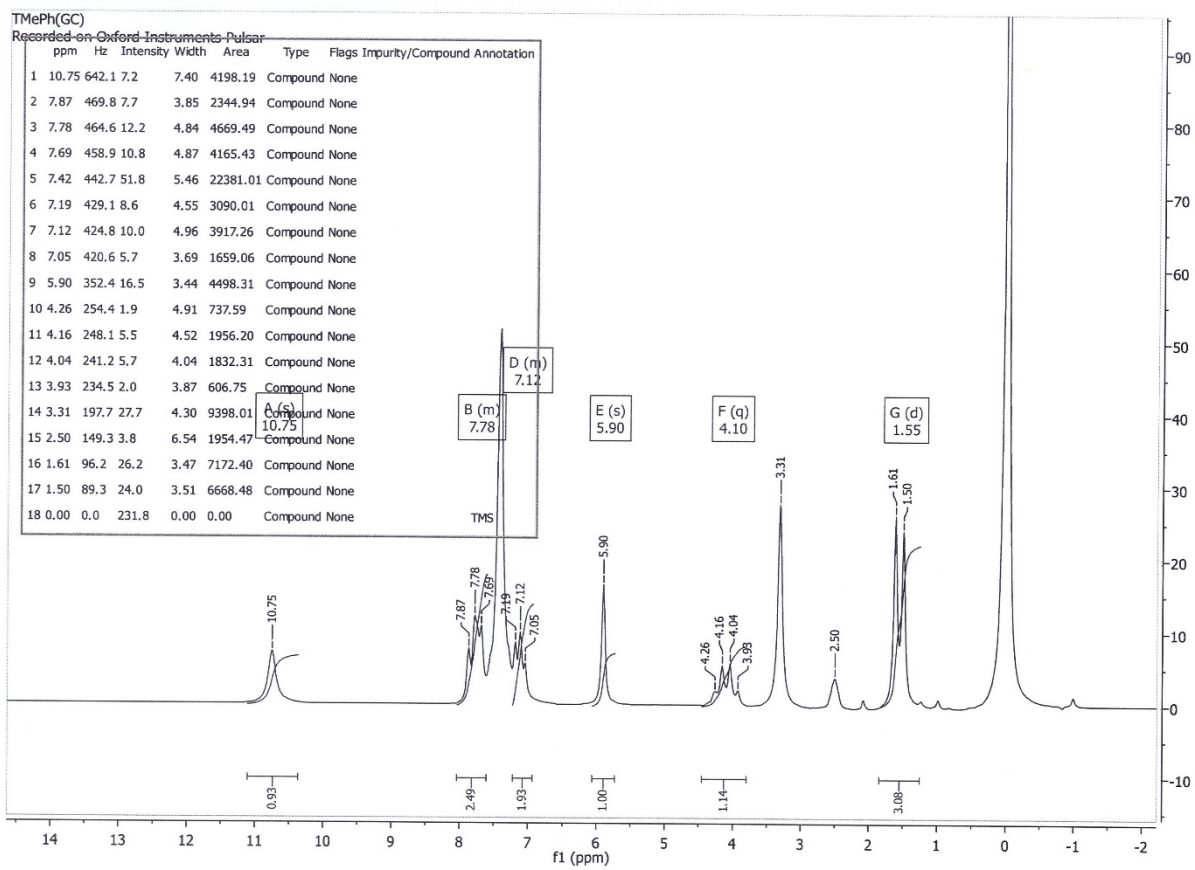
PEAK X 4400.0 450.0
threshold 2.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
3852.0	46.94	3819.9	48.83	3800.0	49.28	3749.6	49.02
3733.8	49.45	3709.9	49.81	3687.9	49.79	3674.1	49.11
3647.8	48.53	3627.7	48.30	3446.0	45.14	3228.6	34.89
3000.8	40.84	2361.0	56.48	1697.4	14.29	1661.1	8.73
1539.8	32.05	1506.4	41.98	1453.8	43.17	1417.6	26.16
1388.8	40.55	1354.7	38.61	1305.2	31.30	1244.8	42.67
1208.1	47.21	1155.6	55.36	1122.0	51.59	1071.4	47.03
1028.2	55.36	949.2	62.84	917.9	64.69	880.1	55.87
853.7	46.36	825.6	59.12	776.8	60.03	755.6	53.44
718.6	23.07	694.7	40.48	574.5	52.60	539.7	57.61
509.7	58.63	490.9	52.84				

42 peaks found

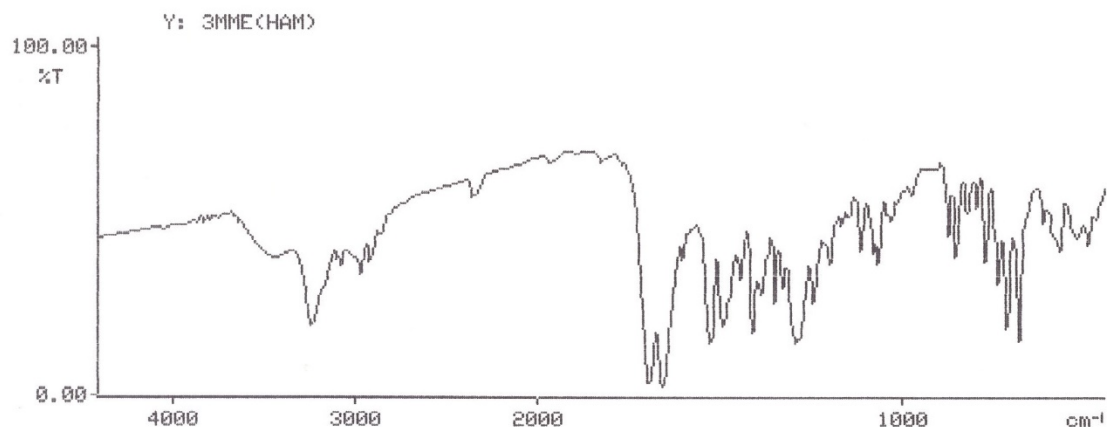


¹H NMR:



5-Methyl-2-(3-methylphenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6b)

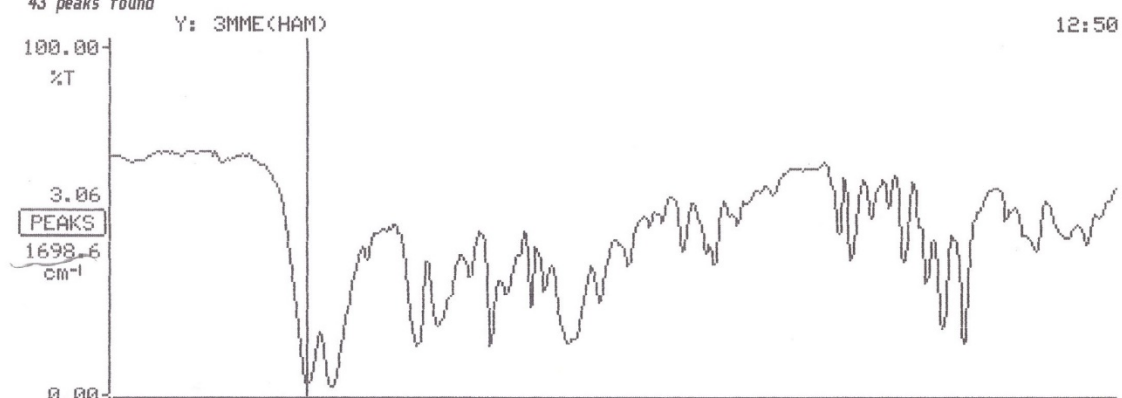
IR:



PEAK Y 4400.0 450.0
threshold 2.00%; band

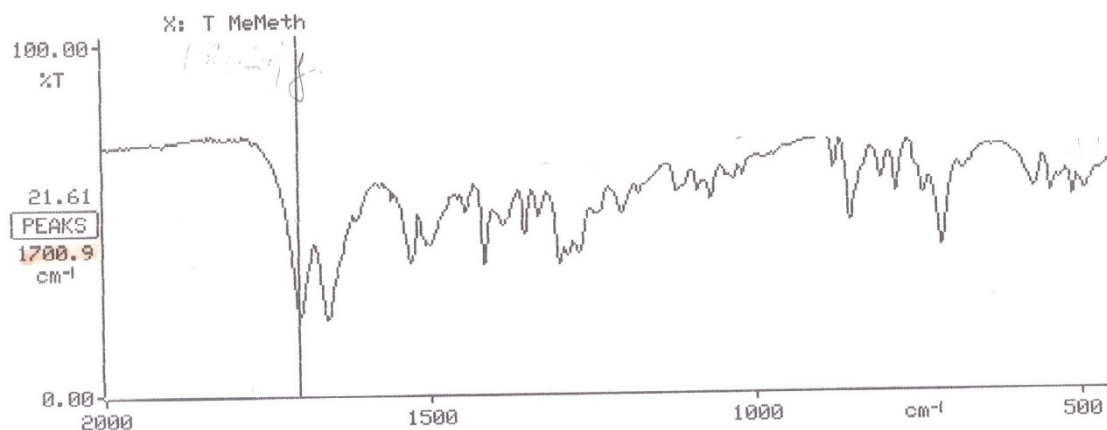
cm-1	%	cm-1	%	cm-1	%	cm-1	%
3853.7	48.65	3838.1	49.63	3445.8	39.73	3245.5	19.98
3084.0	37.28	2973.8	33.19	2927.5	36.95	2867.2	45.04
2362.3	56.61	2343.4	57.81	1829.9	66.92	1698.6	3.06
1661.7	2.45	1607.3	39.06	1528.6	14.39	1497.5	19.93
1448.4	33.53	1416.2	14.18	1391.8	29.04	1354.1	25.59
1333.4	29.67	1297.2	14.93	1248.3	26.54	1204.0	36.93
1171.1	48.42	1151.9	49.67	1119.6	41.71	1083.9	40.42
1070.9	36.83	1035.2	49.26	979.9	57.93	878.7	45.70
859.7	39.30	828.7	50.99	802.0	53.66	779.2	38.46
743.8	32.12	719.2	19.08	686.7	14.09	620.6	49.80
574.2	41.64	525.1	45.28	496.9	43.36		

43 peaks found



5-Methyl-2-(4-methylphenyl)-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6c)

IR:

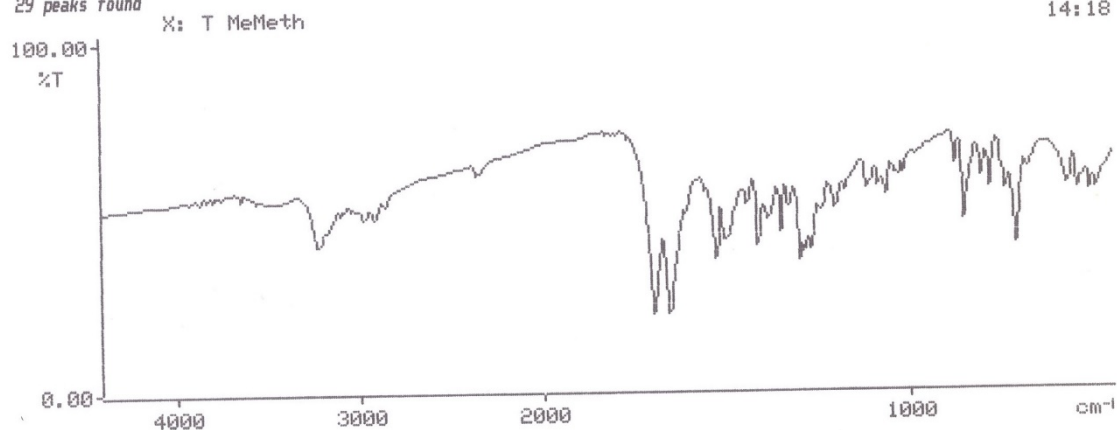


PEAK X 2000.0 450.0
threshold 2.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
1700.9	21.61	1658.6	21.47	1530.4	37.34	1506.0	42.05
1446.3	51.43	1417.5	36.90	1387.7	47.93	1355.8	43.50
1334.1	50.77	1301.8	36.52	1288.9	38.78	1272.3	40.08
1206.0	51.17	1179.7	56.47	1119.7	57.10	1088.5	57.32
1068.5	54.34	1033.8	60.42	1019.9	61.61	879.7	63.50
855.6	47.51	807.6	60.32	785.2	56.55	742.5	56.20
714.6	40.88	571.0	57.56	546.5	56.03	513.1	55.08
495.3	56.19						

29 peaks found

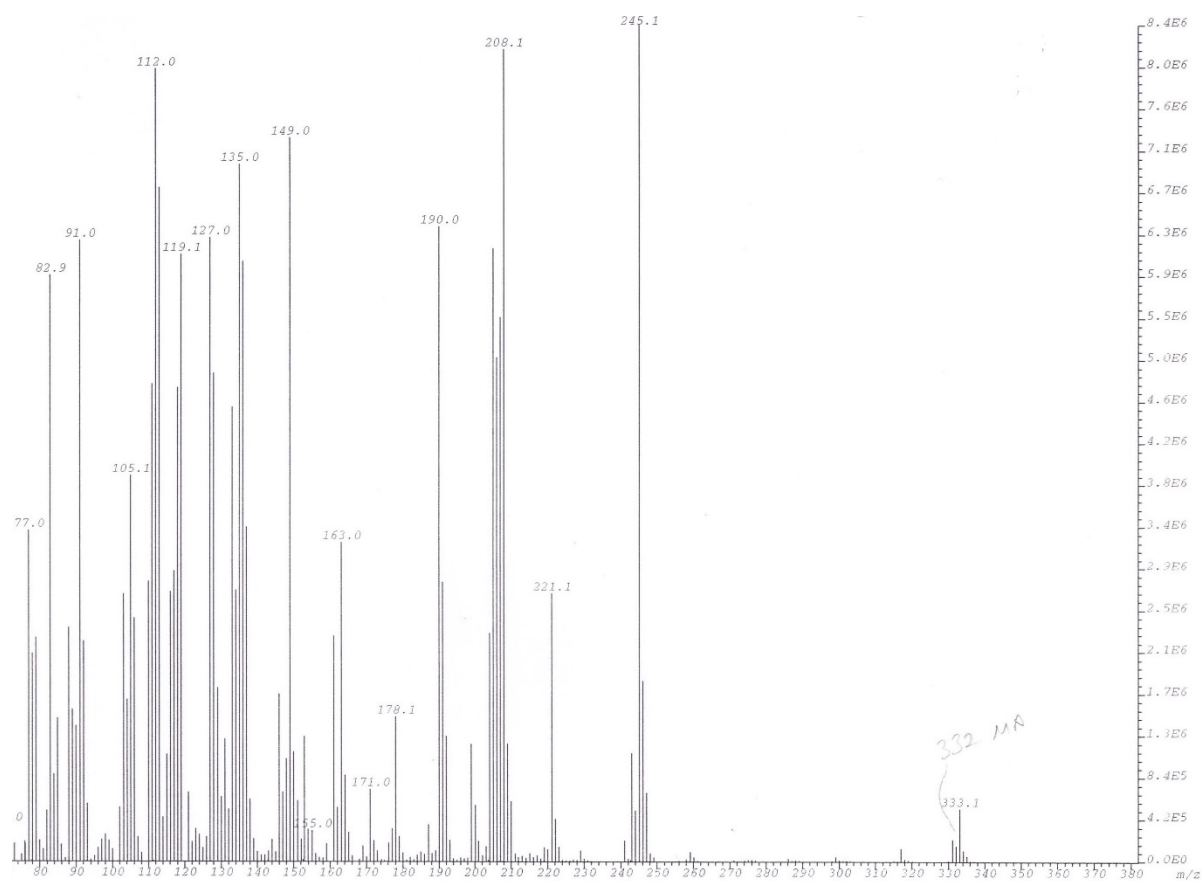
14:18



^1H NMR:

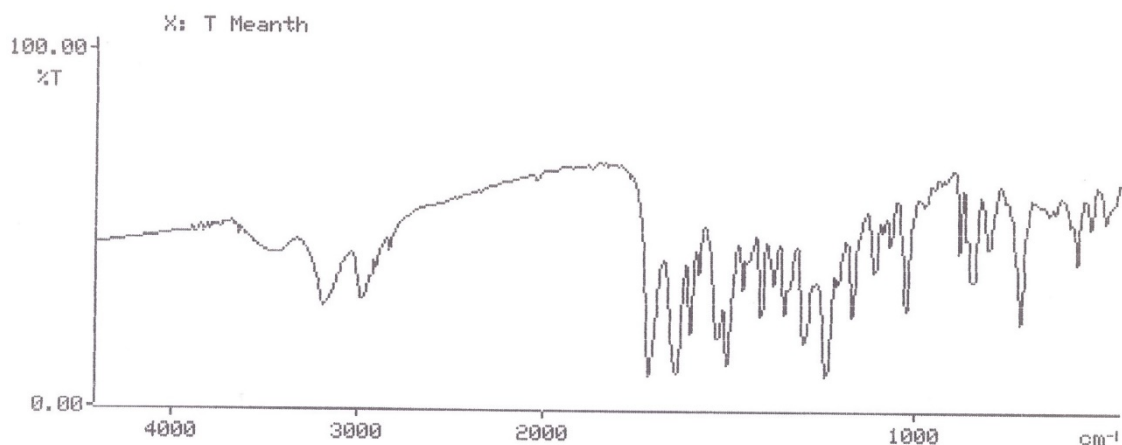


MASS:



2-(4-Methoxyphenyl)-5-methyl-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6d)

IR:



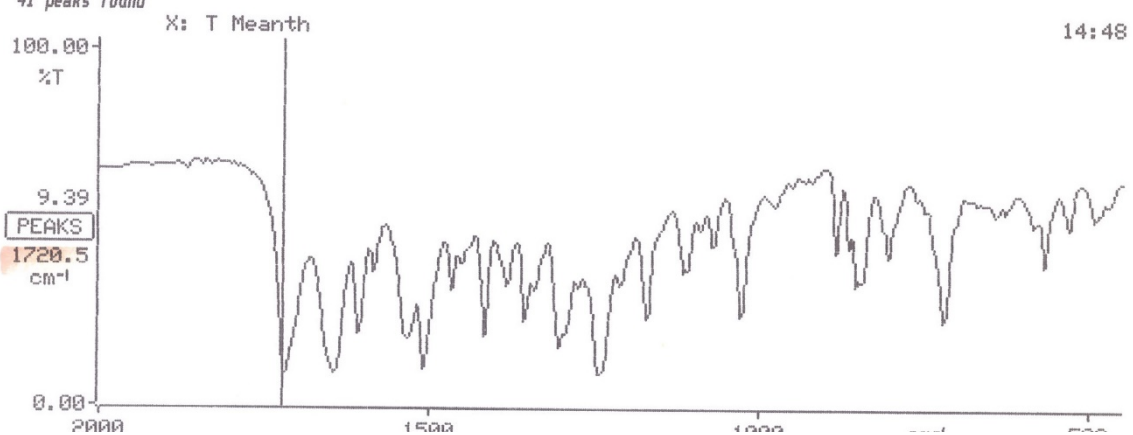
PEAK X 4400.0 450.0
threshold 2.00%; band

cm-1	%	cm-1	%	cm-1	%	cm-1	%
3852.5	47.49	3820.1	48.83	3750.0	49.22	3734.2	49.86
3674.4	49.70	3648.2	48.73	3628.1	48.22	3446.1	43.38
3191.2	28.67	2984.6	29.83	2834.3	43.24	1720.5	9.39
1645.1	9.54	1608.5	20.83	1584.8	37.41	1534.0	19.44
1509.7	10.96	1467.1	33.20	1452.0	39.94	1416.9	19.95
1383.4	34.43	1357.5	24.59	1341.3	32.98	1304.3	17.23
1243.8	9.42	1211.6	34.29	1170.4	23.80	1115.6	38.27
1090.1	49.71	1070.8	44.58	1028.4	24.79	976.6	56.81
884.5	43.28	865.4	44.22	853.6	34.62	805.6	41.78
720.6	23.91	641.9	54.50	568.9	40.18	530.6	49.81
492.3	52.67						

41 peaks found

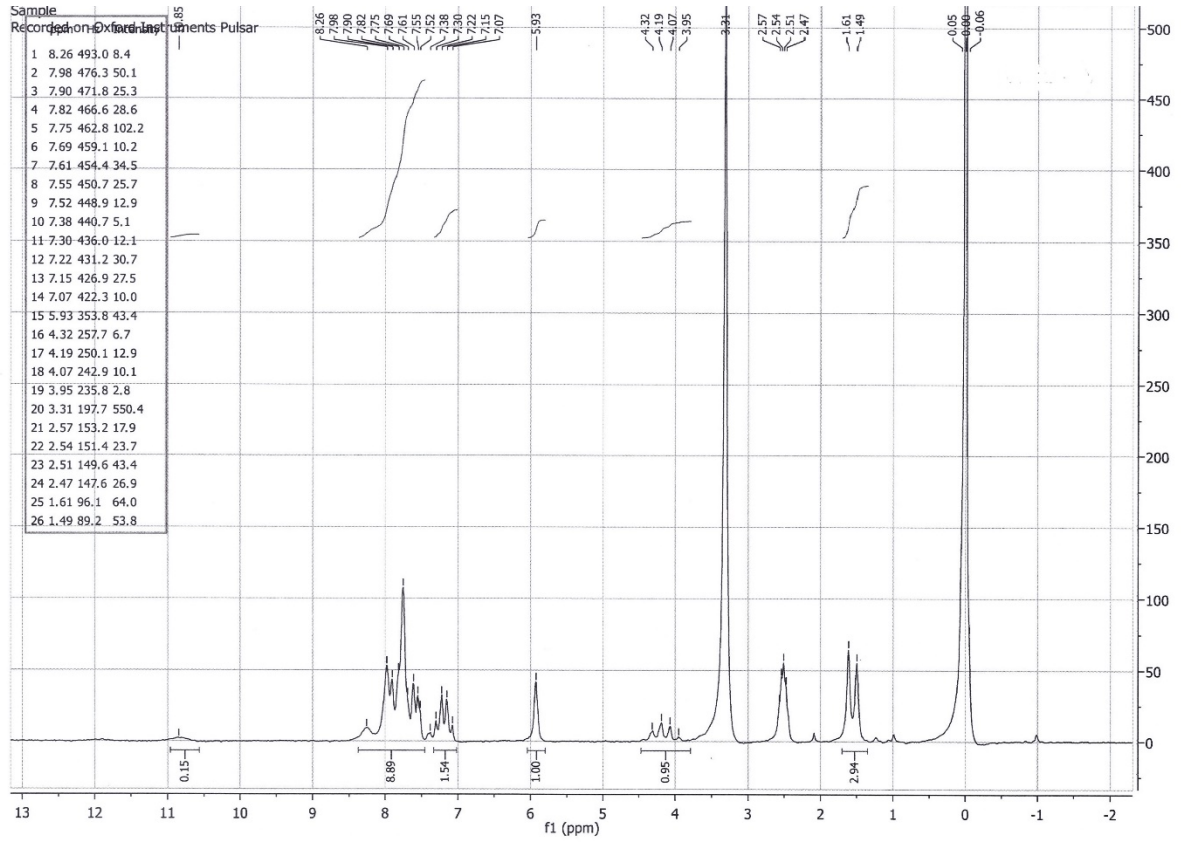
20

copy



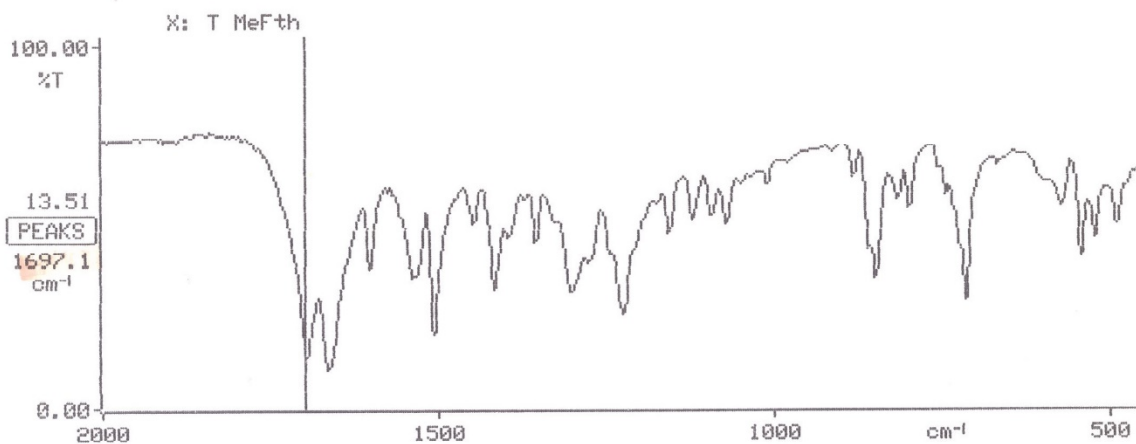
14:48

¹H NMR:



2-(4-Fluorophenyl)-5-methyl-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6e)

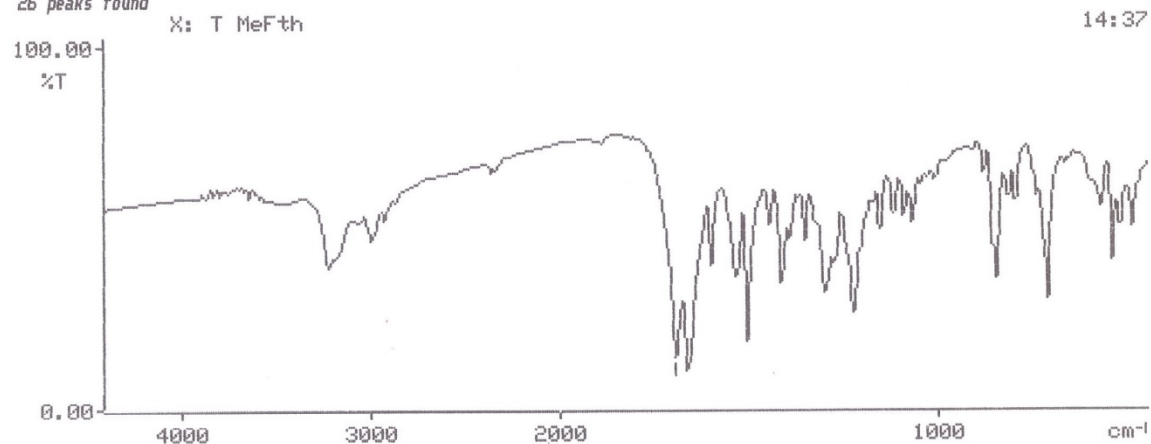
IR:



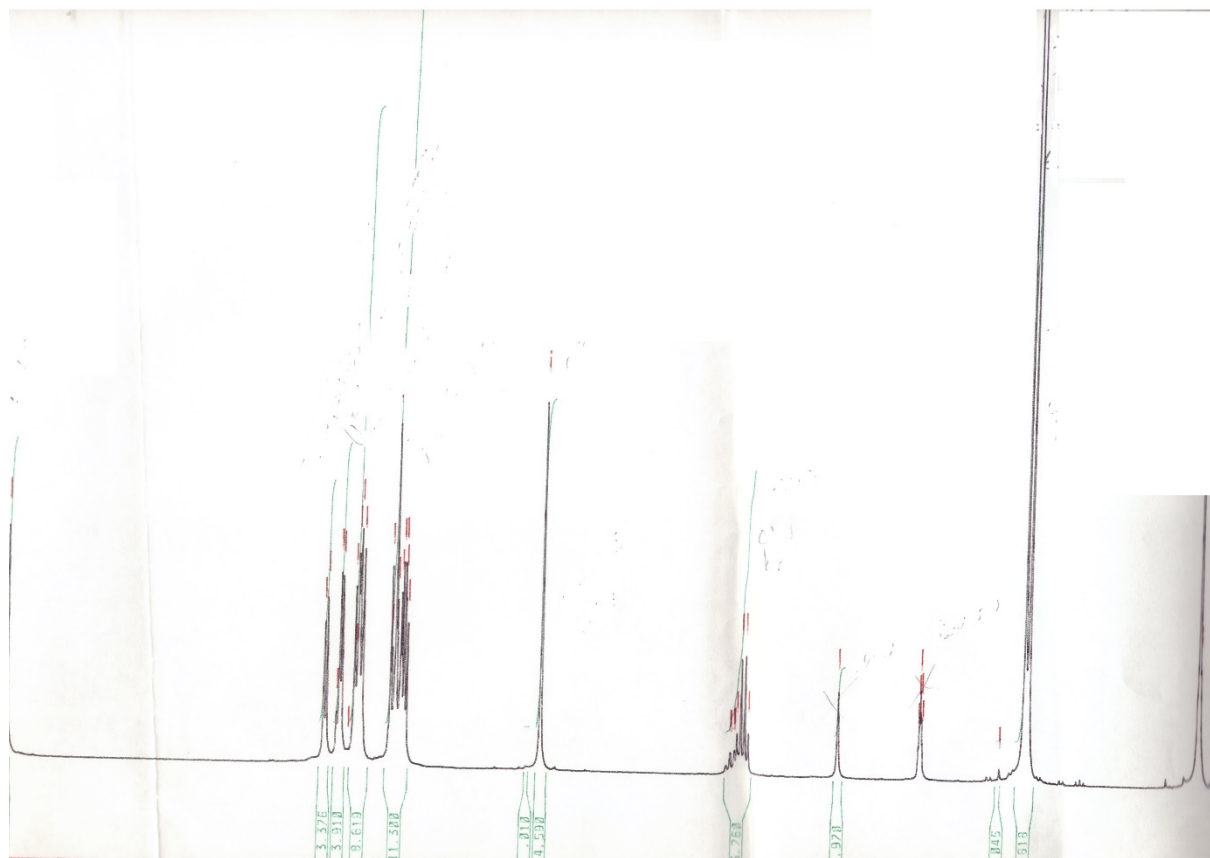
PEAK X 2000.0 450.0
threshold 2.00%; band

cm ⁻¹	%	cm ⁻¹	%	cm ⁻¹	%	cm ⁻¹	%
1697.1	13.51	1664.8	10.54	1603.6	38.10	1539.6	36.15
1508.0	18.40	1449.5	50.78	1417.9	32.59	1396.3	47.41
1356.7	45.61	1303.5	32.26	1224.2	26.05	1158.9	48.61
1123.2	52.33	1094.2	53.20	1071.9	50.94	1011.7	61.20
882.4	63.56	849.8	35.78	817.4	57.83	799.8	54.68
744.6	58.94	714.8	30.15	572.6	55.95	544.0	41.13
523.7	47.11	491.1	50.15				

26 peaks found

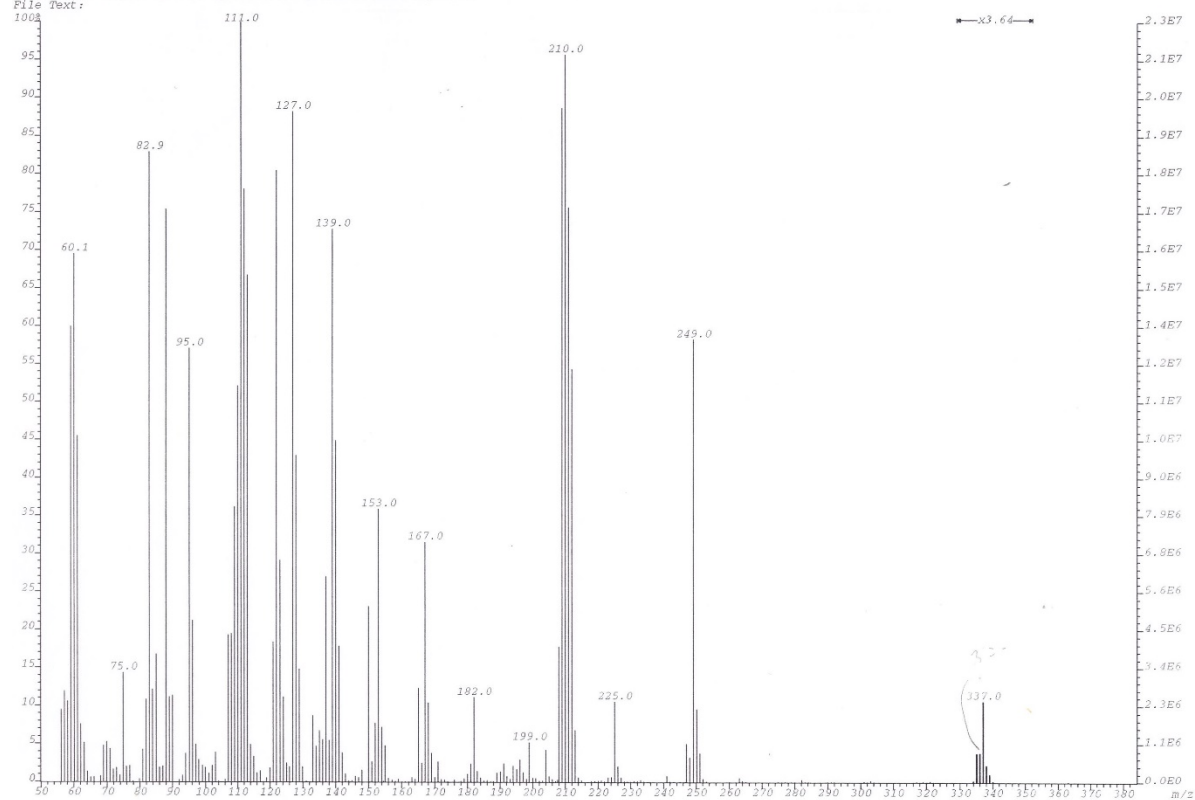


¹H NMR:

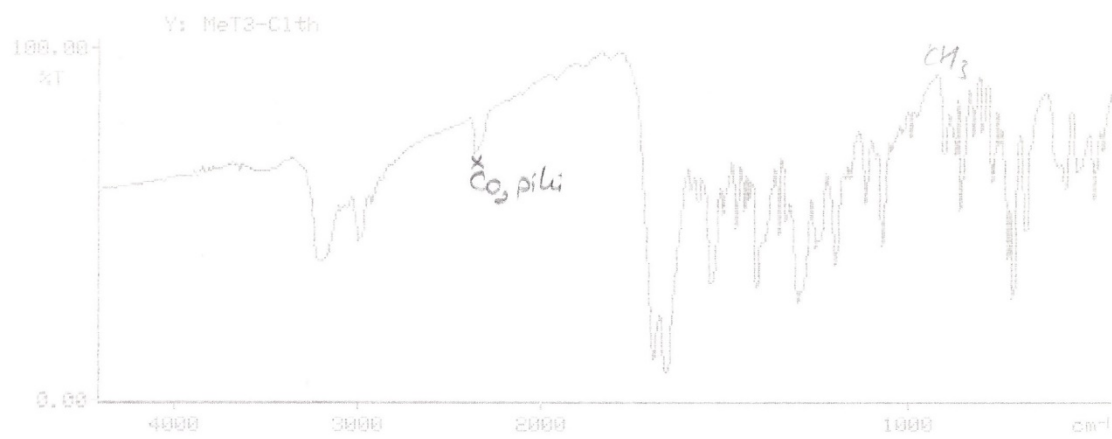


MASS:

File:IN-O-METPH Ident:26-12-14-10_32 Win 1000PPM Acq:23-OCT-1996 11:31:30 Cal:OCT-23
ZabSpecE EI+ Magnet BpM:111 BpI:22501702 TIC:478511200 Flags:HALL
File Text:



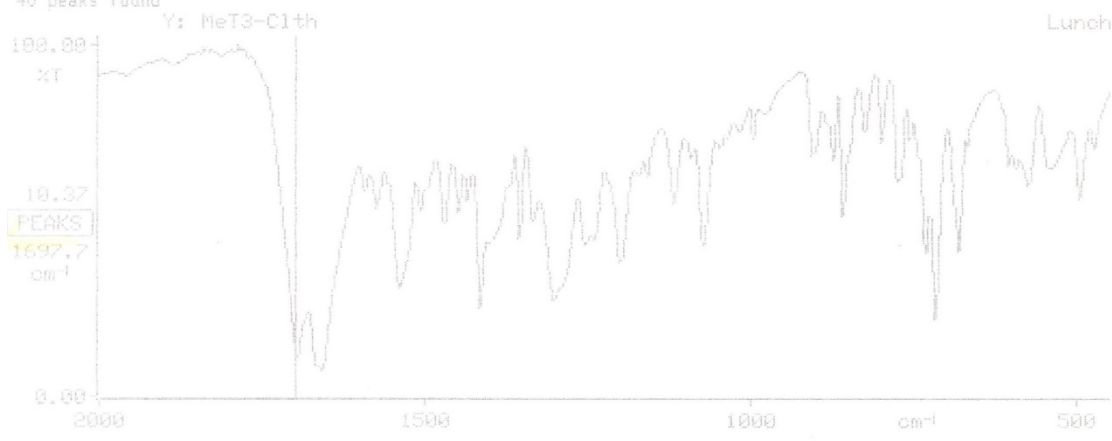
2-(3-Chlorophenyl)-5-methyl-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6f)
IR:



PEAK Z 4400.0 450.0
 threshold 2.00%; band

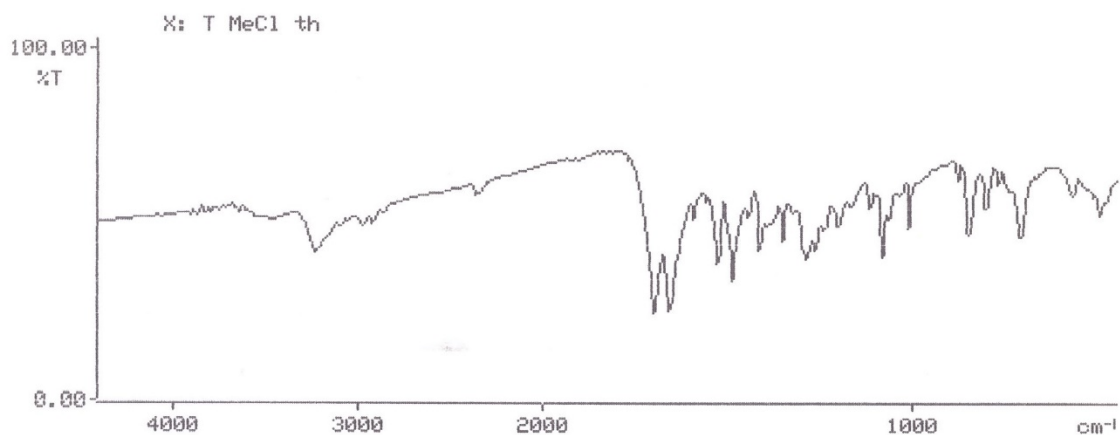
cm-1	%	cm-1	%	cm-1	%	cm-1	%
3628.3	43.56	3185.1	26.20	2958.0	29.96	2361.1	46.02
2341.9	47.97	1697.7	6.88	1658.8	5.04	1594.0	39.05
1575.5	36.08	1540.2	20.95	1507.9	35.37	1471.7	32.28
1449.9	35.36	1436.1	37.21	1416.9	16.92	1356.3	28.95
1335.8	33.21	1303.2	18.48	1254.5	29.01	1202.0	25.73
1159.8	41.42	1119.0	37.12	1073.4	29.15	998.0	47.68
905.8	45.12	874.5	44.90	859.8	33.53	826.0	49.92
800.2	48.20	775.9	40.75	756.5	48.15	732.6	26.60
717.8	14.92	681.7	27.99	605.8	43.77	594.0	43.22
574.7	40.04	540.2	43.42	497.4	38.09	474.0	47.39

40 peaks found



2-(4-Chlorophenyl)-5-methyl-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6g)

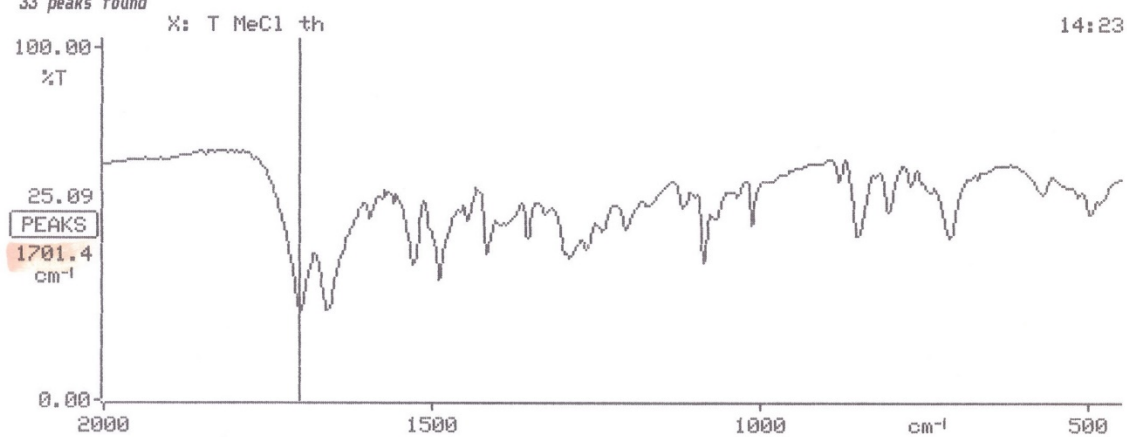
IR:



PEAK X 4400.0 450.0
threshold 2.00%; band

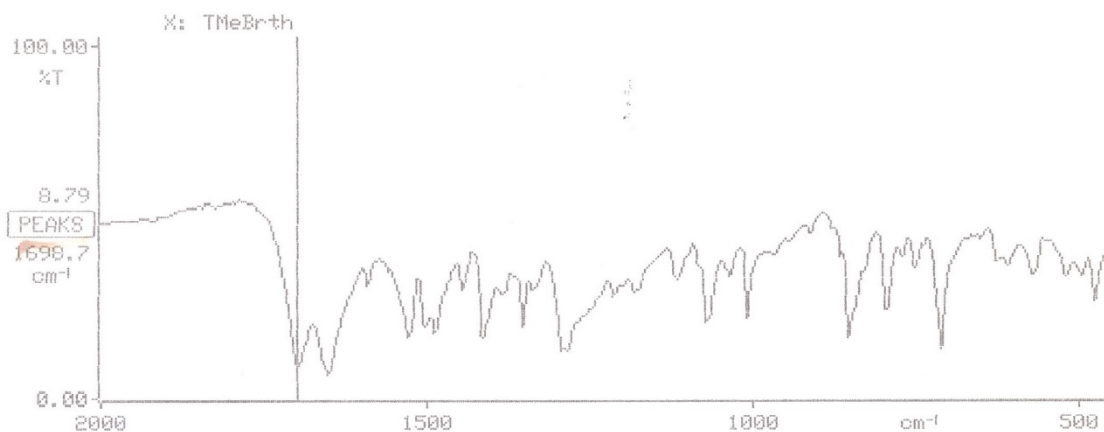
cm-1	%	cm-1	%	cm-1	%	cm-1	%
3853.7	51.42	3838.5	52.72	3750.6	52.87	3675.9	53.27
3649.0	52.97	3628.8	53.00	3235.3	42.38	2971.7	49.18
2926.6	50.16	2363.8	58.29	1701.4	25.09	1660.6	25.60
1595.7	51.78	1559.6	56.02	1528.5	38.52	1490.0	34.38
1446.9	51.10	1417.8	41.51	1355.8	44.77	1289.9	40.20
1265.5	42.98	1240.5	47.96	1205.3	48.70	1119.2	54.76
1086.6	38.73	1013.8	49.10	880.2	62.51	852.6	46.13
805.7	53.37	771.4	60.89	711.0	45.85	569.1	58.68
497.9	52.57						

33 peaks found



2-(4-Bromophenyl)-5-methyl-3-(2-thienylcarbonyl)amino-4-thiazolidinone (6h)

IR:



PEAK X 2000.0 450.0
threshold 2.00%; band

cm ⁻¹	%	cm ⁻¹	%	cm ⁻¹	%	cm ⁻¹	%
1698.7	8.79	1651.6	7.08	1591.7	32.00	1529.0	17.55
1504.0	20.64	1488.3	18.14	1447.0	31.17	1415.5	16.27
1384.0	29.71	1354.0	20.80	1338.3	30.84	1293.6	13.74
1214.3	29.15	1183.5	30.42	1115.6	34.25	1071.6	21.59
1036.0	35.14	1010.1	23.25	912.1	46.87	866.1	40.24
854.6	17.72	796.1	24.50	772.5	40.51	753.1	37.35
712.1	14.12	609.7	37.78	570.9	35.45	520.6	34.63
496.4	34.95	477.2	28.35				

30 peaks found

