

Supporting Information

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A New Trihydroxylated Fatty Acid and Phytoecdysteroids from Rhizomes of *Trillium govanianum*

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Supplementary File:

Table S-2: ¹H-NMR and ¹³C-NMR (CD₃OD, 600 and 150 MHz) chemical shift assignments in compound **2**

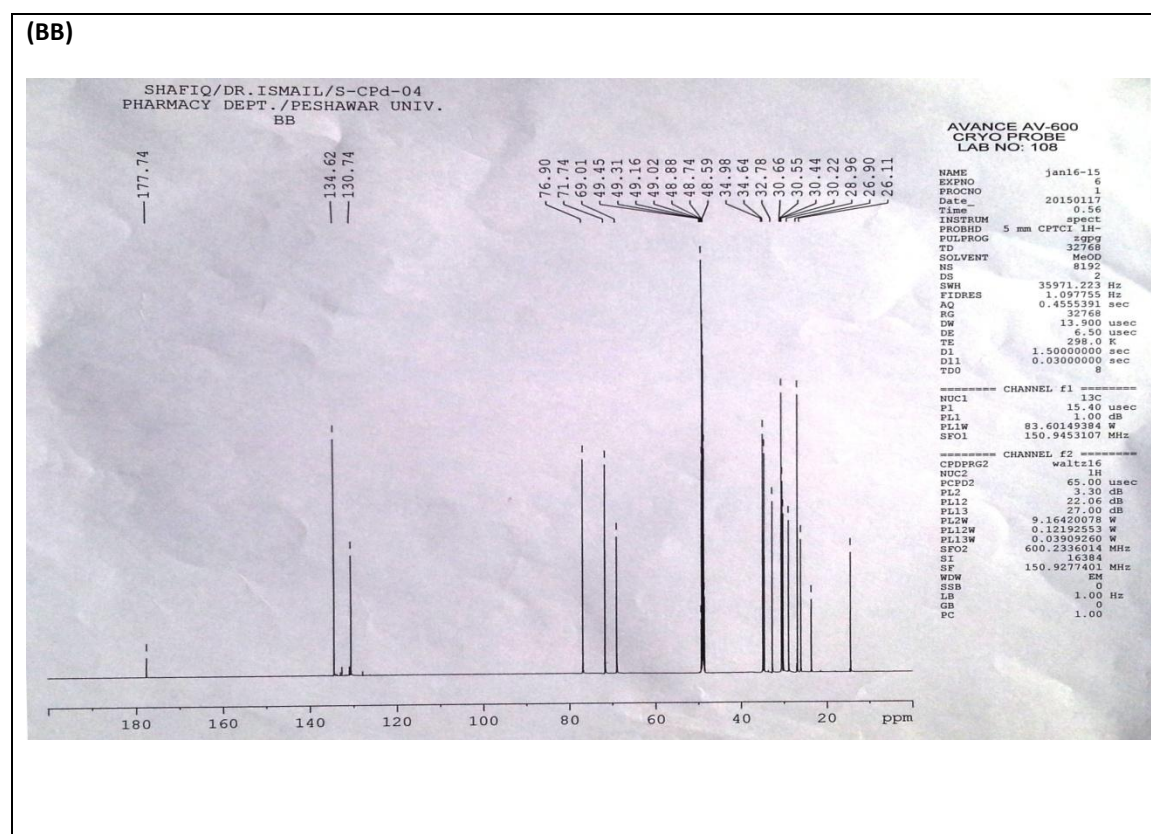
C No.	δ_C	δ_H (J, Hz)	C No.	δ_C	δ_H (J, Hz)
1	37.4	1.75	15	31.7	1.61
2	68.7	3.84 m	16	24.4	1.58, 1.55
3	68.5	3.94 dt (11.7, 3.2)	17	37.4	2.00
4	32.2	1.76, 2.13	18	18.1	0.88
5	50.5	2.40	19	24.4	0.99
6	206.4	-	20	78.4	-
7	122.1	5.80 d (2.6)	21	21.5	1.13
8	168.0	-	22	77.9	3.14
9	35.1	3.14	23	27.3	1.42
10	39.1	-	24	43.8	1.37
11	21.5	1.42, 1.46	25	71.3	-
12	32.5	2.13, 1.33	26	28.9	1.19
13	57.3	-	27	29.7	1.18
14	85.2	-			

Table S-3: ¹H-NMR and ¹³C-NMR (CD₃OD, 600 and 150 MHz) chemical shift assignments in compound **3**

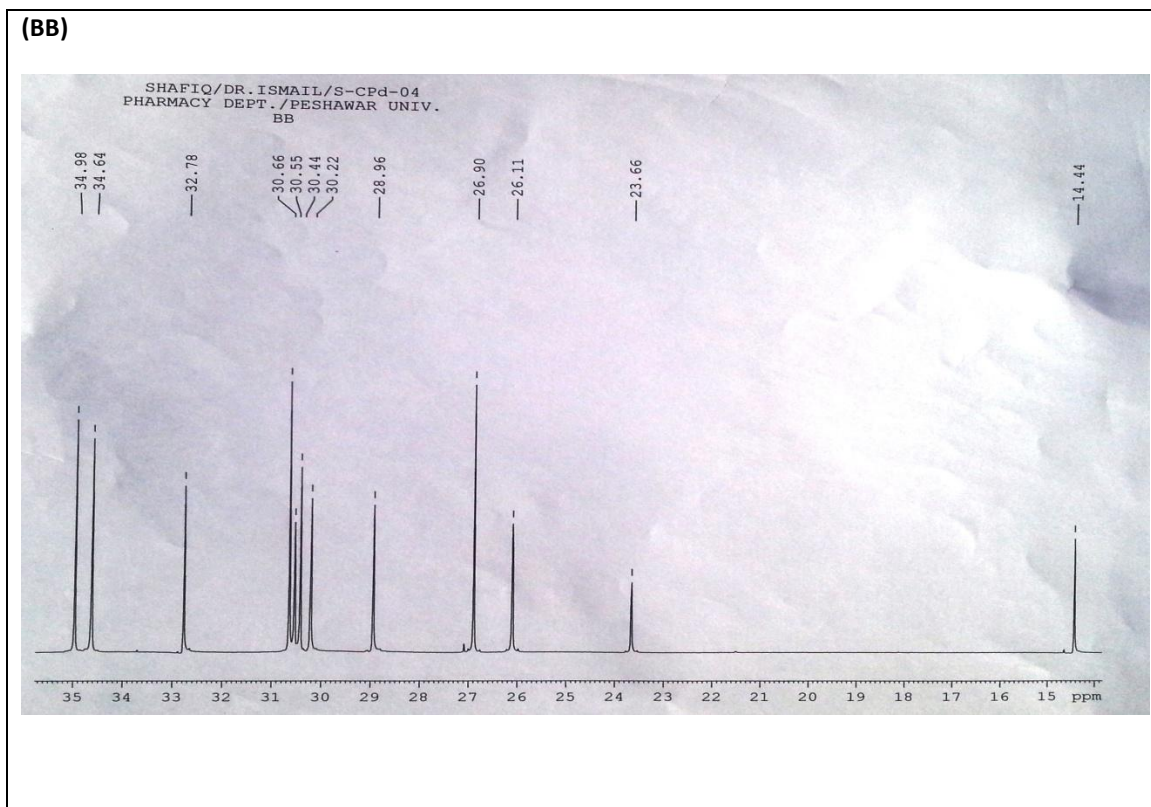
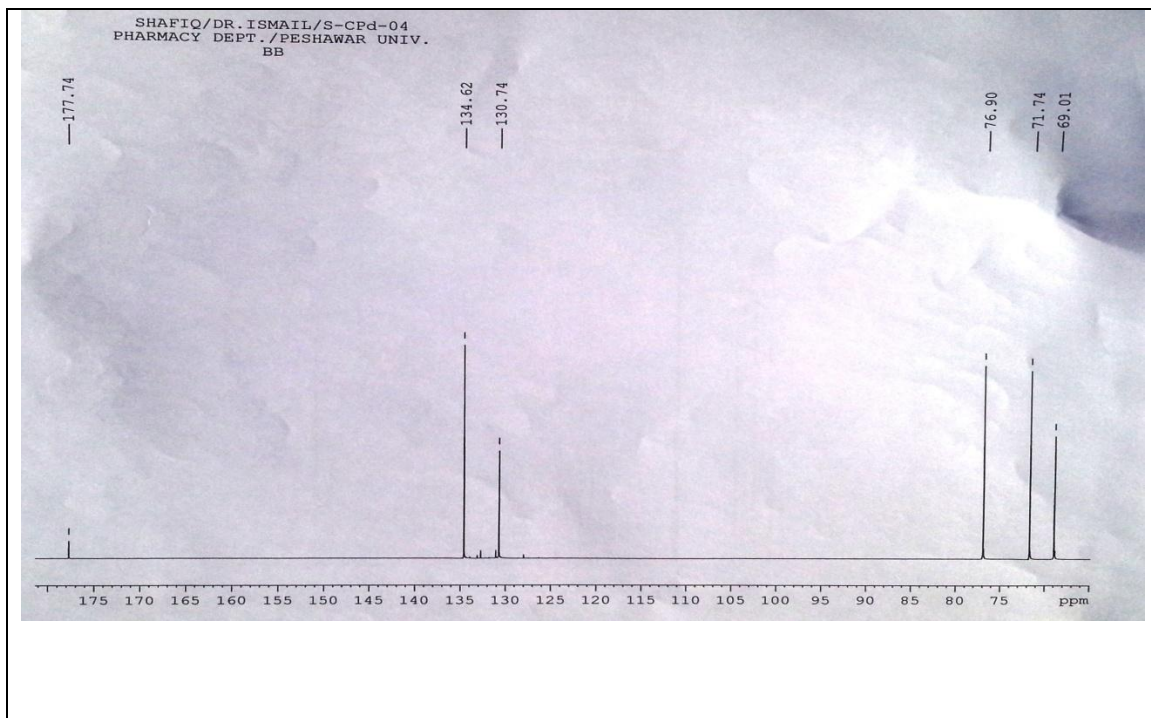
C No.	δ_C	δ_H (J, Hz)	C No.	δ_C	δ_H (J, Hz)
1	36.1	1.75	15	31.5	1.84, 1.60
2	70.2	3.64 d (3.5)	16	23.3	1.97, 1.54
3	68.4	3.98	17	43.6	2.38
4	32.2	1.97, 1.94	18	14.8	0.89
5	80.3	-	19	24.2	0.99
6	202.4	-	20	78.4	-
7	120.6	5.84 d (2.7)	21	26.1	1.24
8	167.5	-	22	77.8	3.31
9	35.1	3.18 br m	23	27.0	1.42
10	39.1	-	24	43.8	1.38
11	30.2	1.74, 1.72	25	71.3	-
12	71.3	2.00, 1.78	26	28.9	1.19
13	57.4	-	27	29.6	1.18
14	85.3	-			

Spectra of Compounds

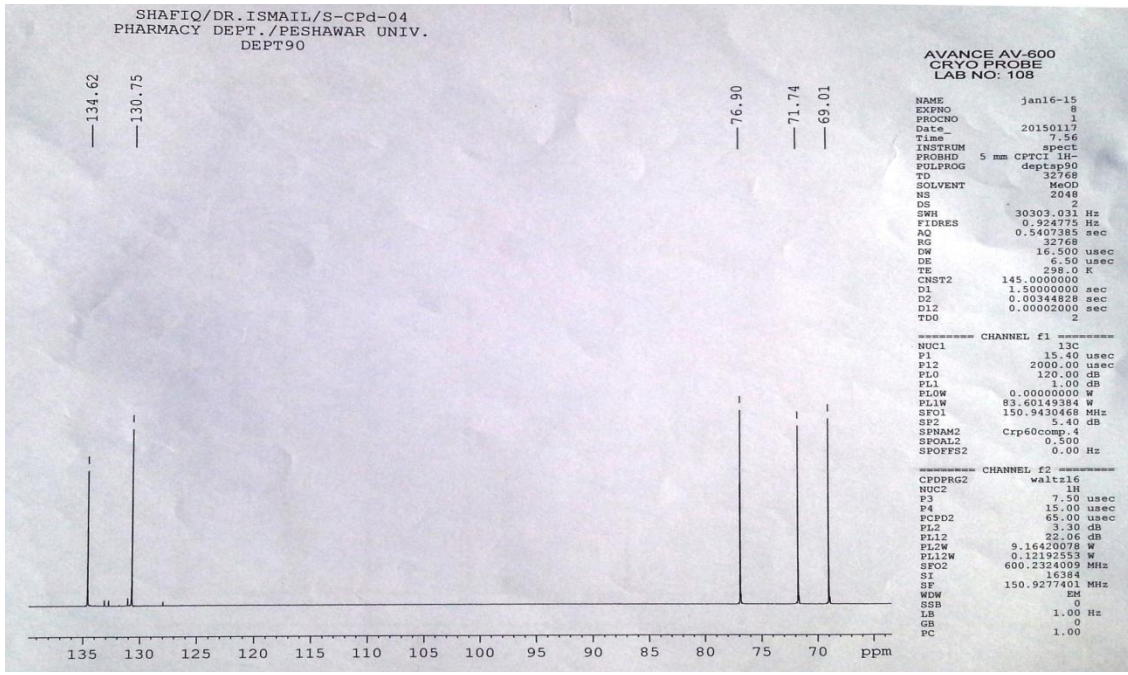
^{13}C -NMR and ^1H -NMR spectra of compound 1 (govanic acid, a new tri hydroxy fatty acid)



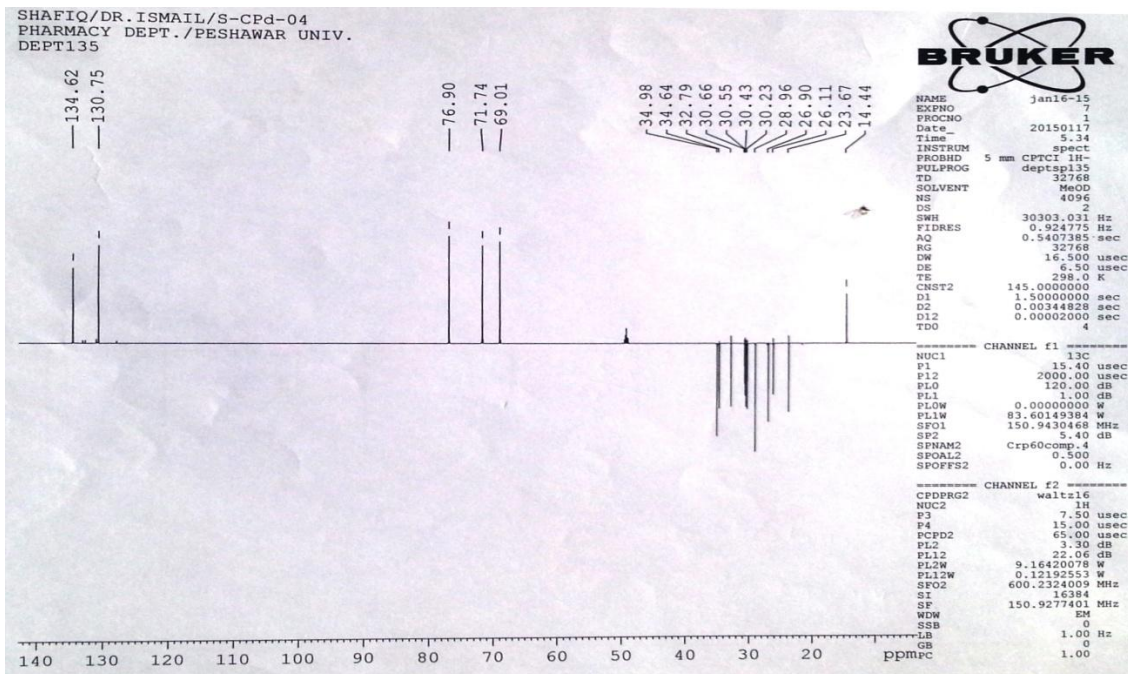
(BB)



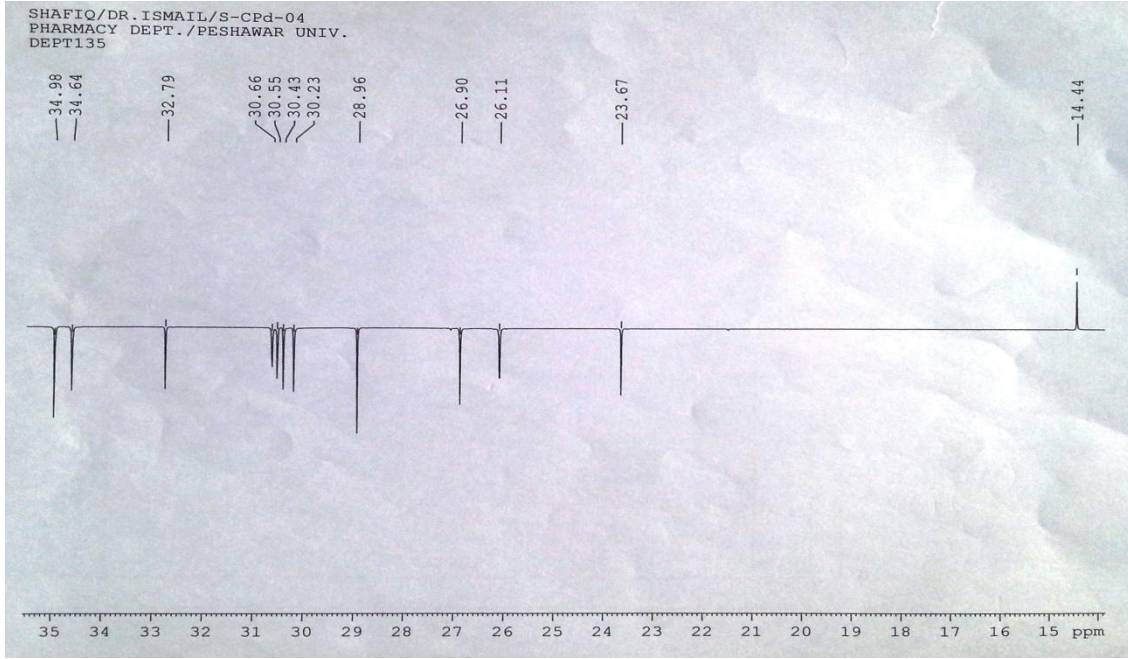
(DEPT 90)



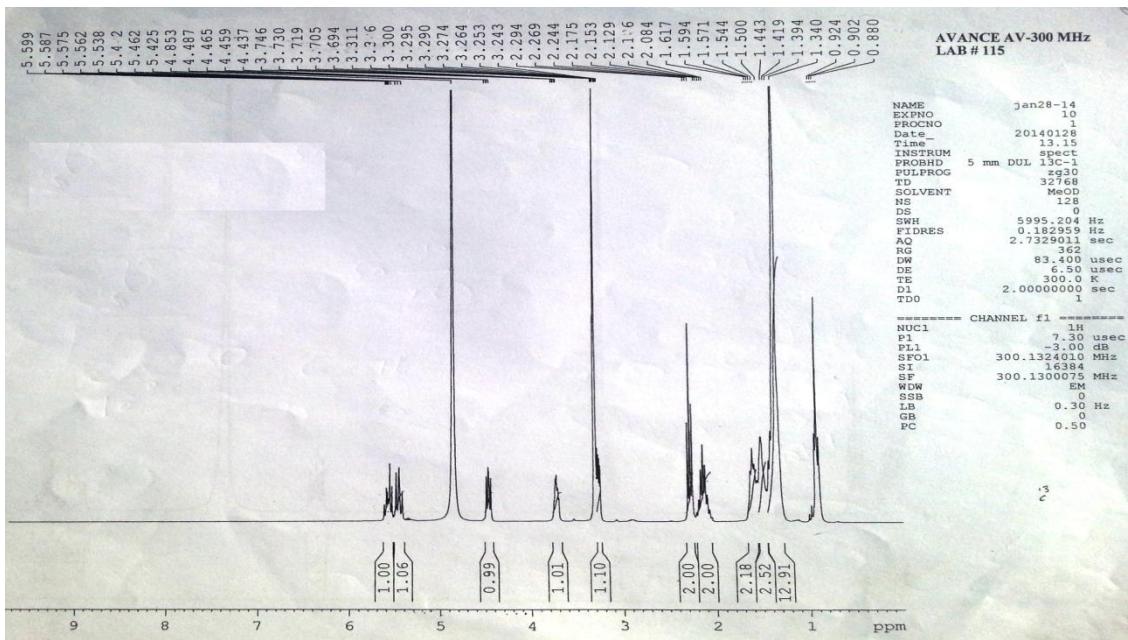
(DEPT 135)



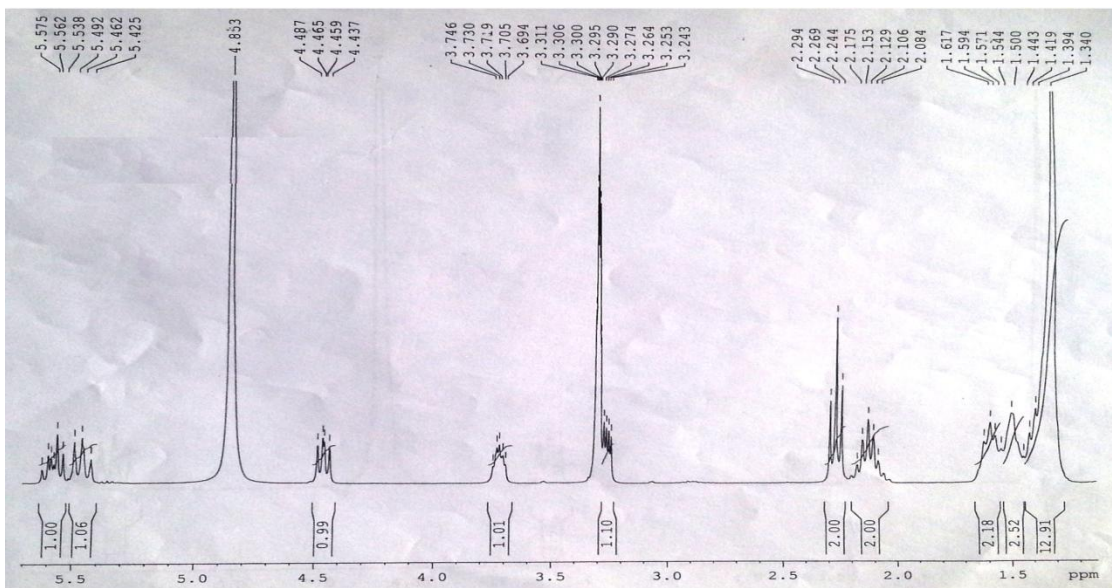
(DEPT 135)



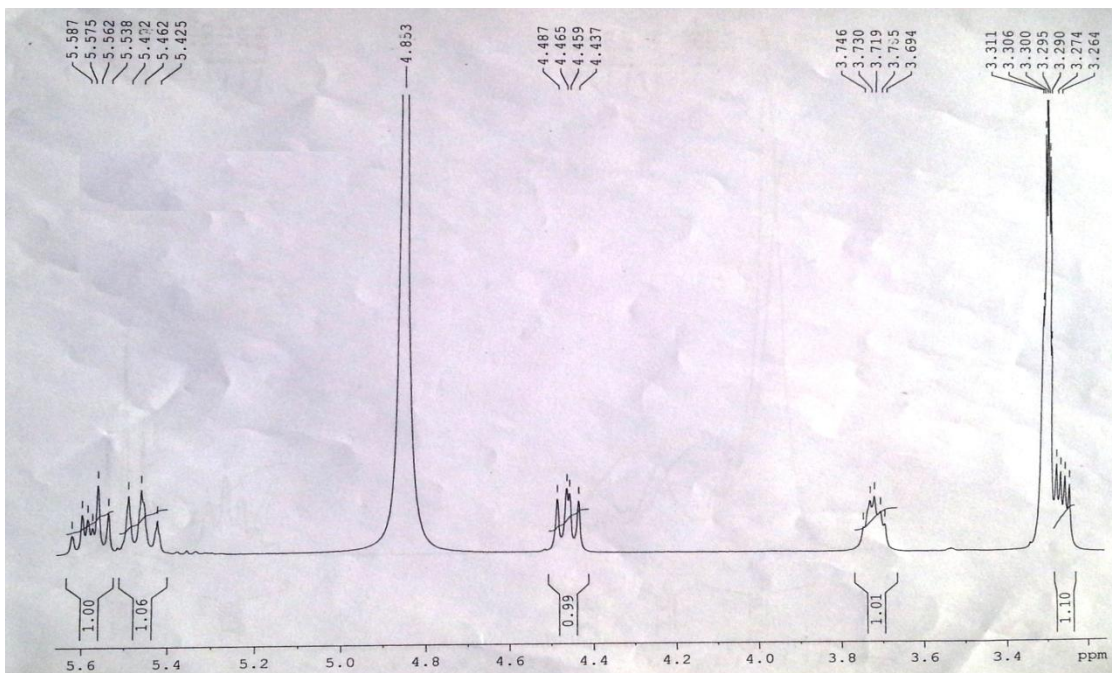
¹H-NMR



(¹H-NMR)



(¹H-NMR)



¹H-NMR

