Supplementary Material

Synthesis, characterization, analgesic and anti-inflammatory activity of new pyrazole derivatives

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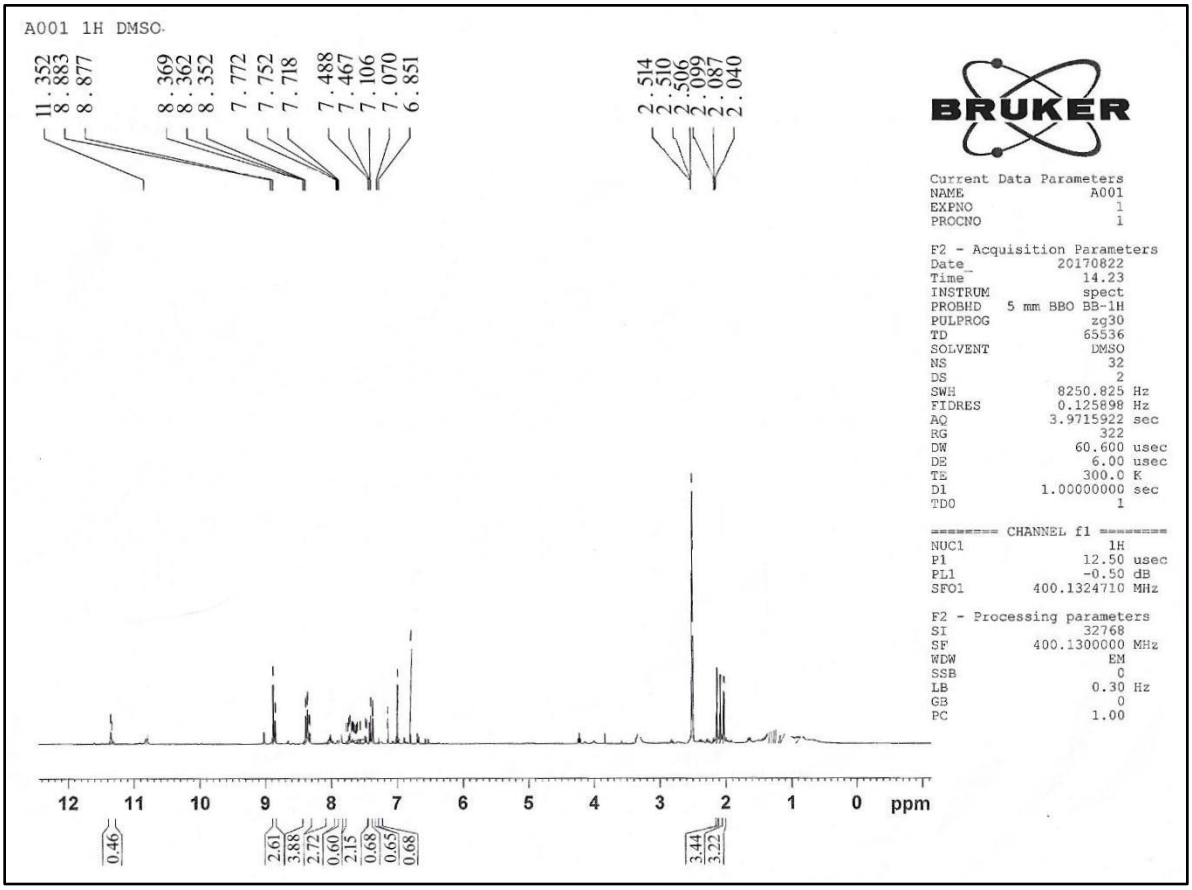

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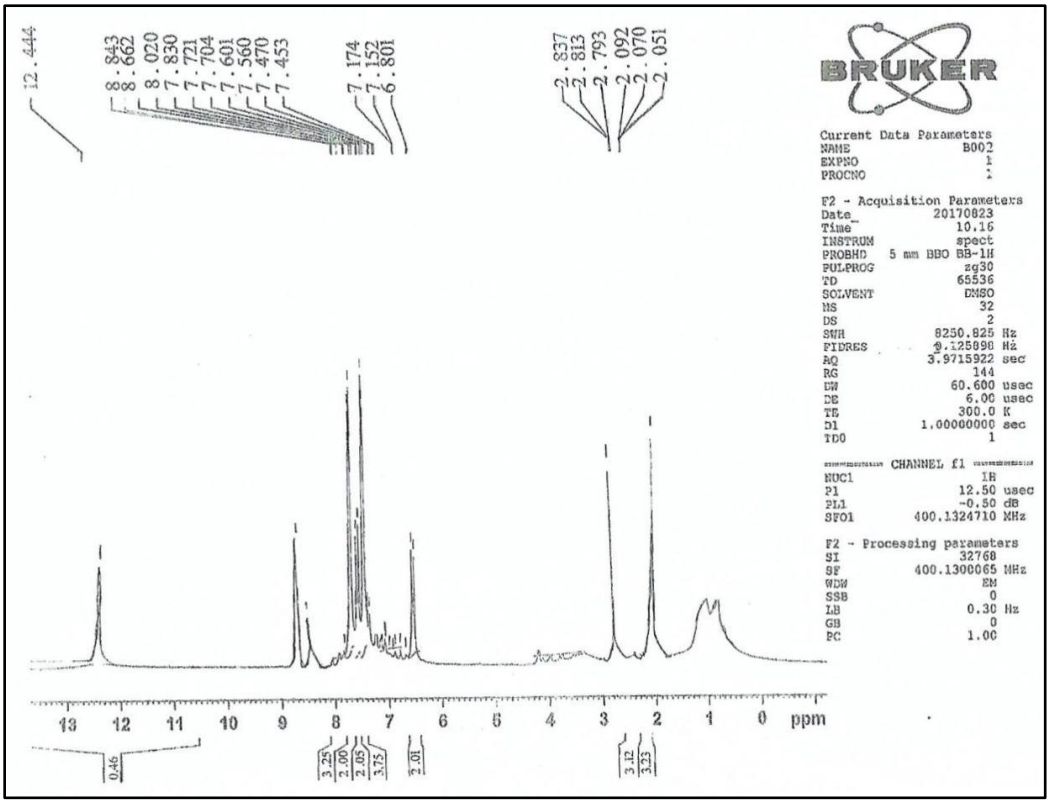

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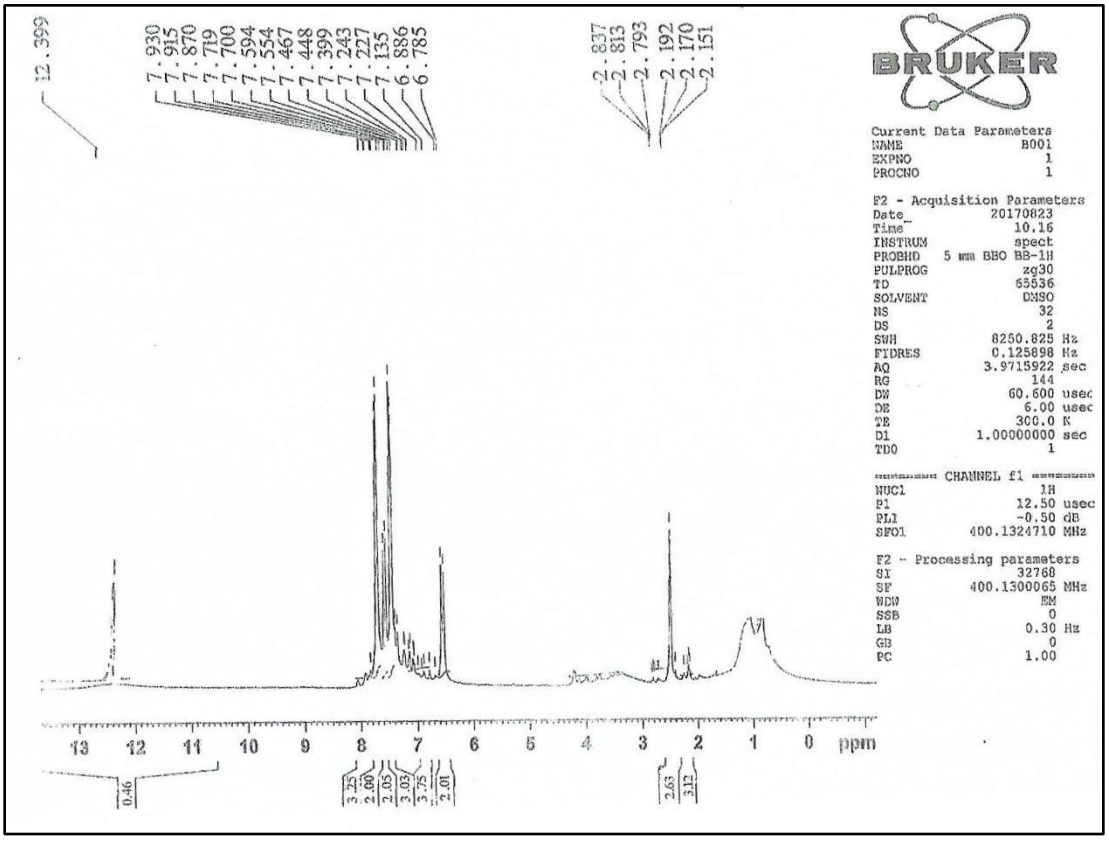

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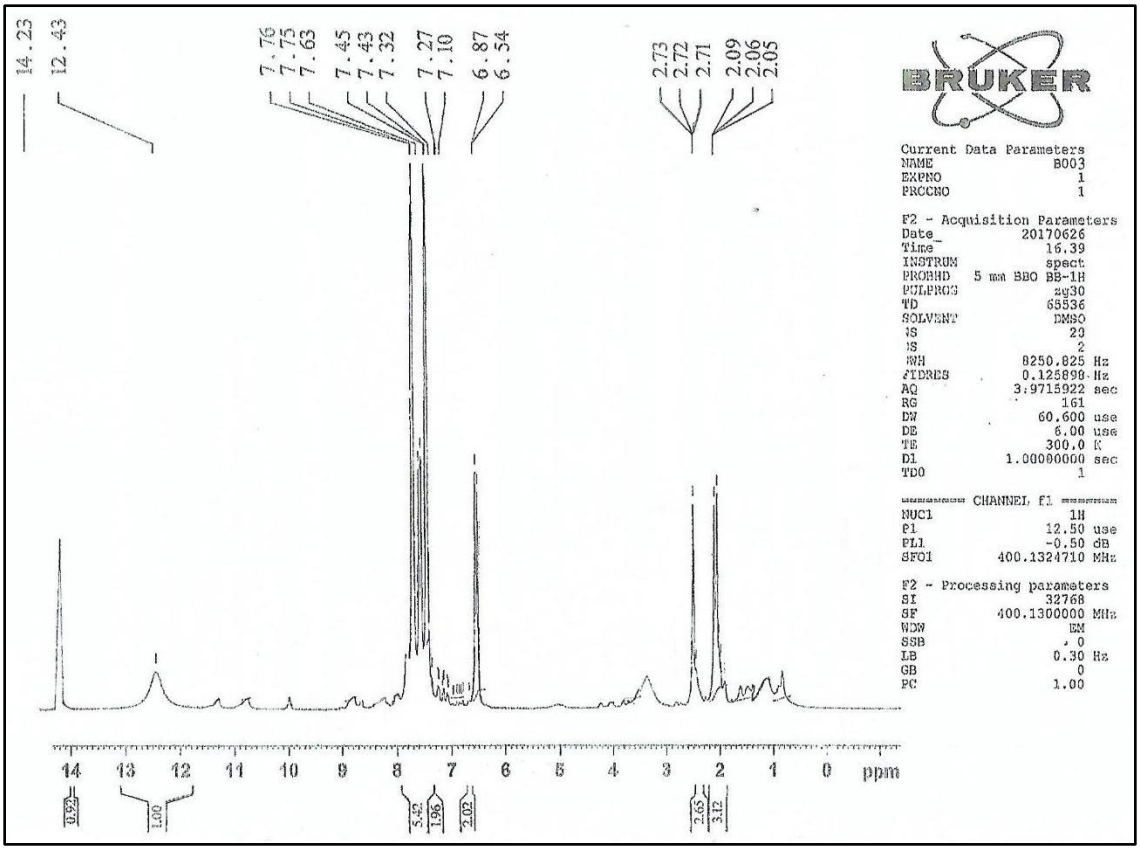

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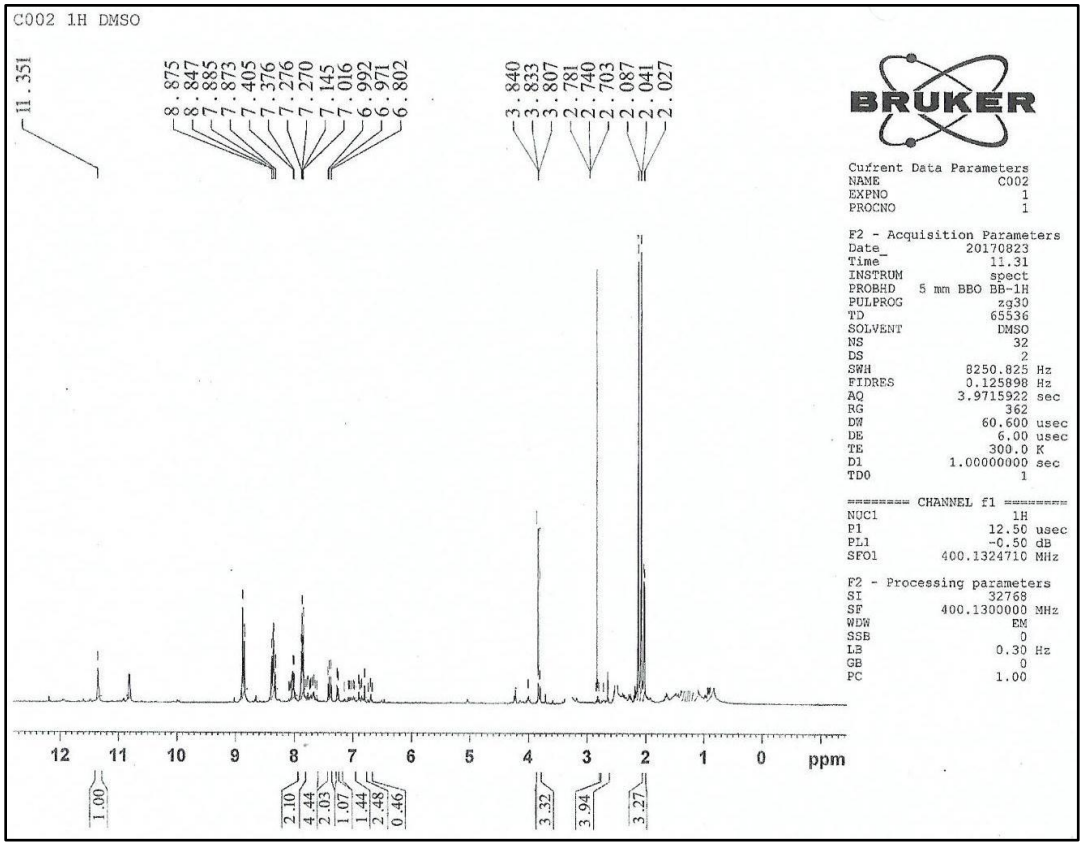

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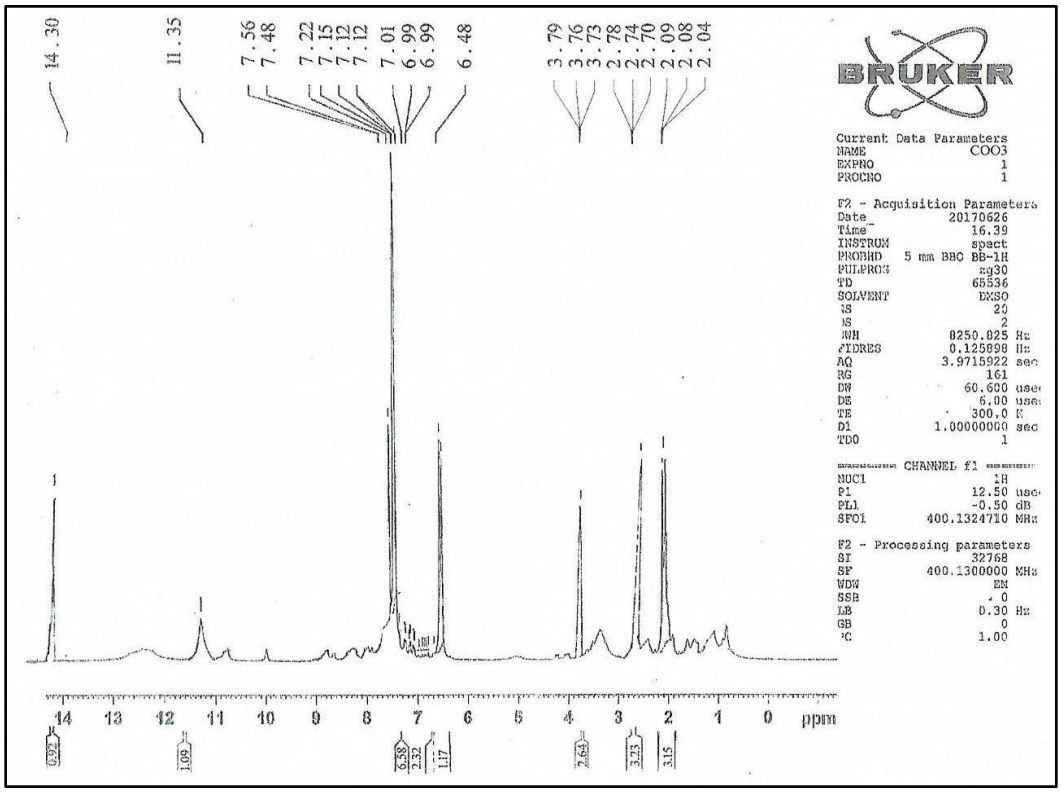

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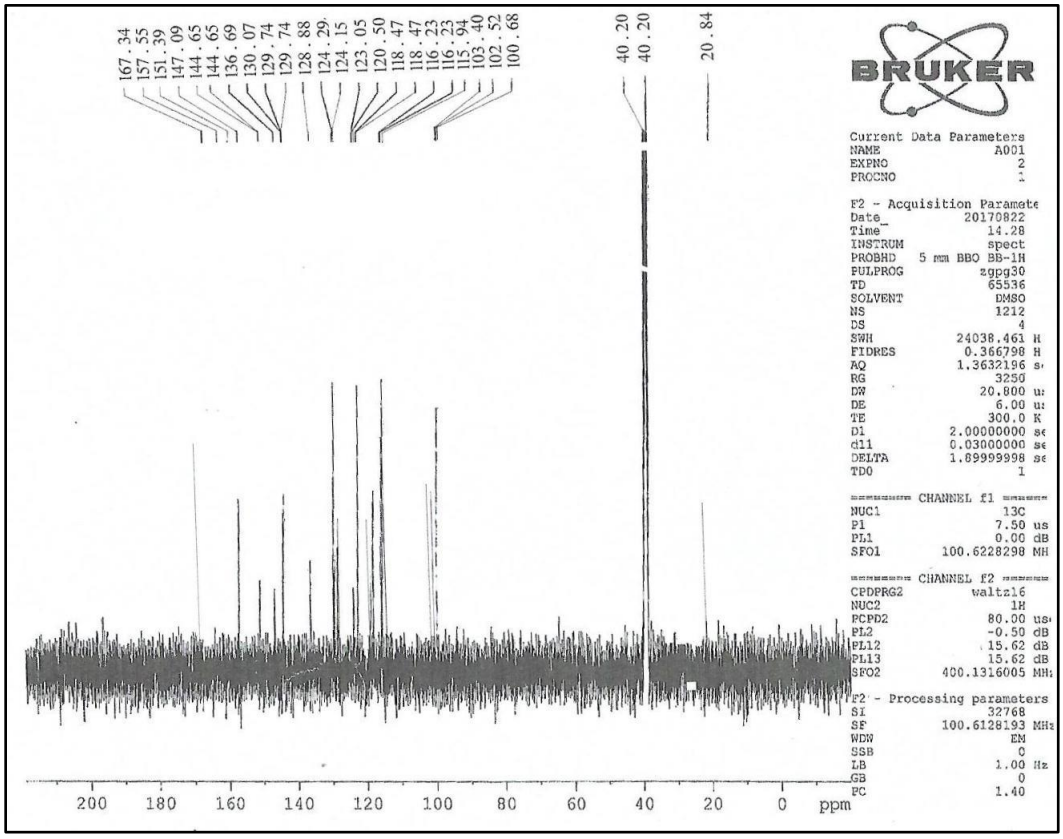

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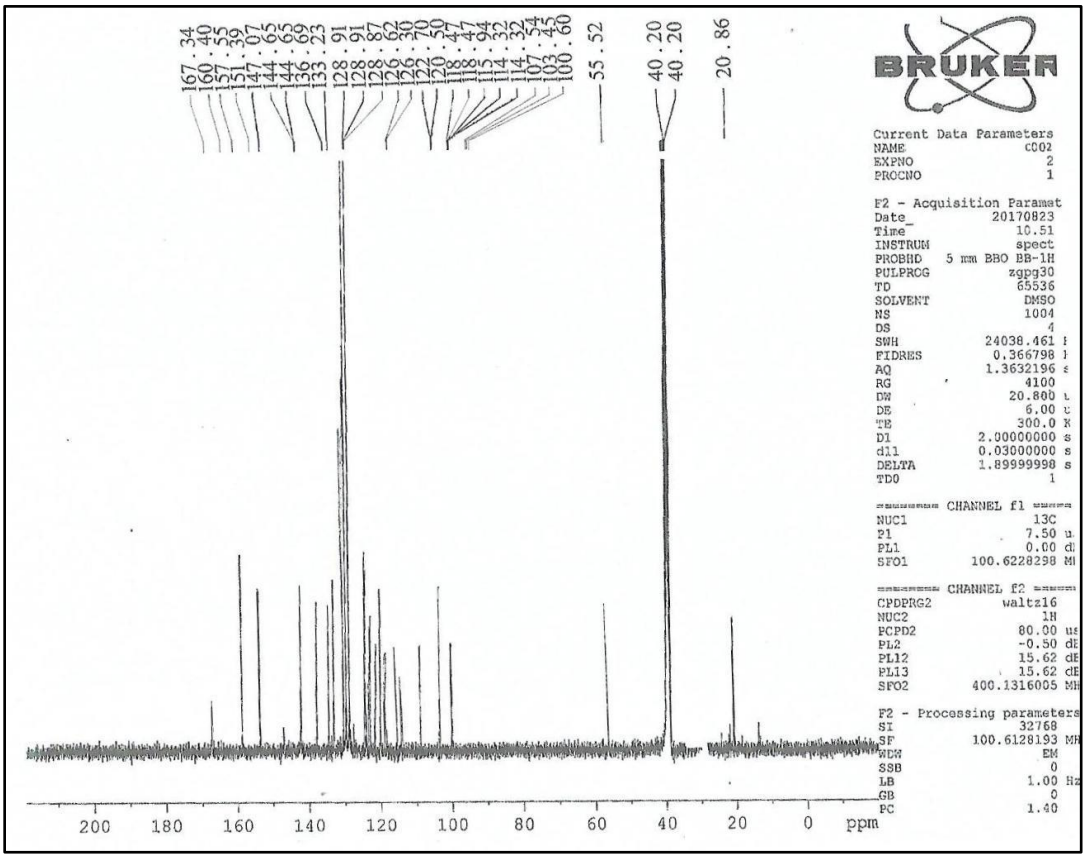

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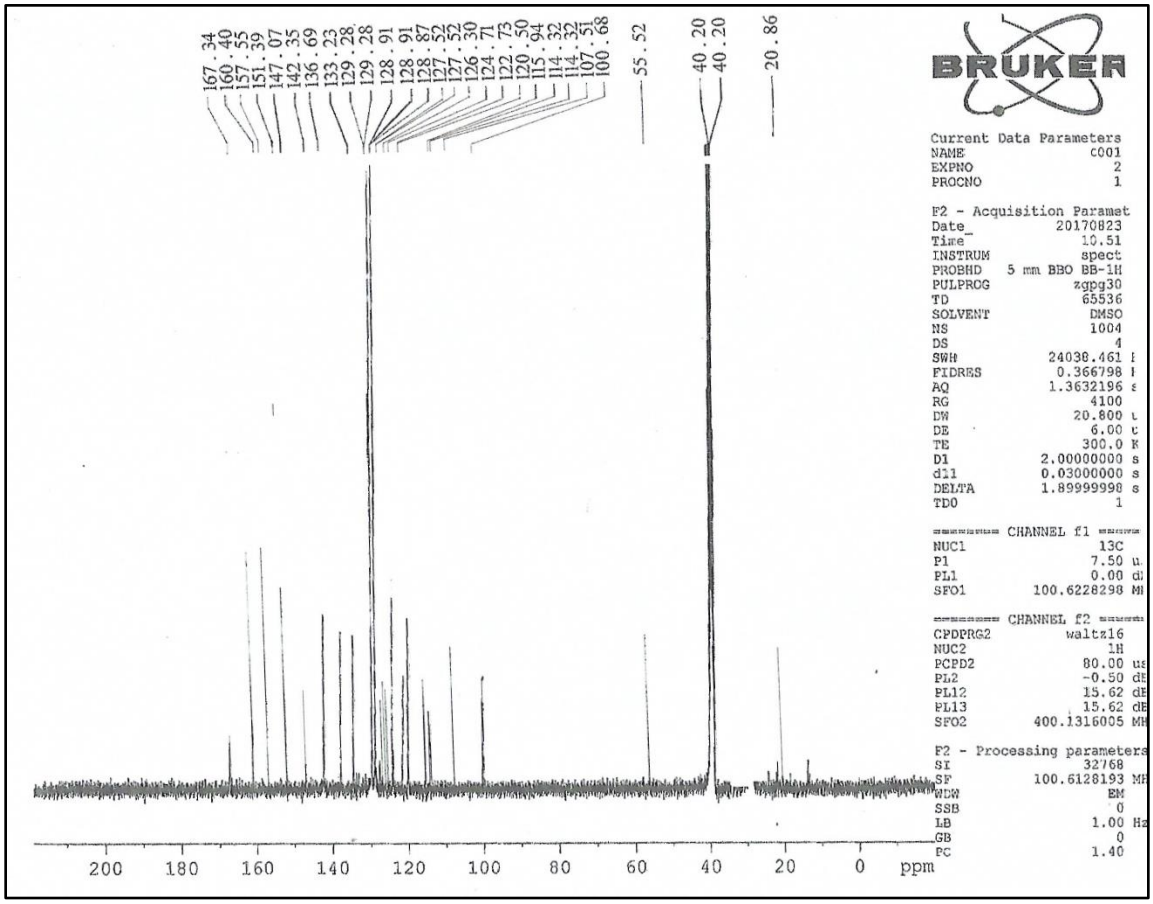

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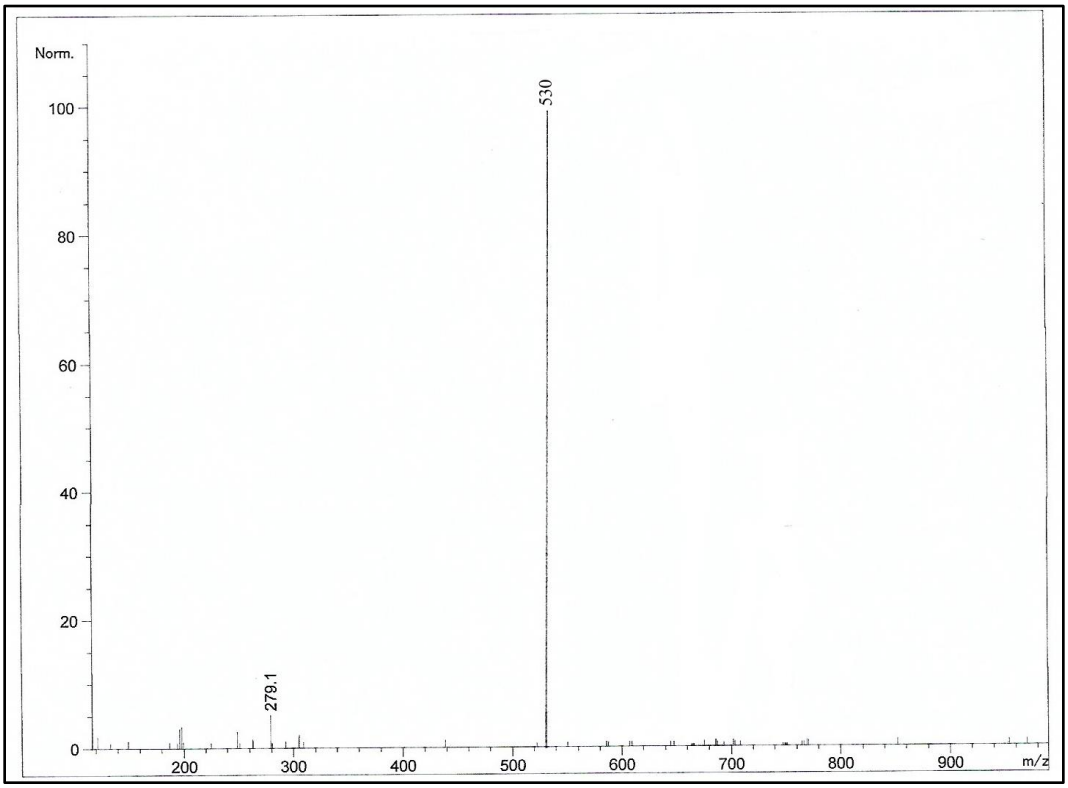

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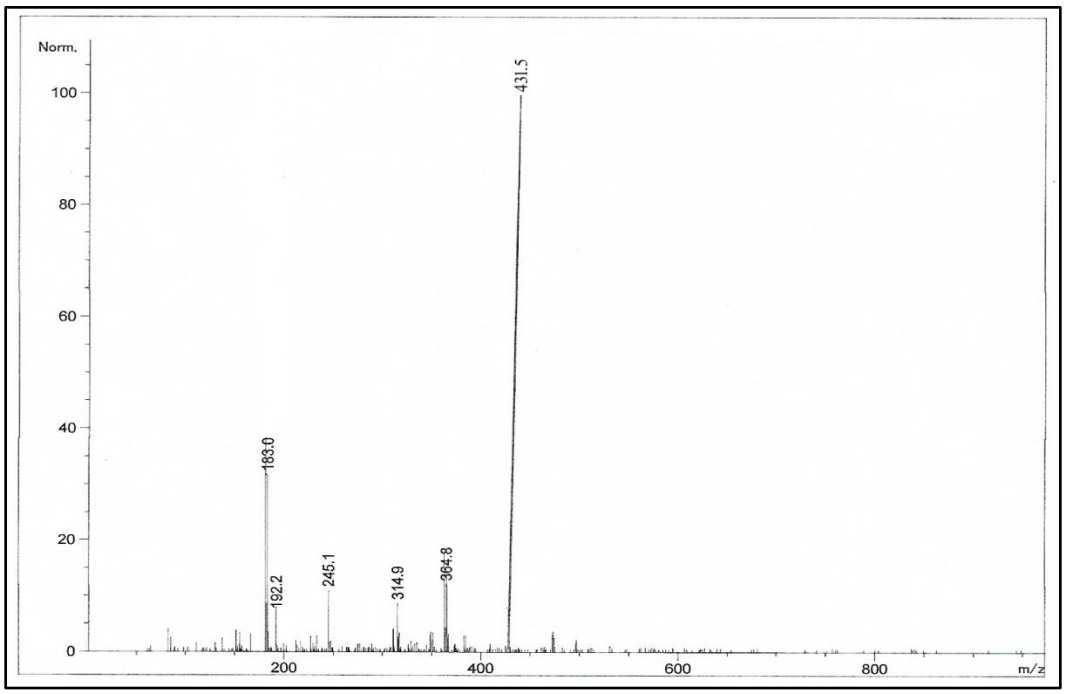

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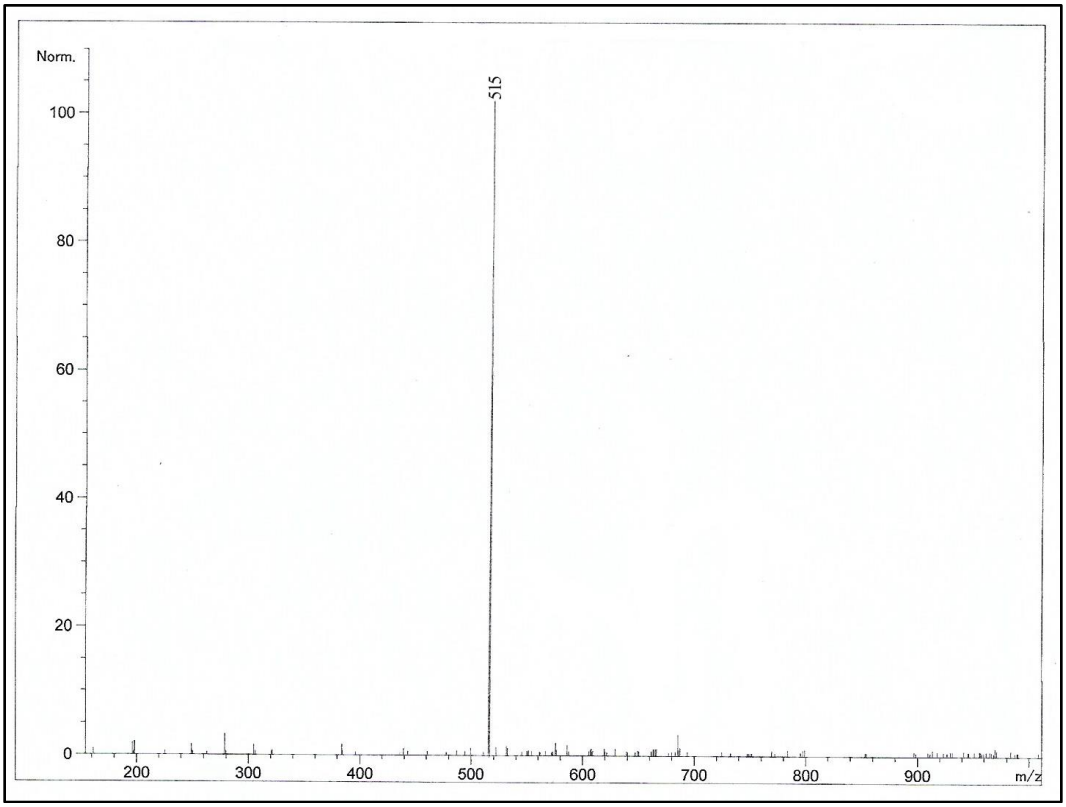

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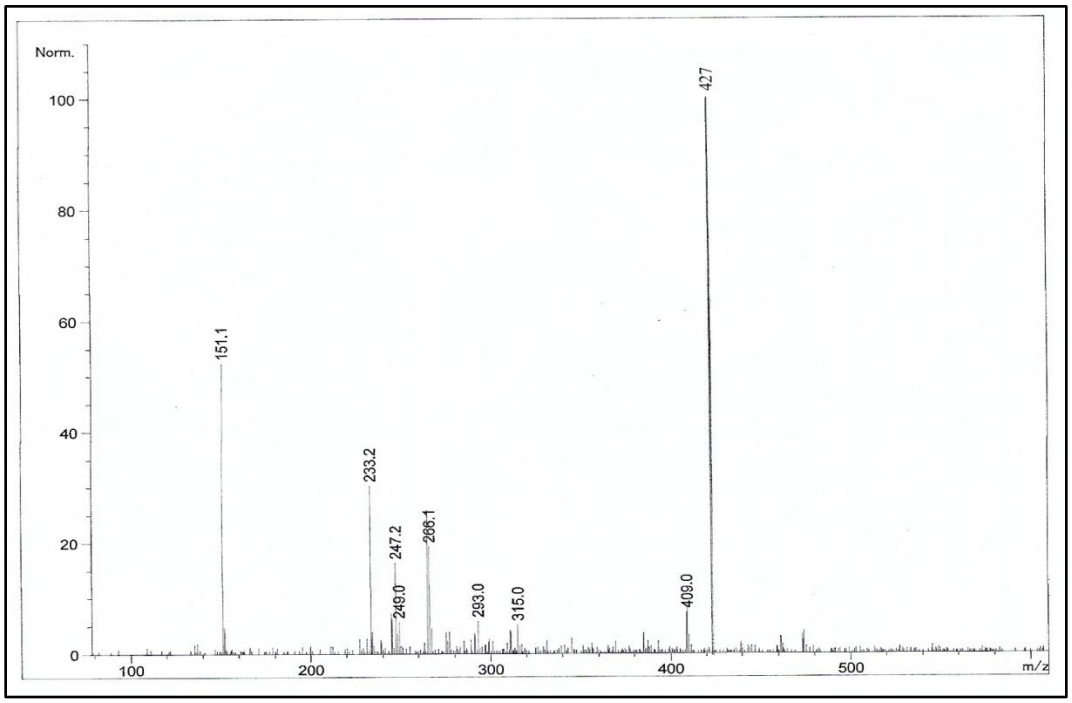

3-(4-Acetoxy-2-hydroxyphenyl)-5-(4-methoxystyryl)-1-phenylpyrazole

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Table S1. Analgesic activity by hot-plate method

Entry No.	Compound	Jumping response (mean ± S.E.M) at		Activity after	
		30 min	60 min	30 min	60 min
1	Control	1.5±0.83	1.33±0.51	-	-
2	pentazocine	4.4±1.42	7.91±0.80	ns	***
3	11	4.1±0.75	11.5±1.87	ns	***
4	12	8.5±1.04	5.83±1.47	***	**
5	13	4.8±0.82	6.5±2.16	*	***
6	14	8.3±2.08	10.0±1.41	***	***
7	15	5.0±0.83	13.8±2.92	*	***
8	16	6.7±0.95	11.0±1.41	***	***
9	17	8.5±3.10	12.0±2.36	***	***
10	18	6.8±1.94	12.6±2.25	***	***
11	19	10±2.70	12.5±1.87	***	***

Note: *=P<0.05, **=P<0.01, ***=P<0.001 as compared to control, as per one way analysis of variance (ANOVA) followed by Dunnett's multiple comparison test.

Table S2. Anti-inflammatory activity by carrageenan-induced method

S. No.	Compound	Paw edema (mean ± S.E.M) at		% of inhibition after	
		30 min	60 min	30 min	60 min
1	Control	4.98±0.20	5.01±0.26	-	-
2	Indo-methacin	3.51±0.27	2.18±0.17	29.5	56.4
3	11	4.45±0.32	2.73±0.30	10.6	45.5
4	12	4.33±1.17	2.65±0.32	13.0	47.1
5	13	4.41±0.24	3.11±0.66	11.4	37.9
6	14	4.85±1.17	3.55±0.50	2.6	29.1
7	15	4.33±0.05	3.32±0.27	13.0	33.7
8	16	4.41±0.24	2.35±0.18	11.4	53.0
9	17	4.85±0.16	2.25±0.44	2.6	55.0
10	18	4.76±0.16	3.38±0.33	4.4	32.5
11	19	4.80±0.10	3.36±0.22	3.6	32.9

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