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Table S1. Results from CYP2B1 hydroxylation of probe **2-4** and **6**.

Substrate	Yield of products in nmol				C/A[a]	% Conv.[b]	% Rec.[c]	Turnover[d]
	Acyclic Alcohol	Cyclic Alcohol	Ketone	Phenol				
2	11.8	242.9	11.9	14.2	21.6	15.7	58.3	485
2	10.4	249.0	12.0	14.4	25.1	16.1	55.1	496
2	7.8	199.1	7.6	14.3	26.5	12.9	57.2	394
2	9.3	210.8	7.9	15.5	23.5	13.7	52.7	419
2	9.6	241.0	9.1	16.8	26.3	20.2	61.2	476
2	10.1	260.7	10.6	19.4	26.8	22.0	65.5	519
2	8.6	214.5	6.9	15.4	25.8	17.9	76.3	420
2	8.6	209.0	8.7	16.3	25.4	17.7	69.3	419
3	2.1	105.5	8.7	14.2	54.5	8.4	68.0	218
3	2.9	129.4	6.6	17.4	46.9	10.0	66.8	260
3	3.0	157.2	8.0	20.4	55.1	12.1	72.2	314
3	3.3	158.9	5.0	25.0	49.7	12.3	70.1	320
4	<0.5	87.9	NA[e]	8.2	>100.0	6.7	84.4	160
4	<0.5	149.8	NA	19.5	>100.0	11.8	74.0	282
4	<0.5	117.4	NA	12.8	>100.0	9.0	79.5	217
4	<0.5	151.5	NA	20.3	>100.0	11.8	78.3	286
6	2.6	69.9	23.4	NA	35.9	7.6	70.4	160
6	3.8	84.3	26.2	NA	29.1	9.1	66.7	190
6	4.1	87.3	26.9	NA	27.9	9.4	74.1	197
6	3.1	73.0	20.6	NA	29.9	7.7	77.8	161

[a]Ratio of cyclic to acyclic products. [b]Percent conversion of substrate. [c]Percent recovery of substrate. [d]Number of enzyme turnovers. [e]Not applicable.

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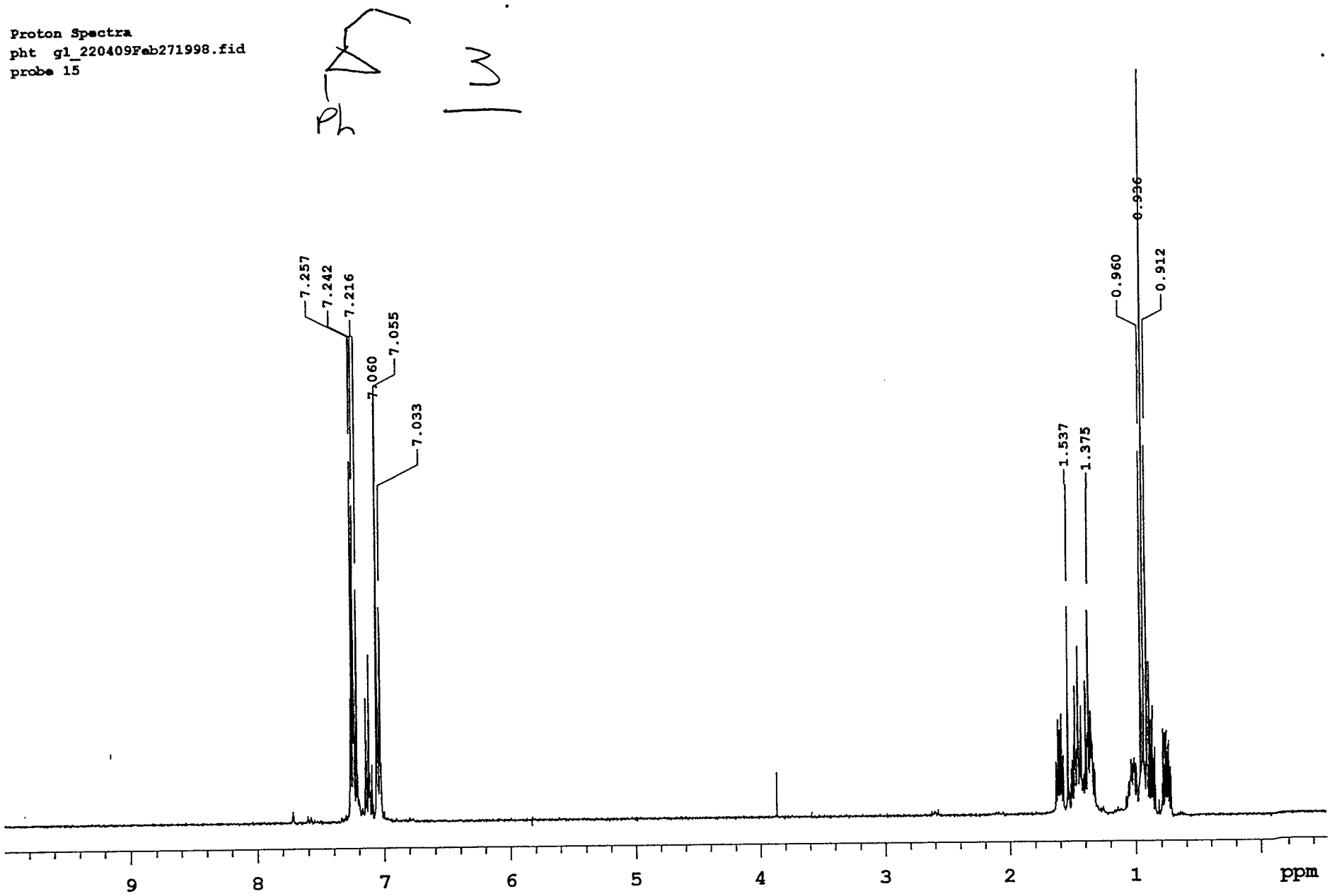

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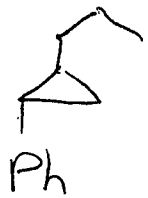

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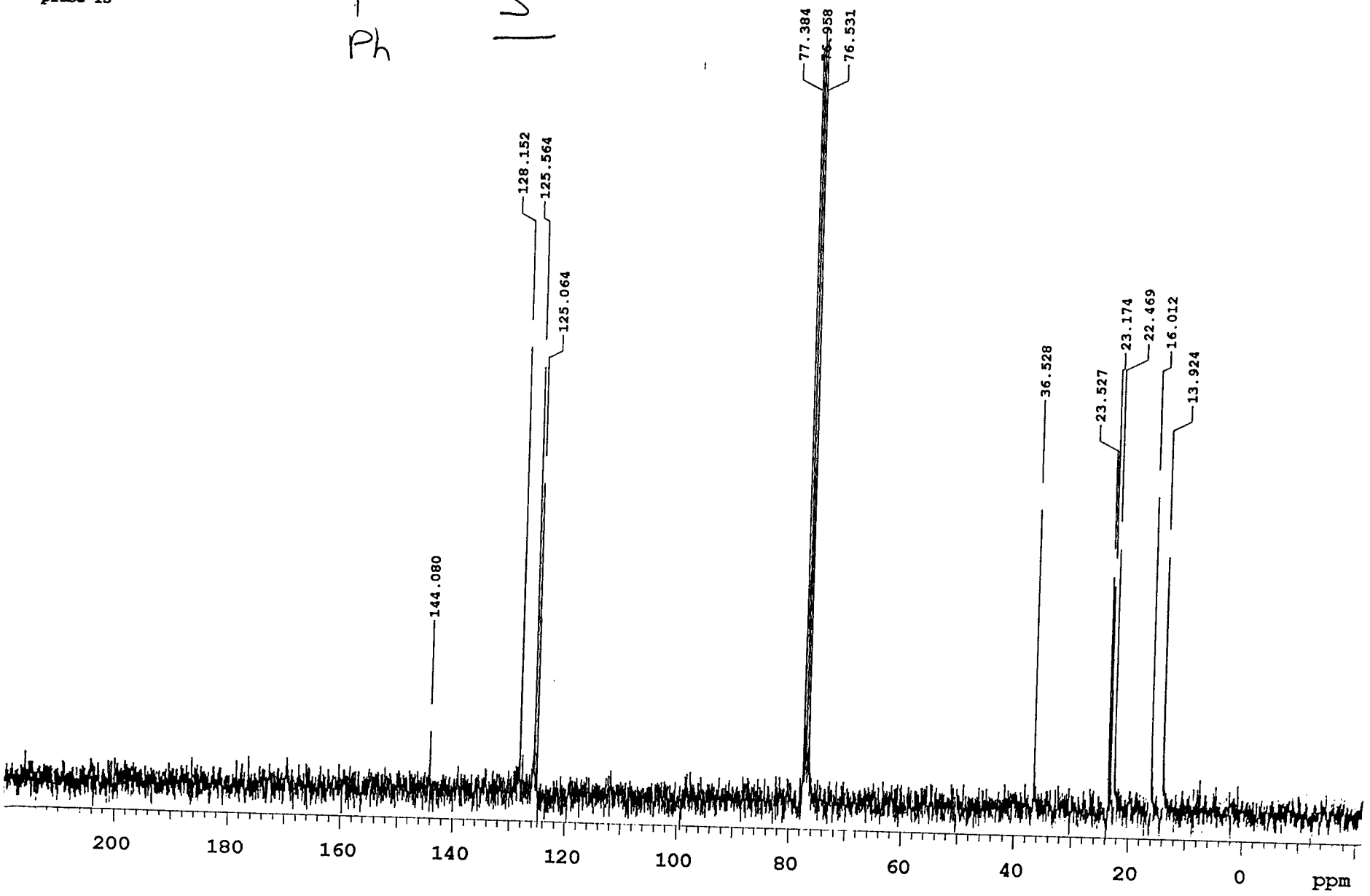

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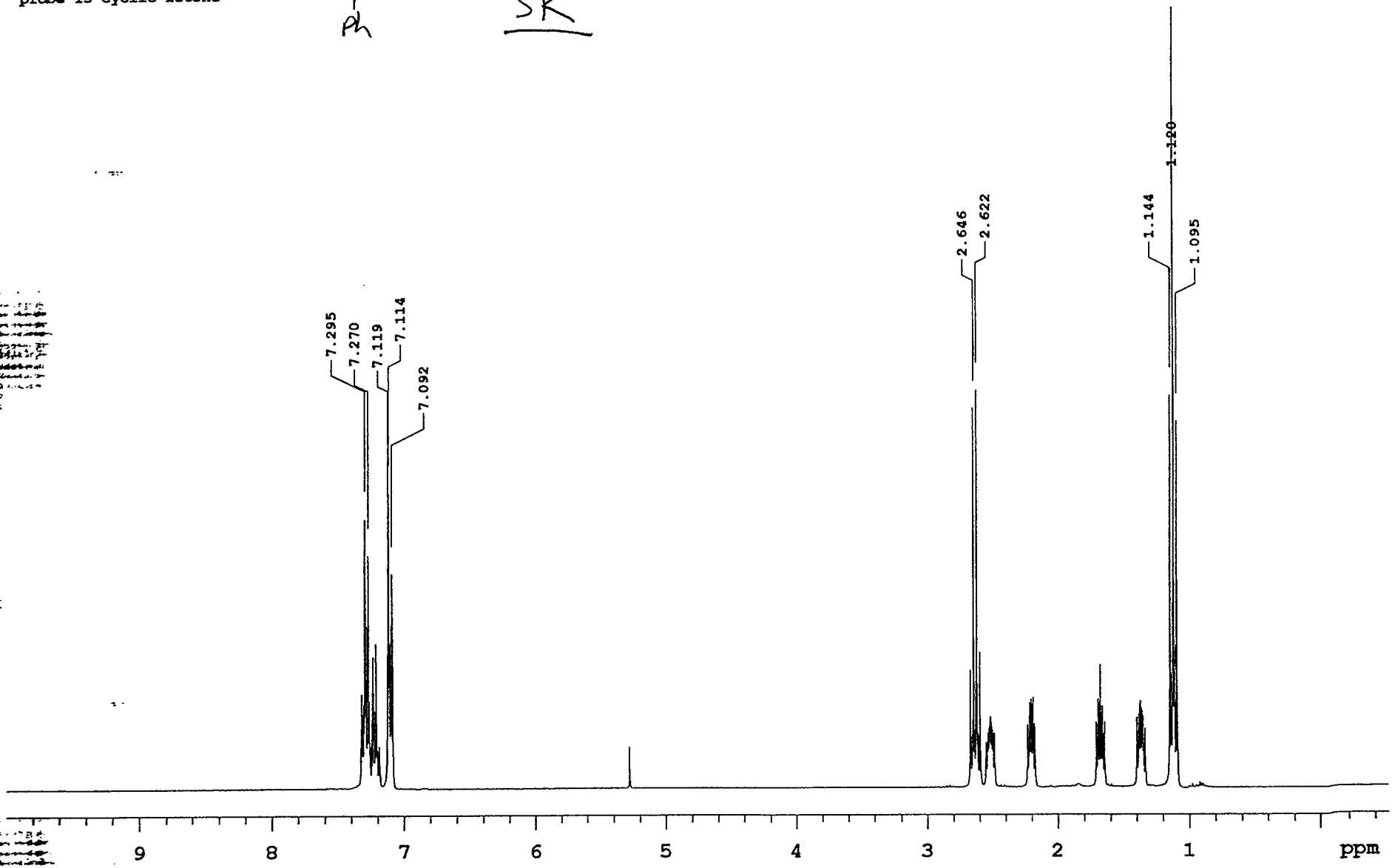

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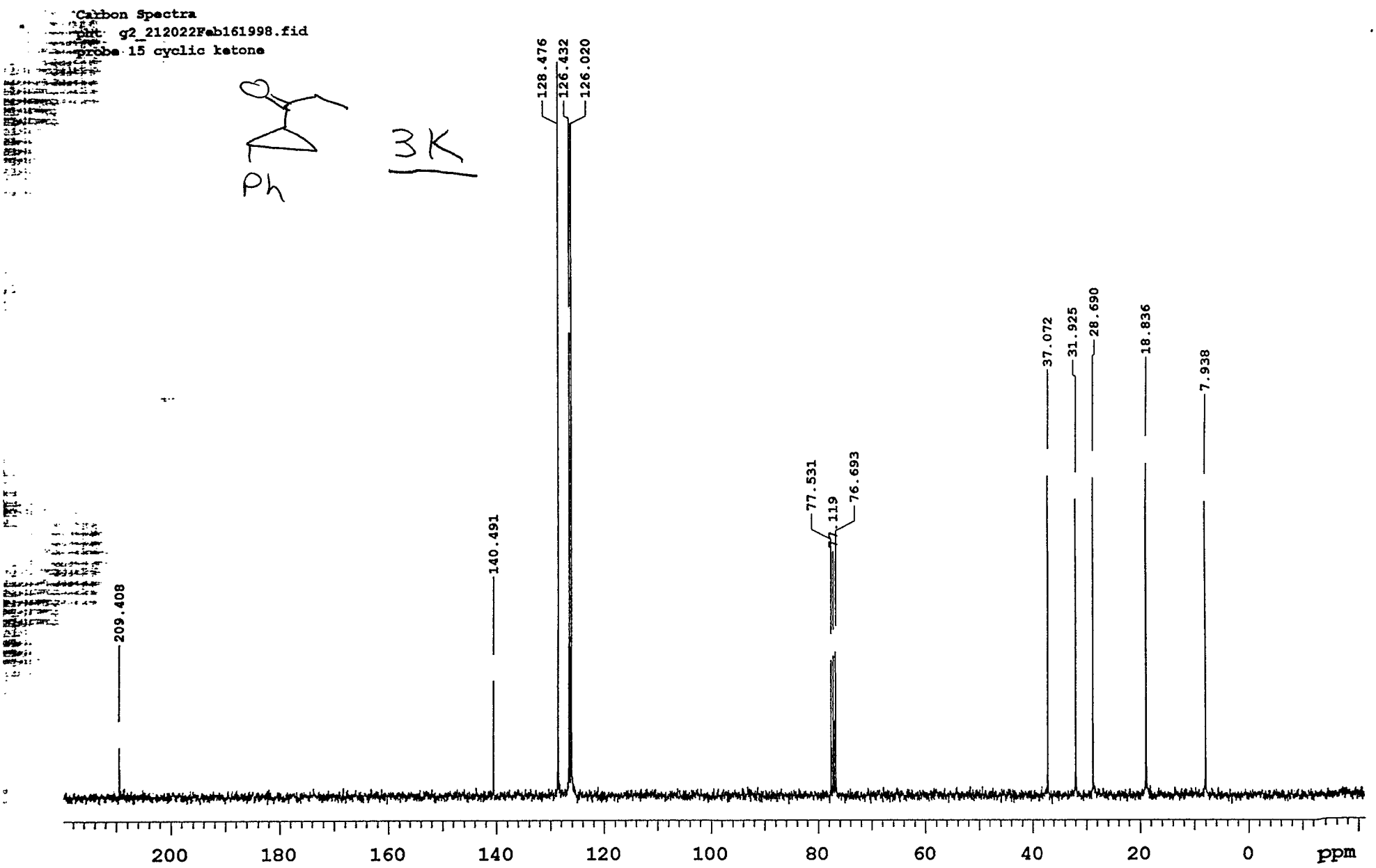

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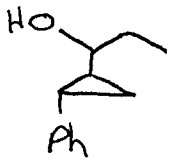

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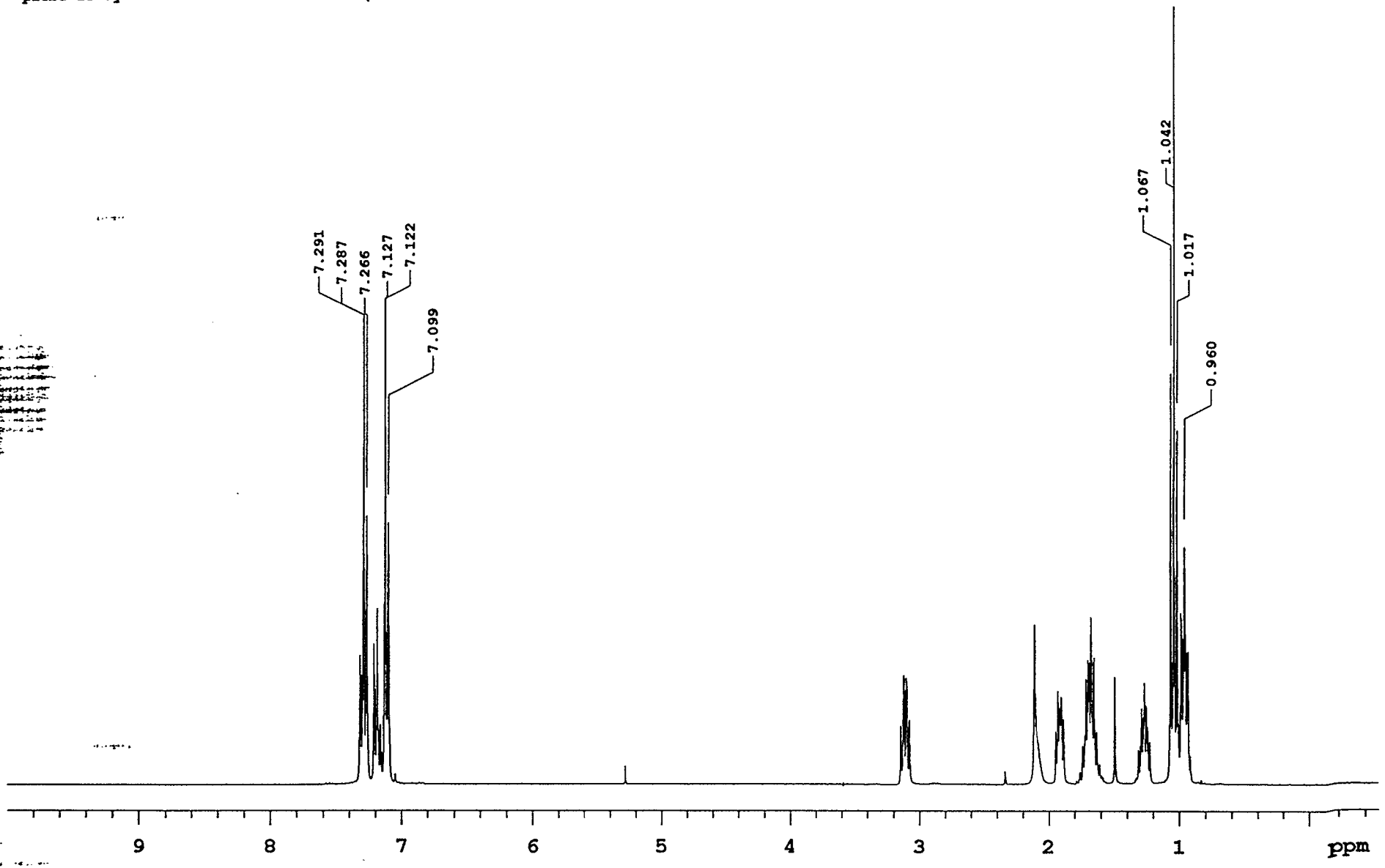

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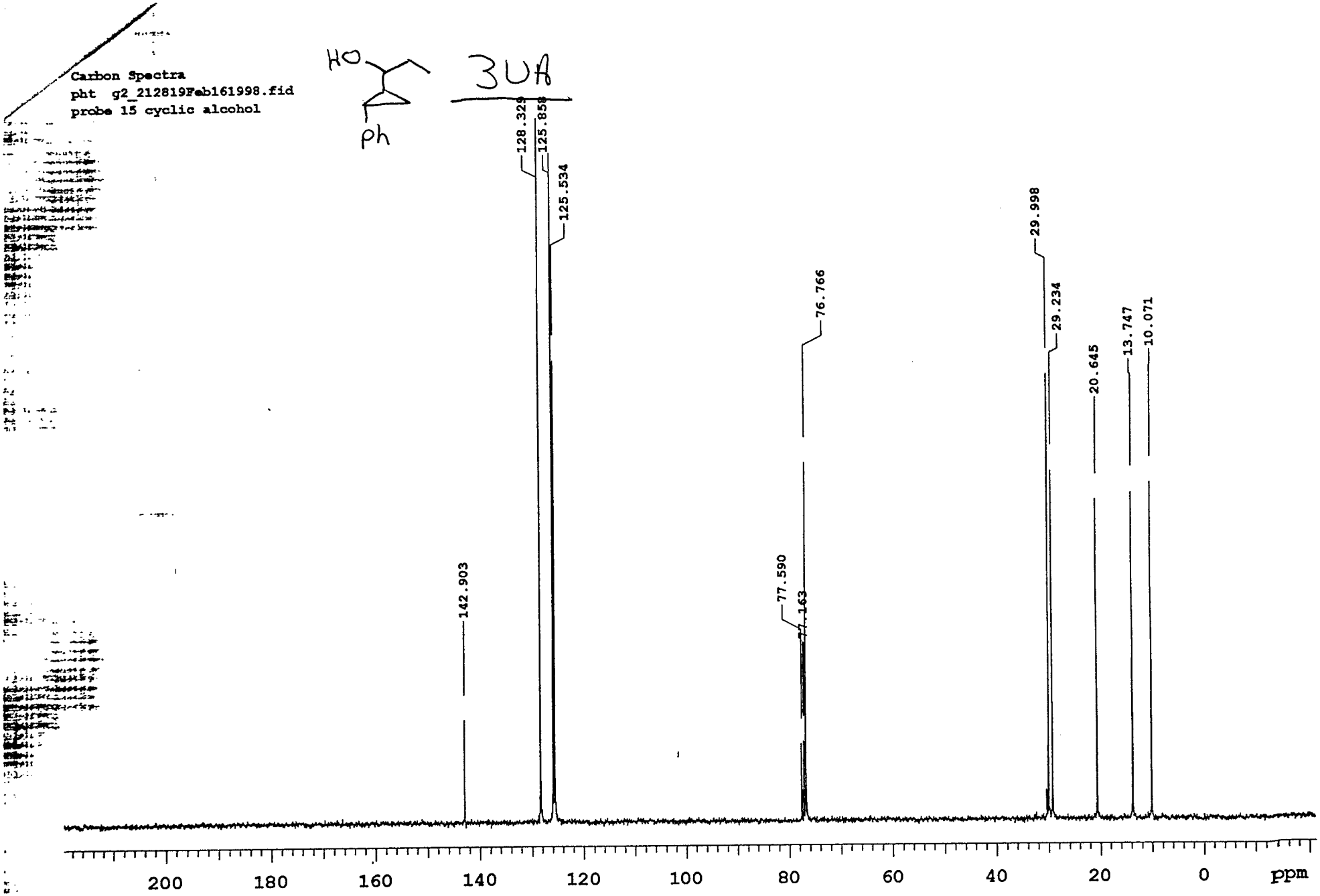

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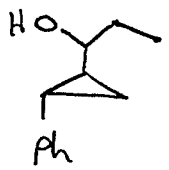

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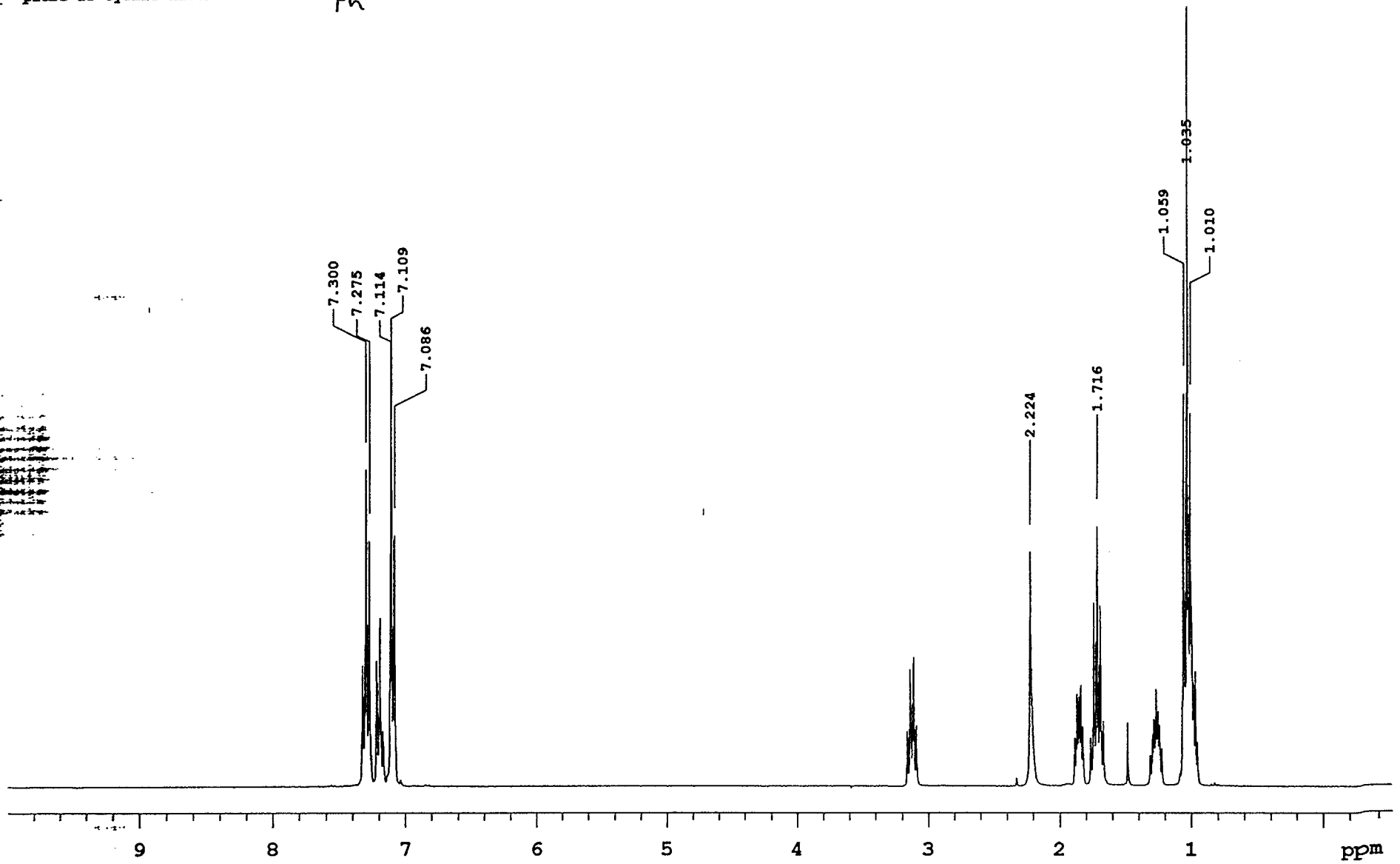

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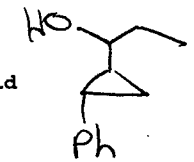

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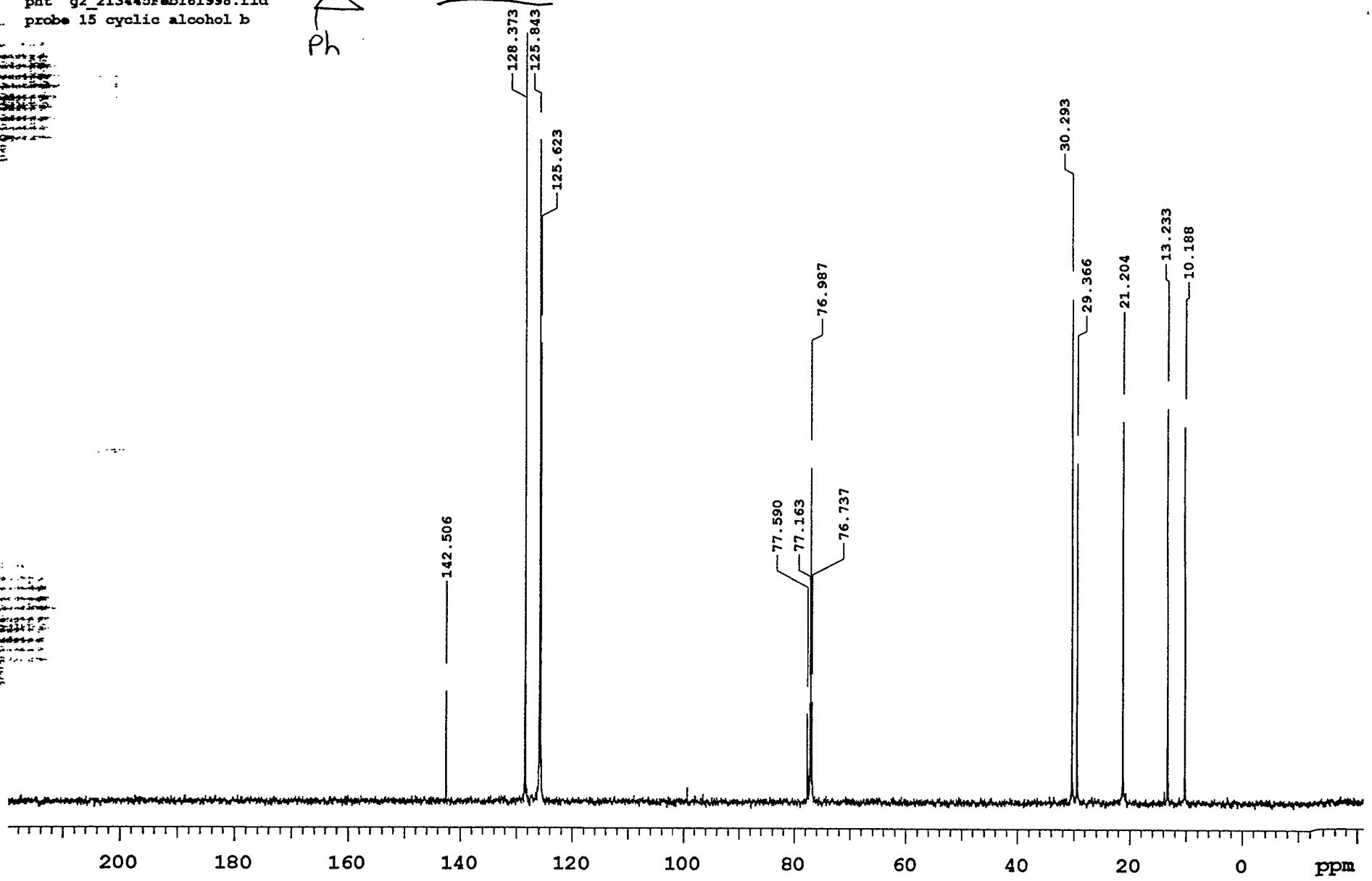

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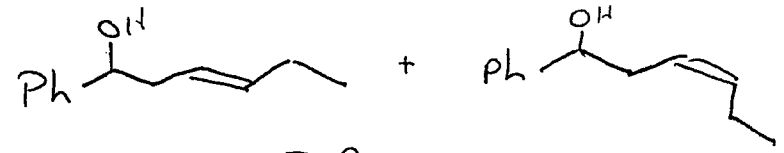

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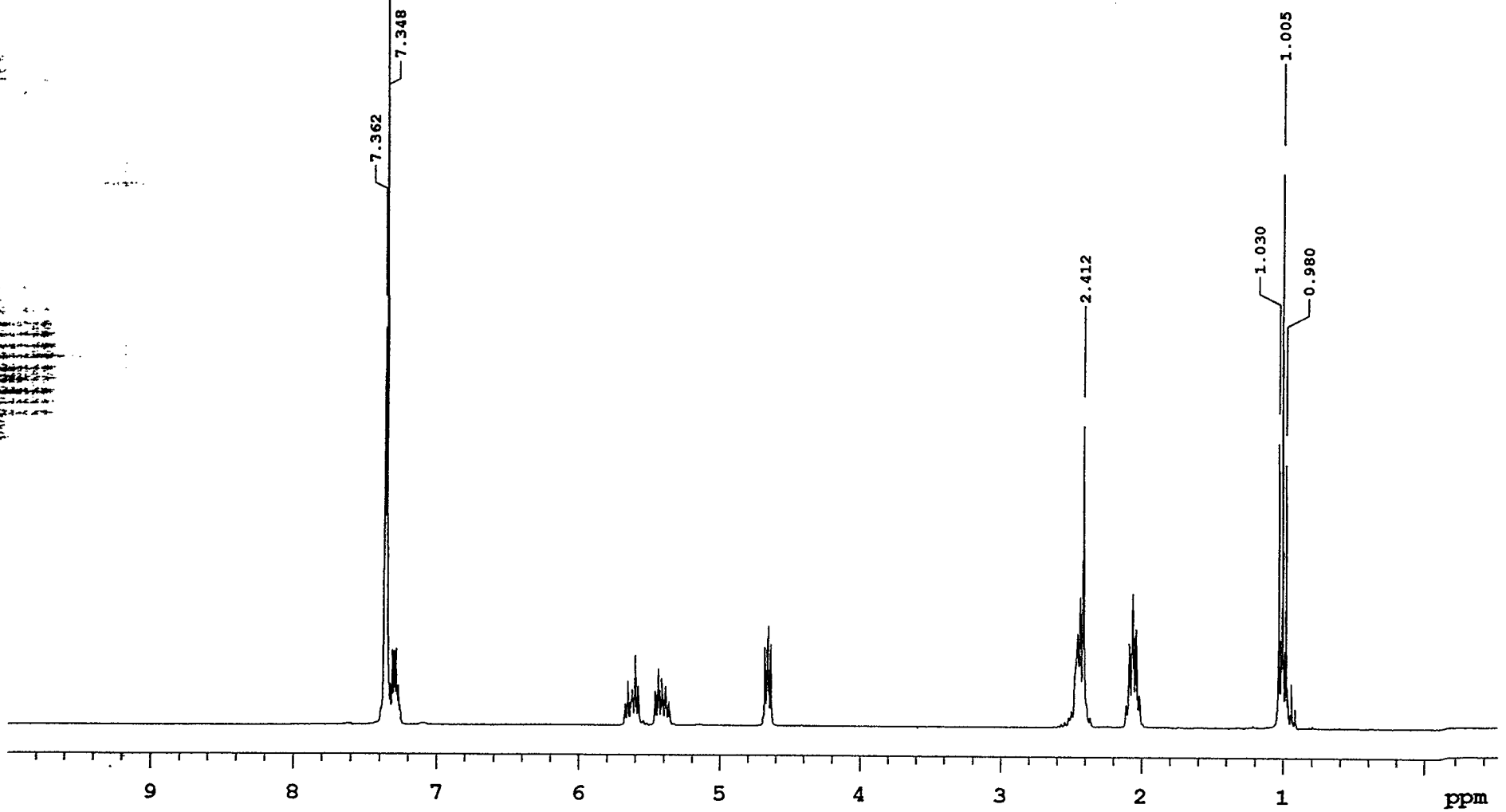

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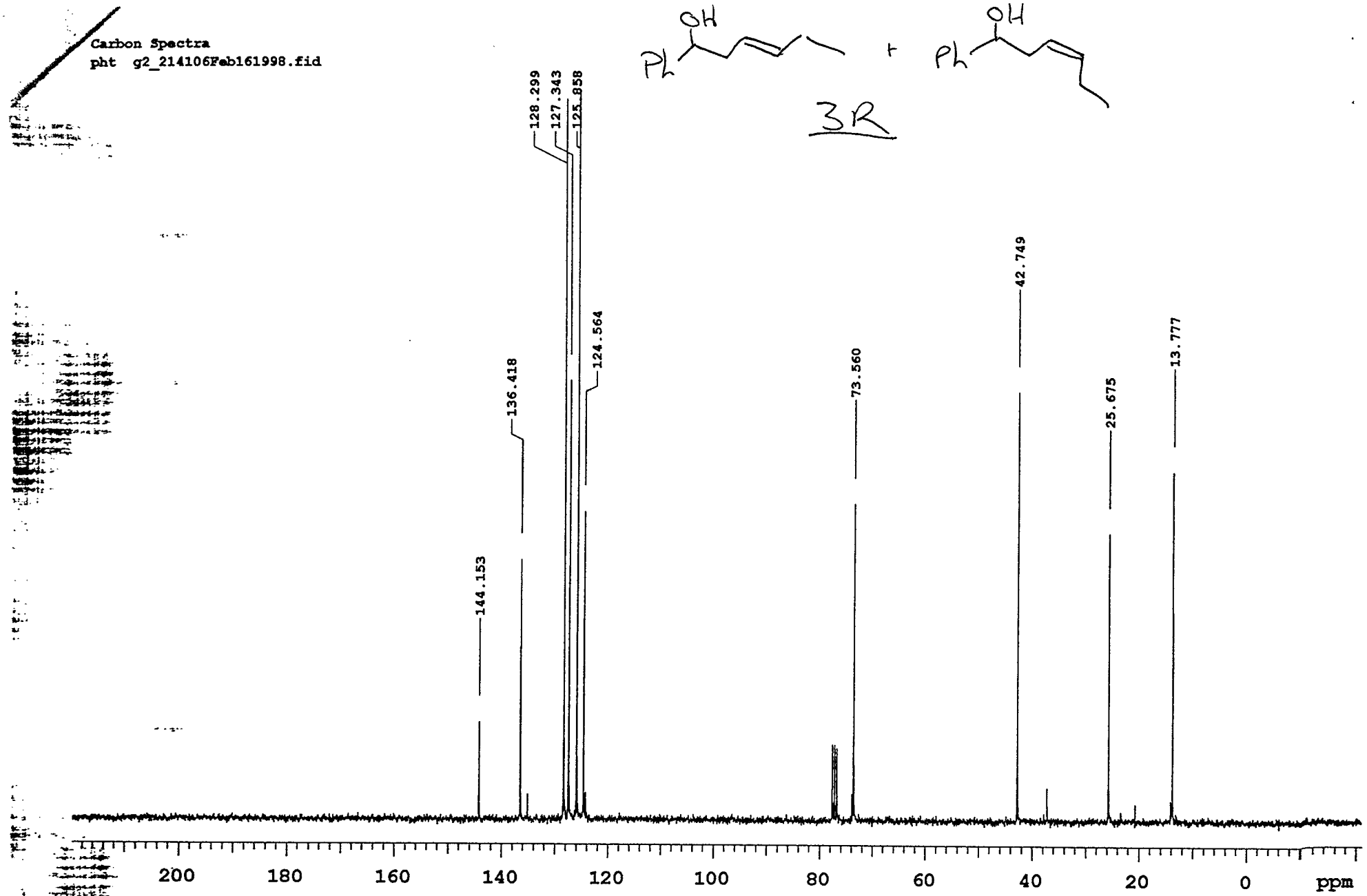

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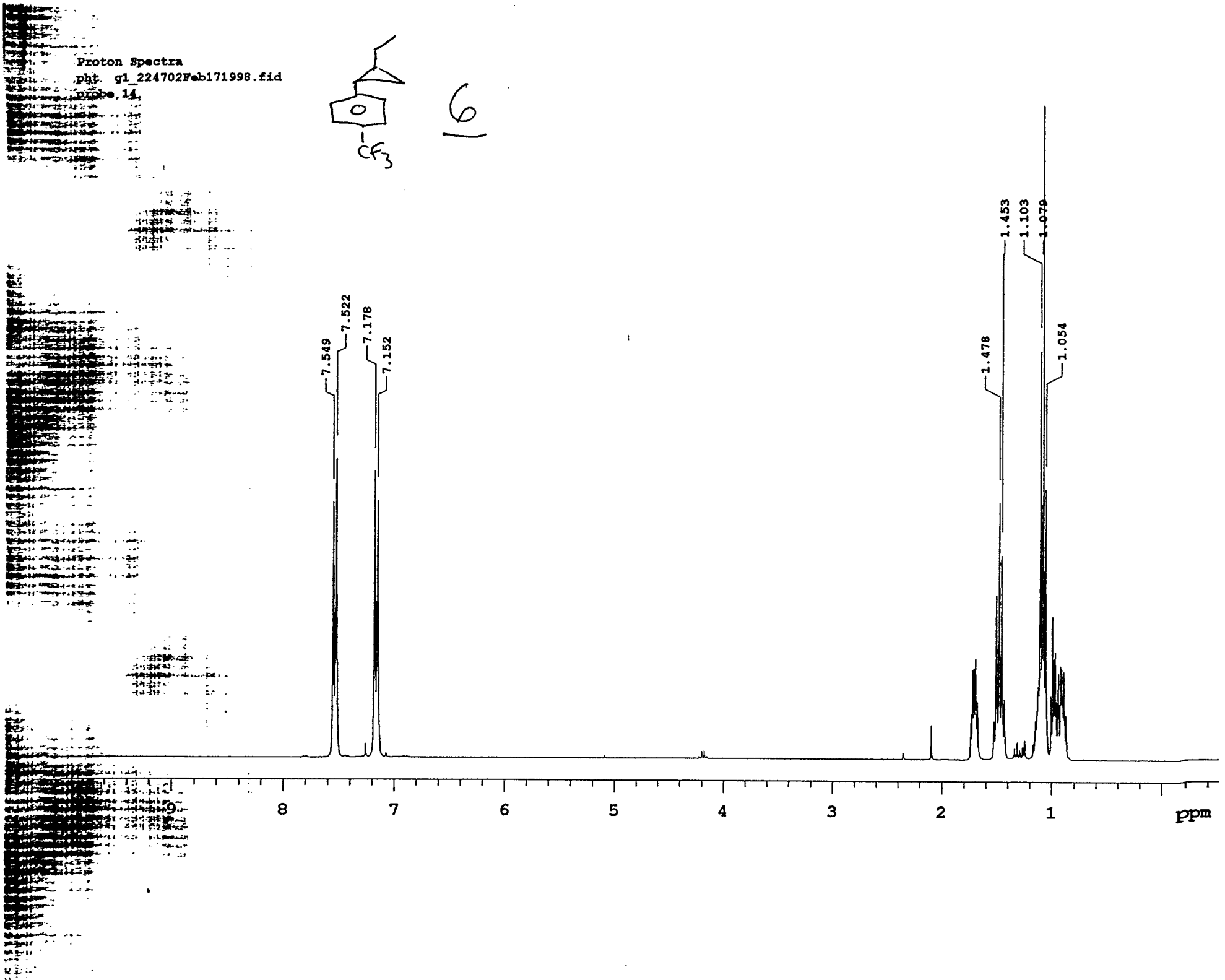

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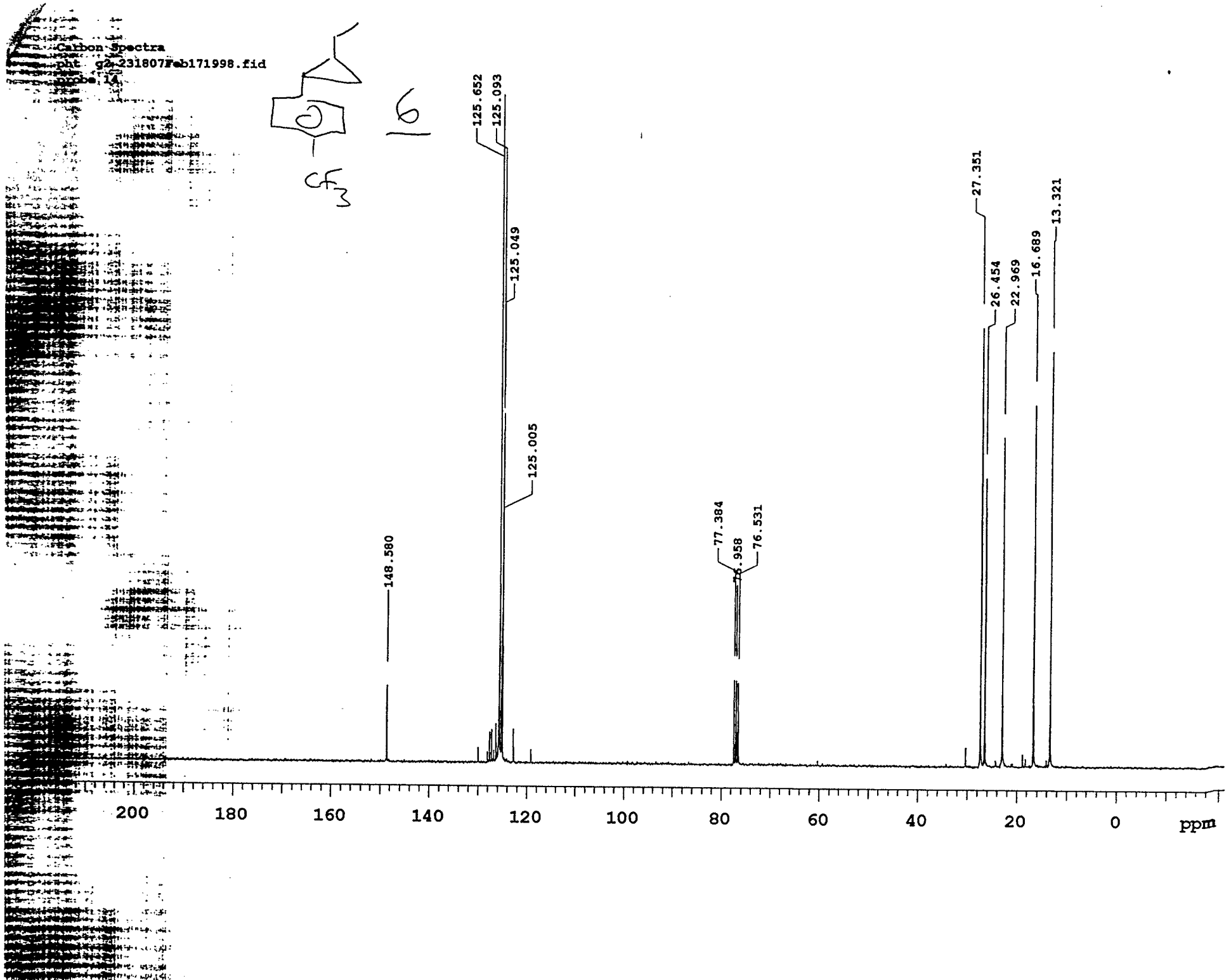

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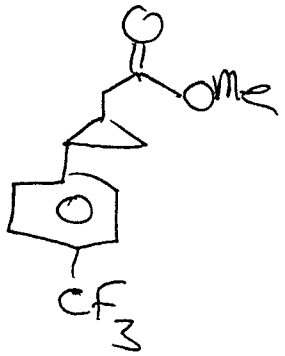

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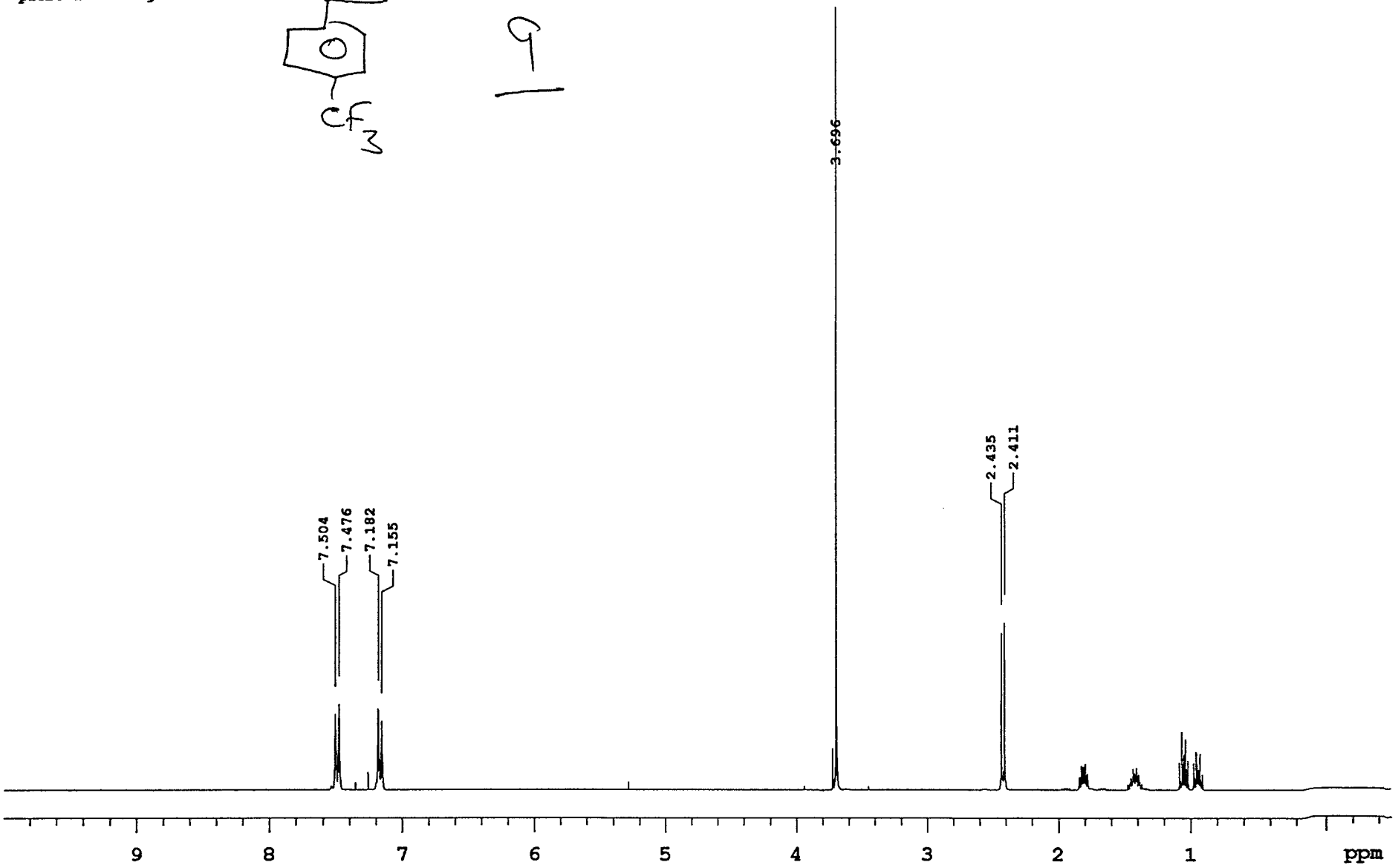

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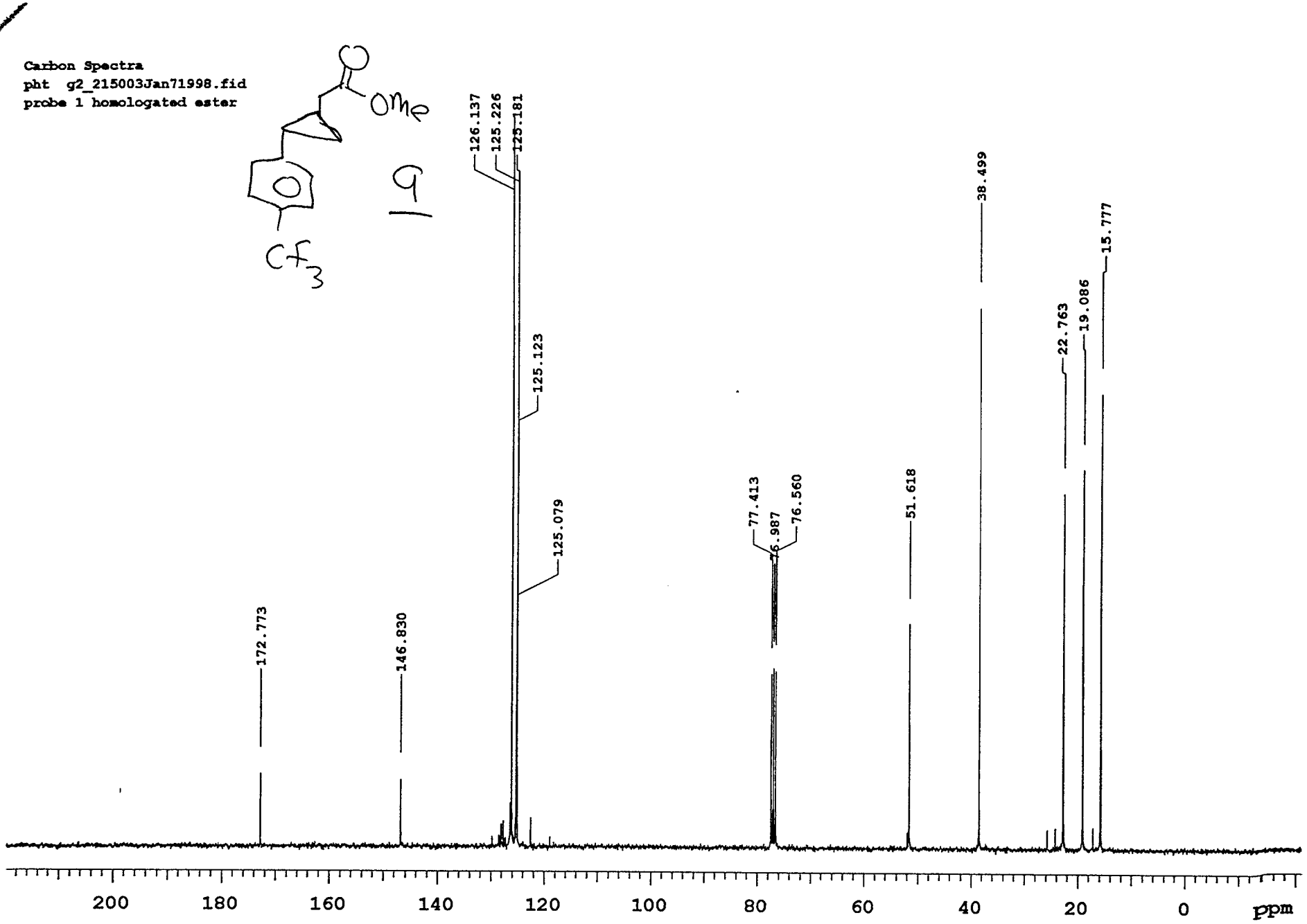

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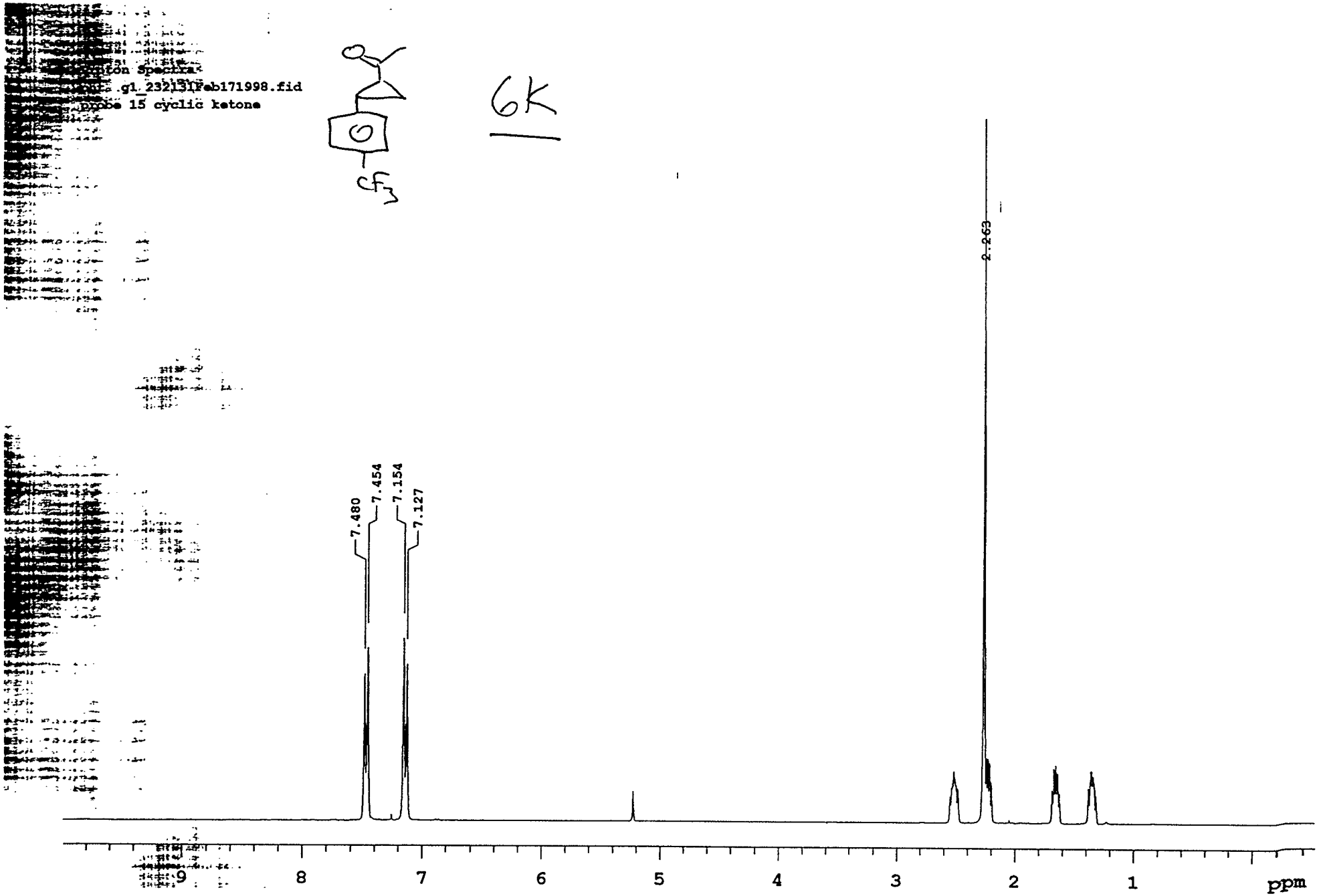

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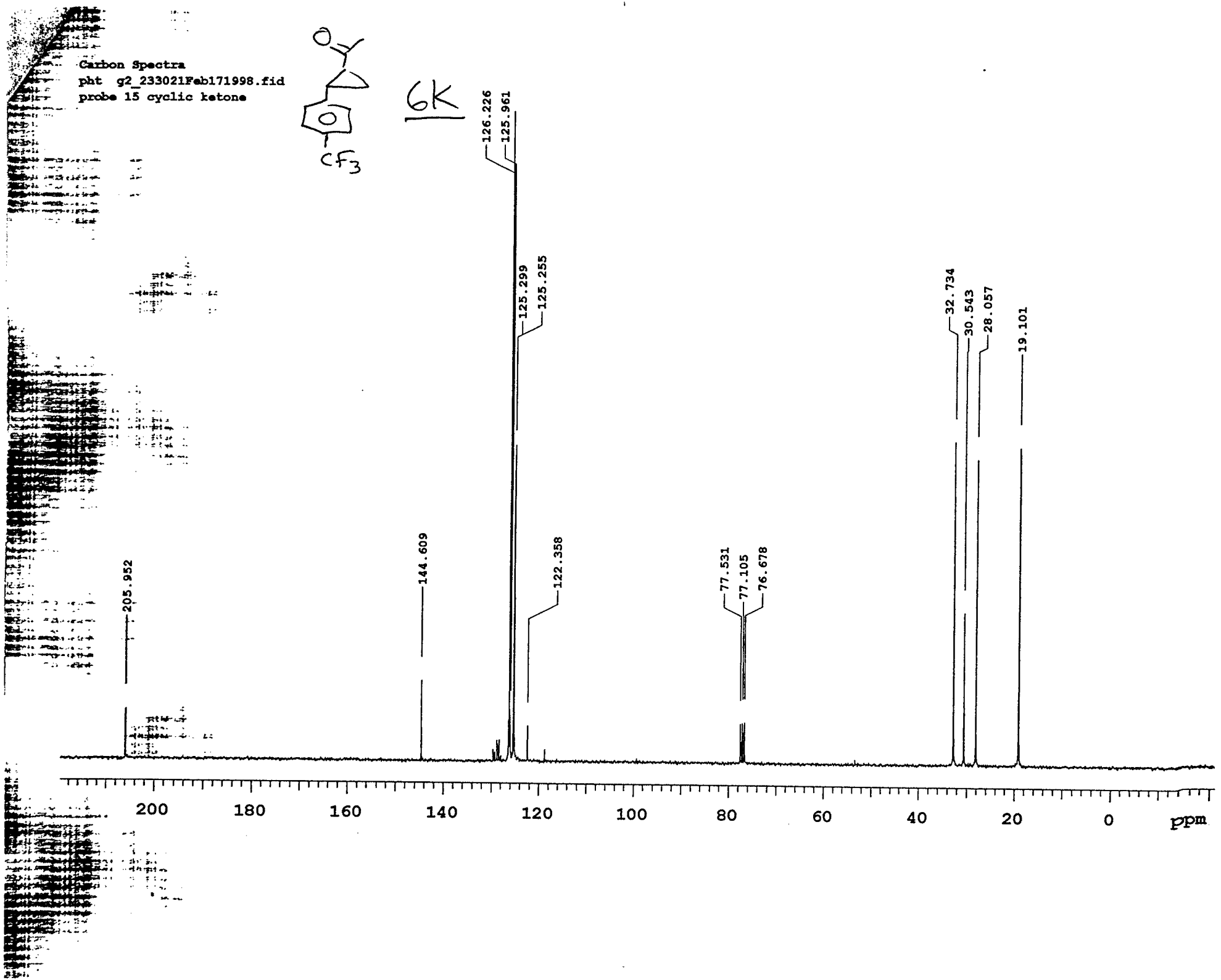

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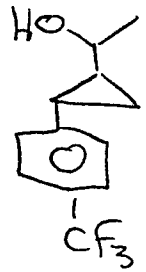

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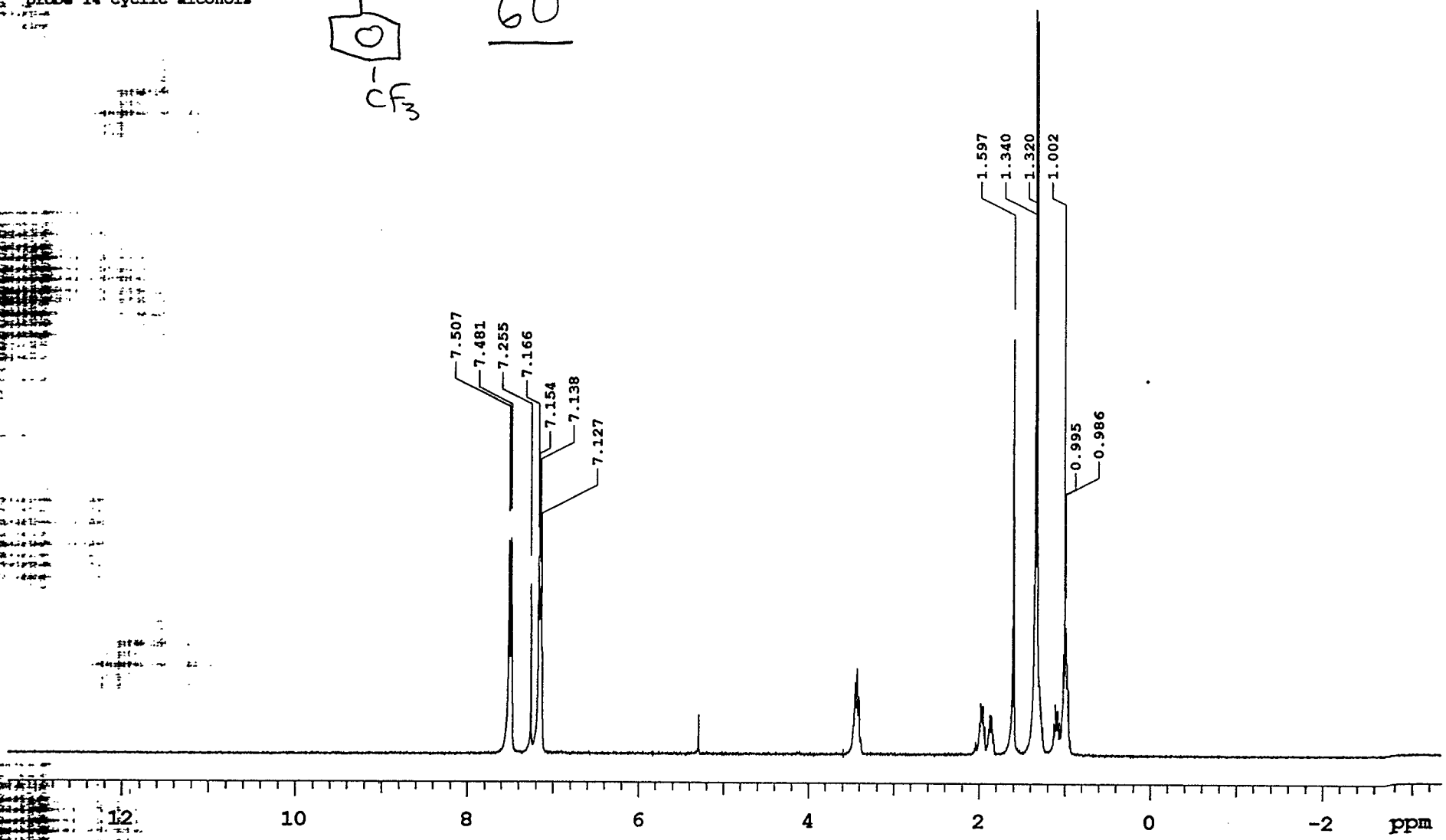

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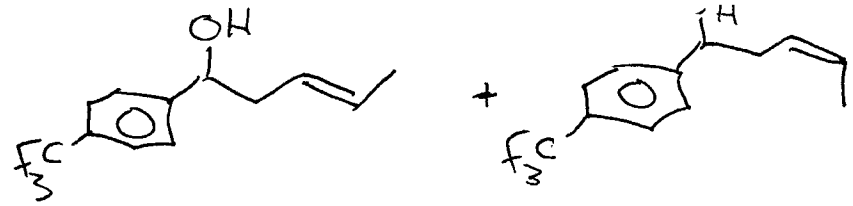

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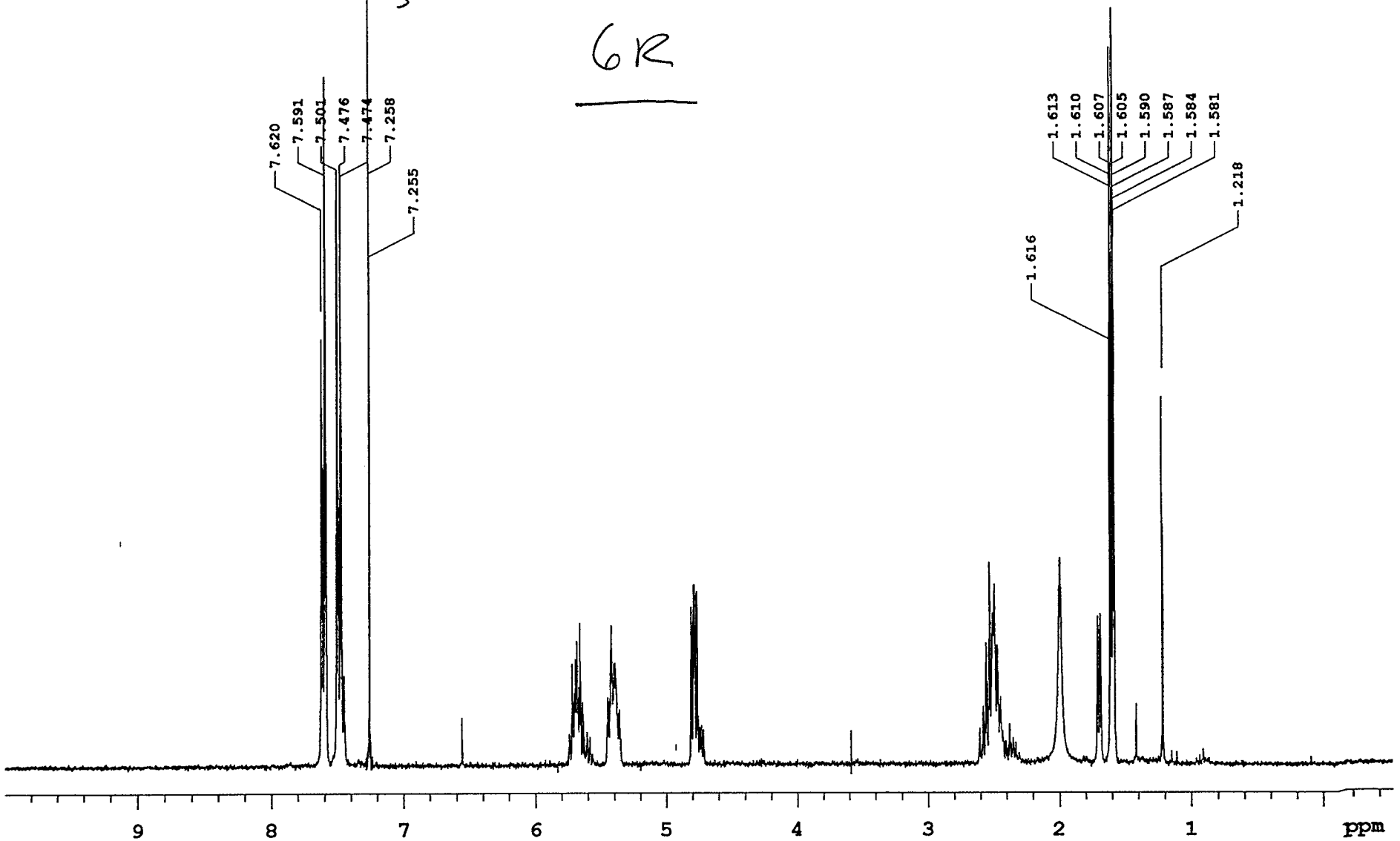

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