

Supplementary Material

***N*-Difluoromethylpyrazoles: in-demand and now available fluorinated building blocks**

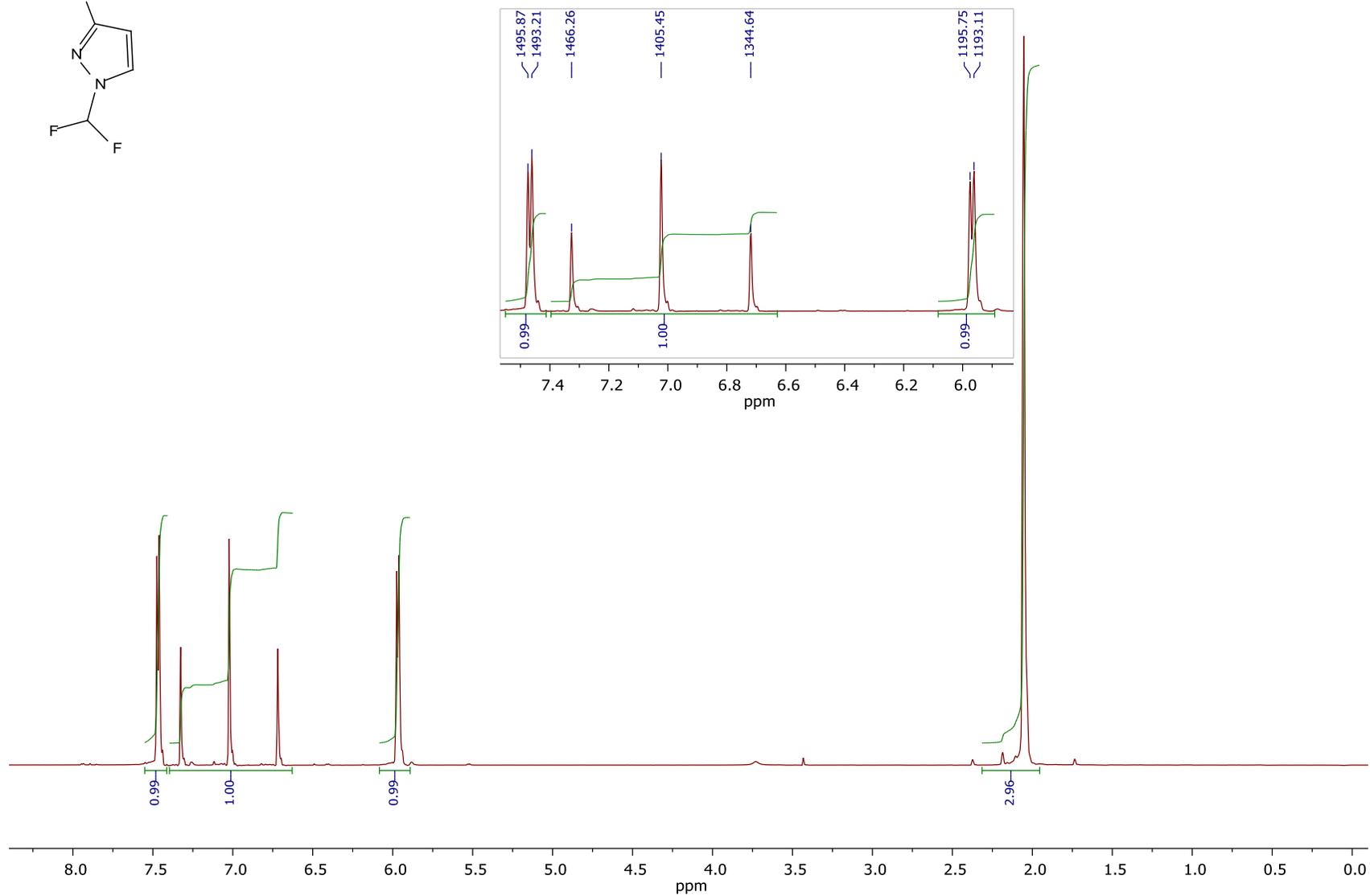
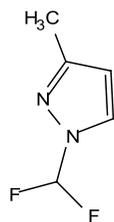
Bogdan Ugrak, Tatyana Dutova, Vyacheslav Rusak, and Evgeny Tretyakov*

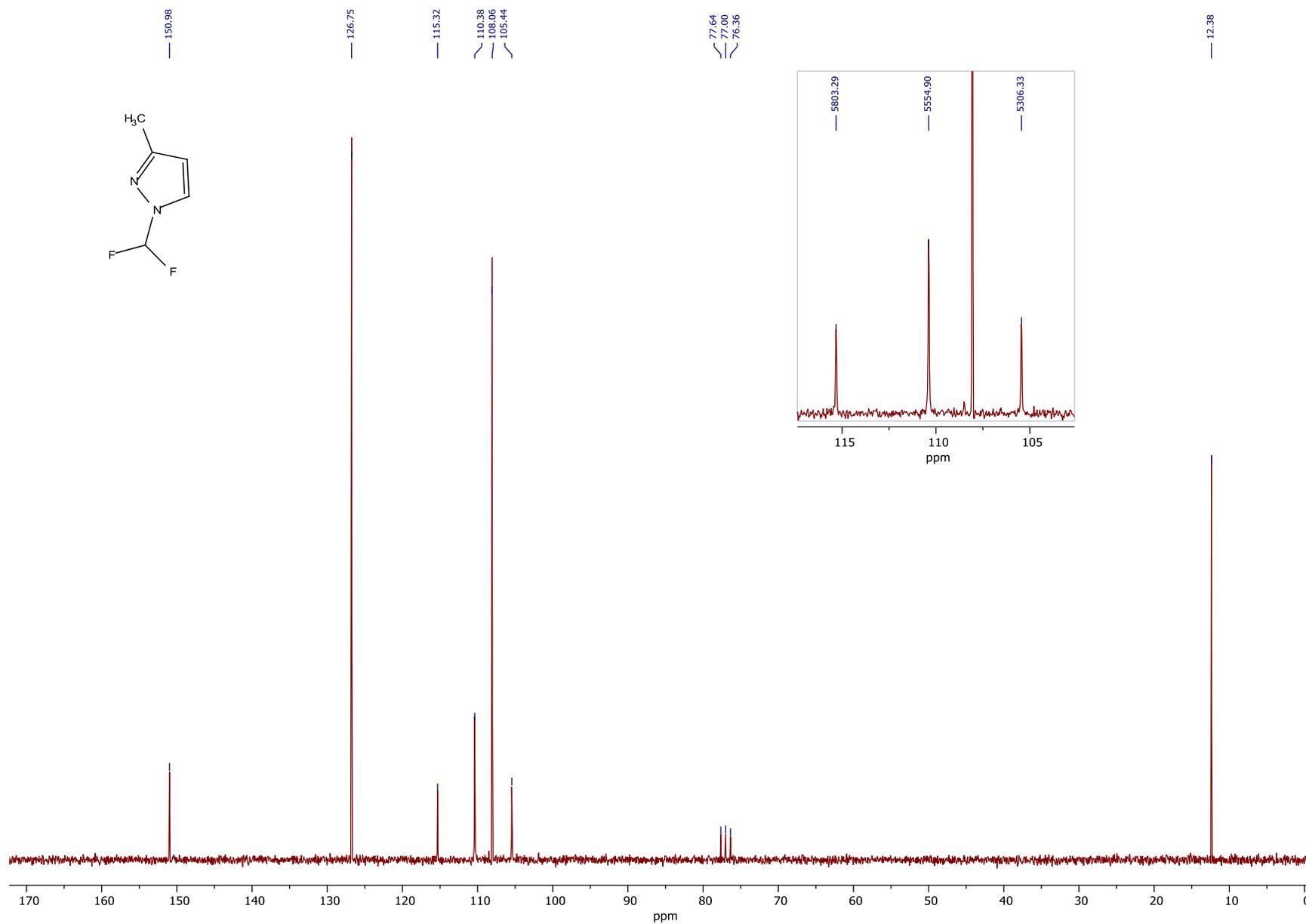
*N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Leninsky Av. 47,
Moscow 119991, Russian Federation*

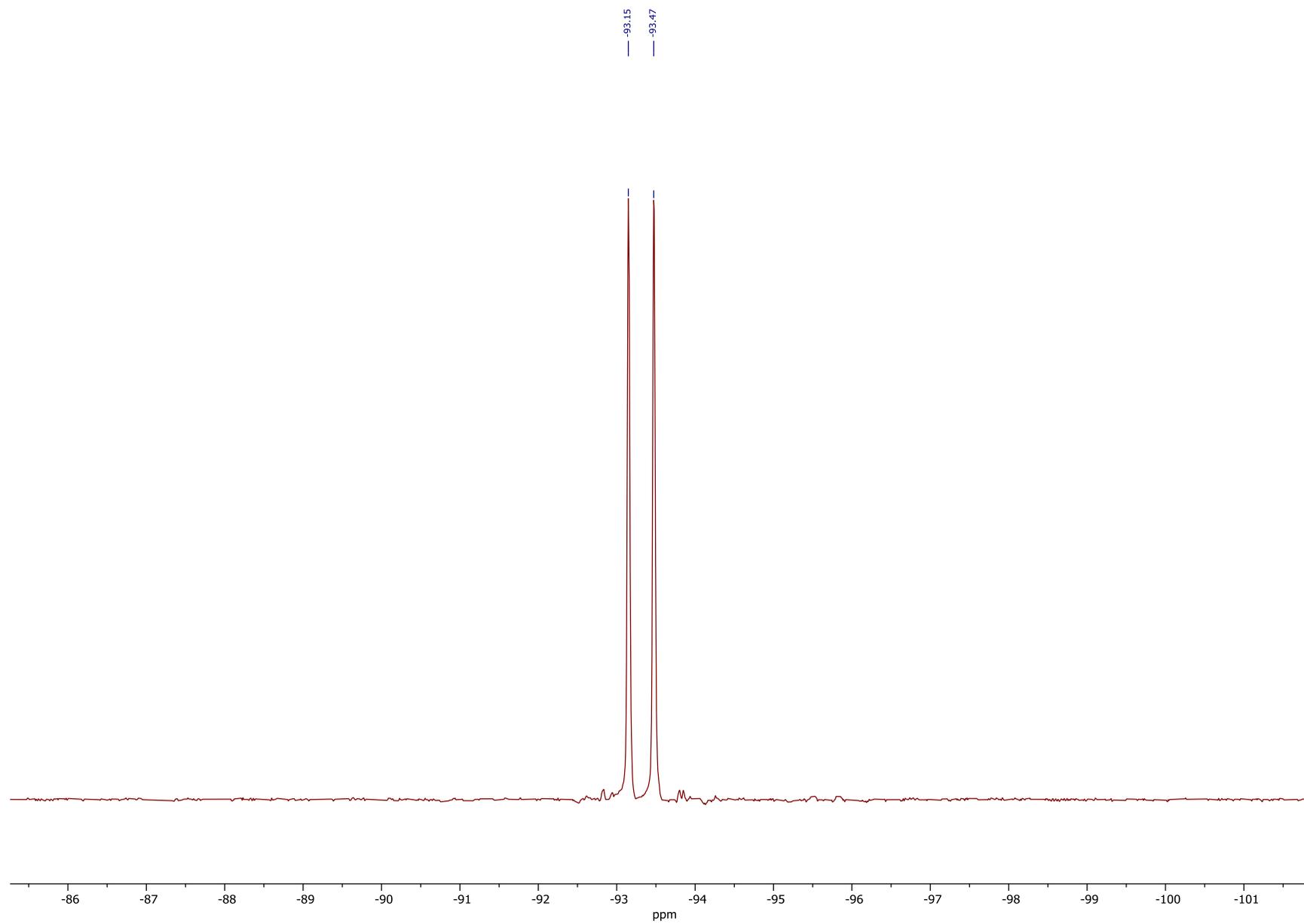
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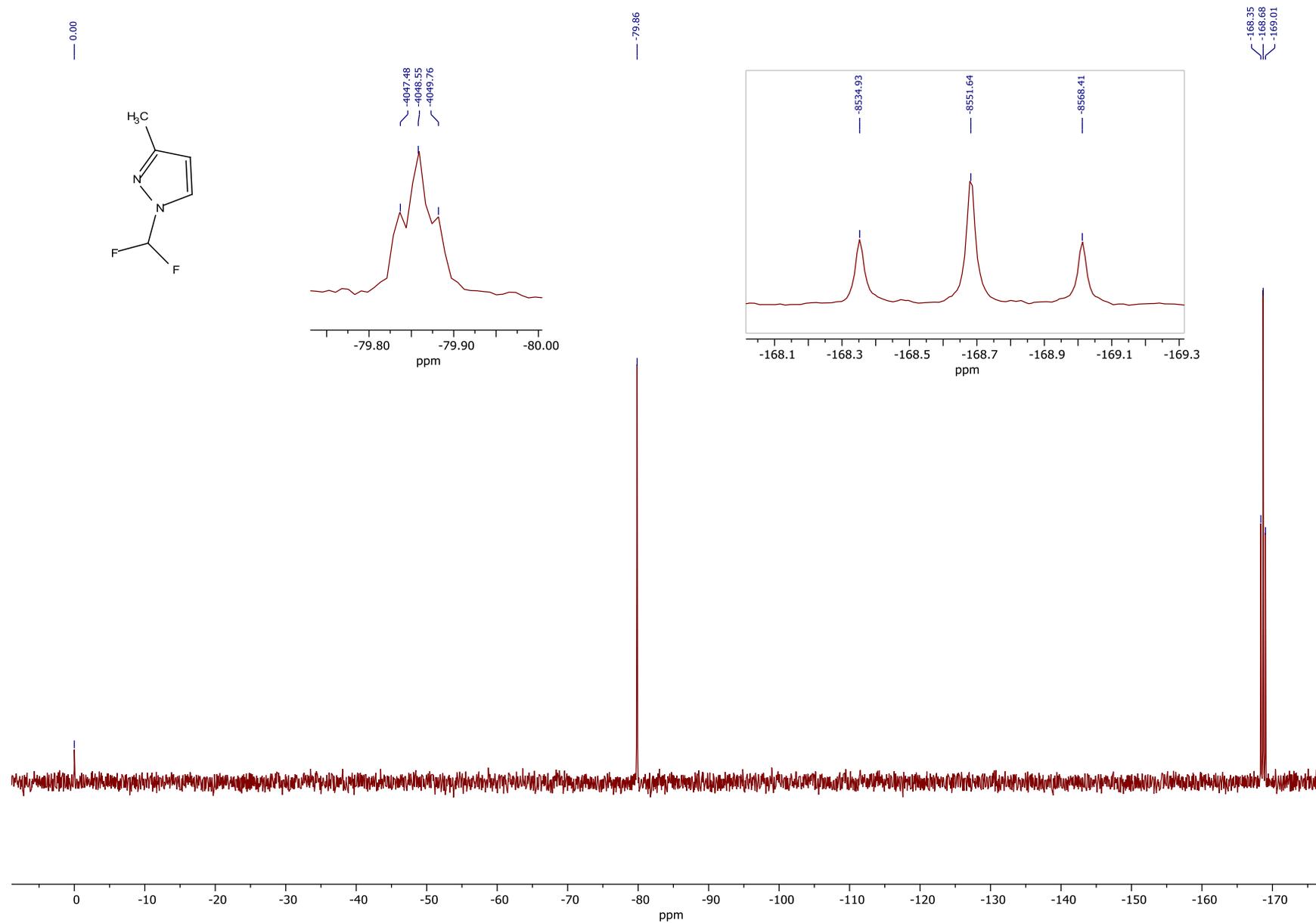
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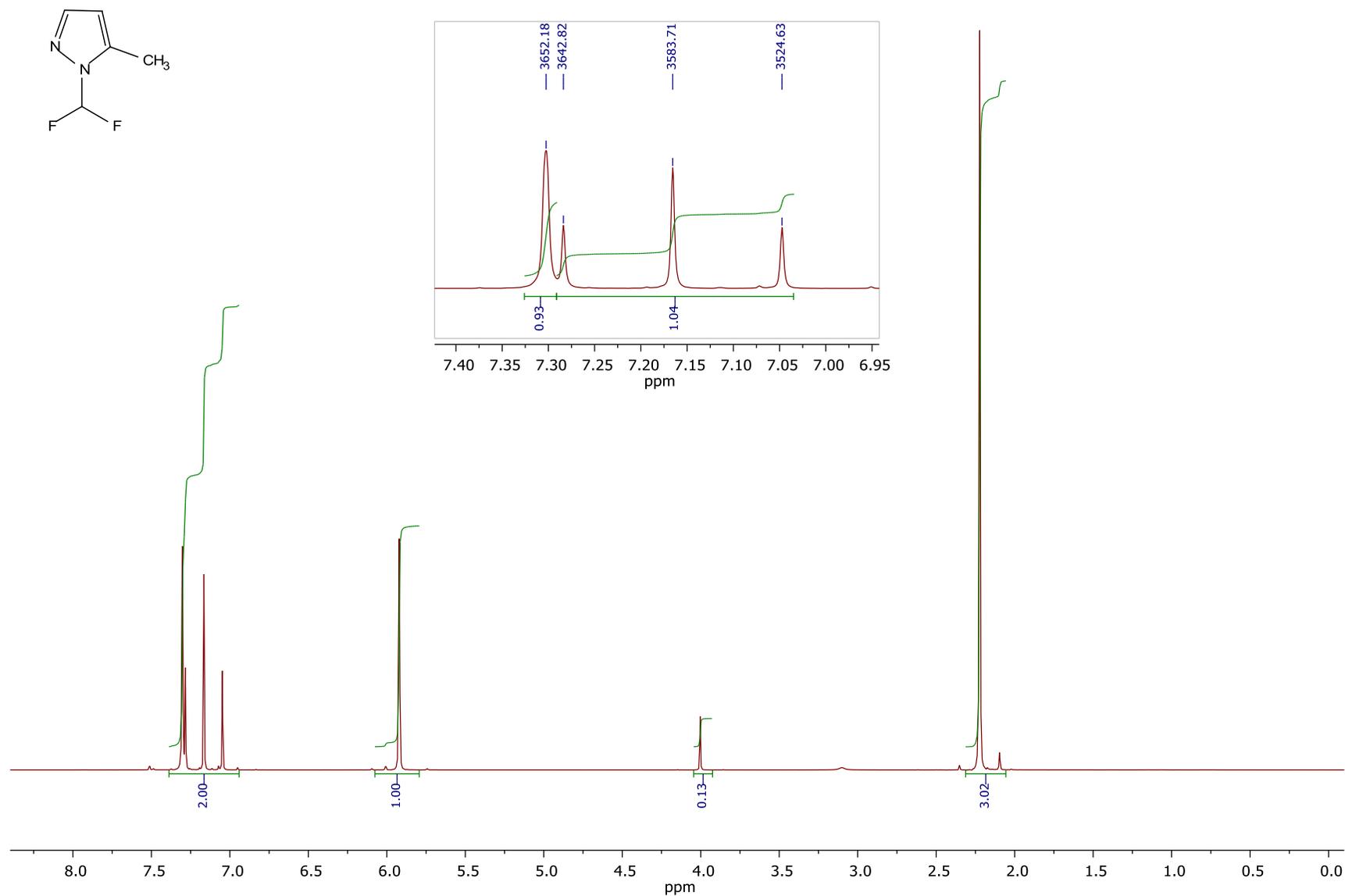
¹H, ¹³C and ¹⁹F NMR spectra of all compounds and ¹⁵N NMR spectra of **2a** and **2b** S2

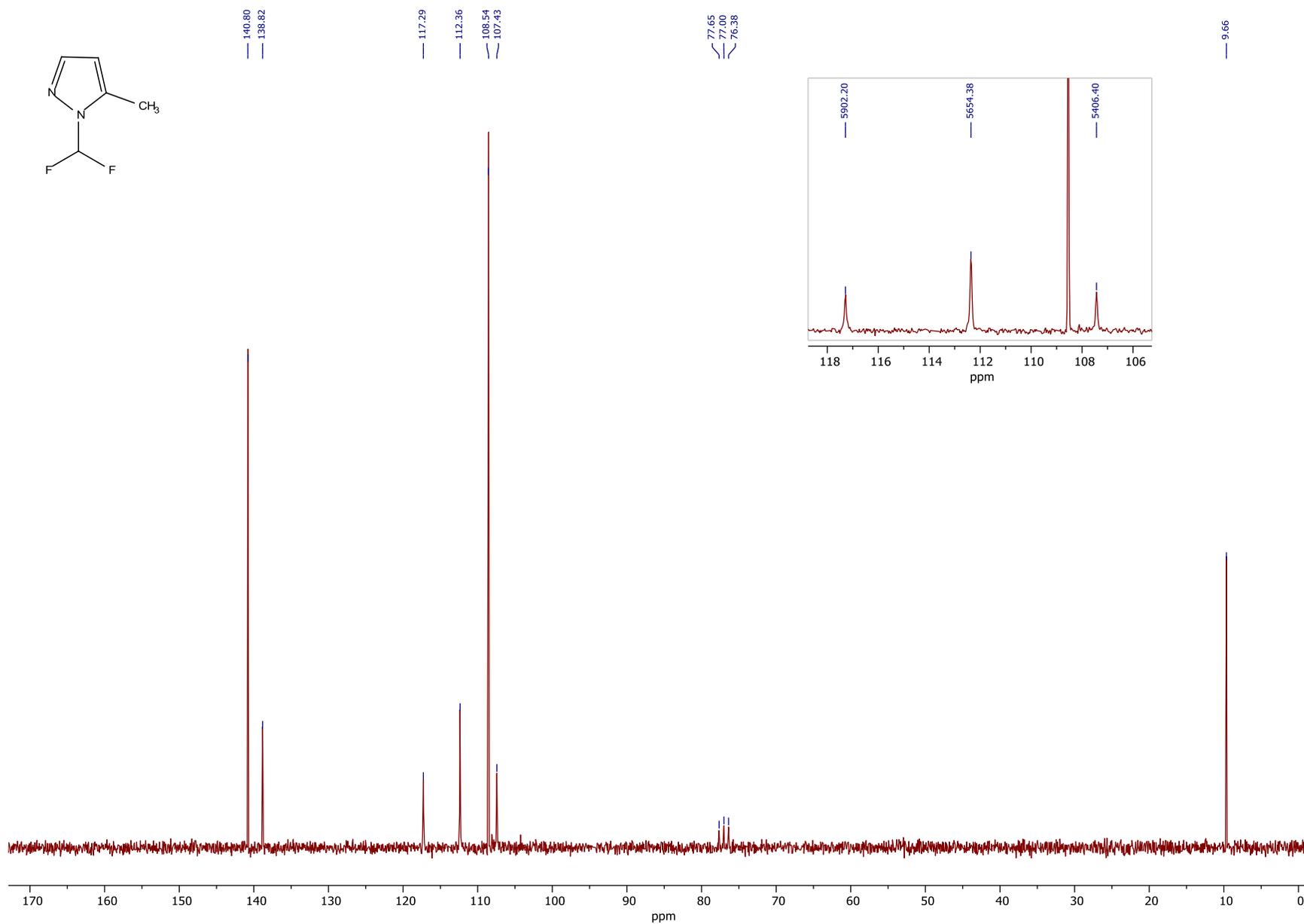
^1H NMR spectrum of **2a**

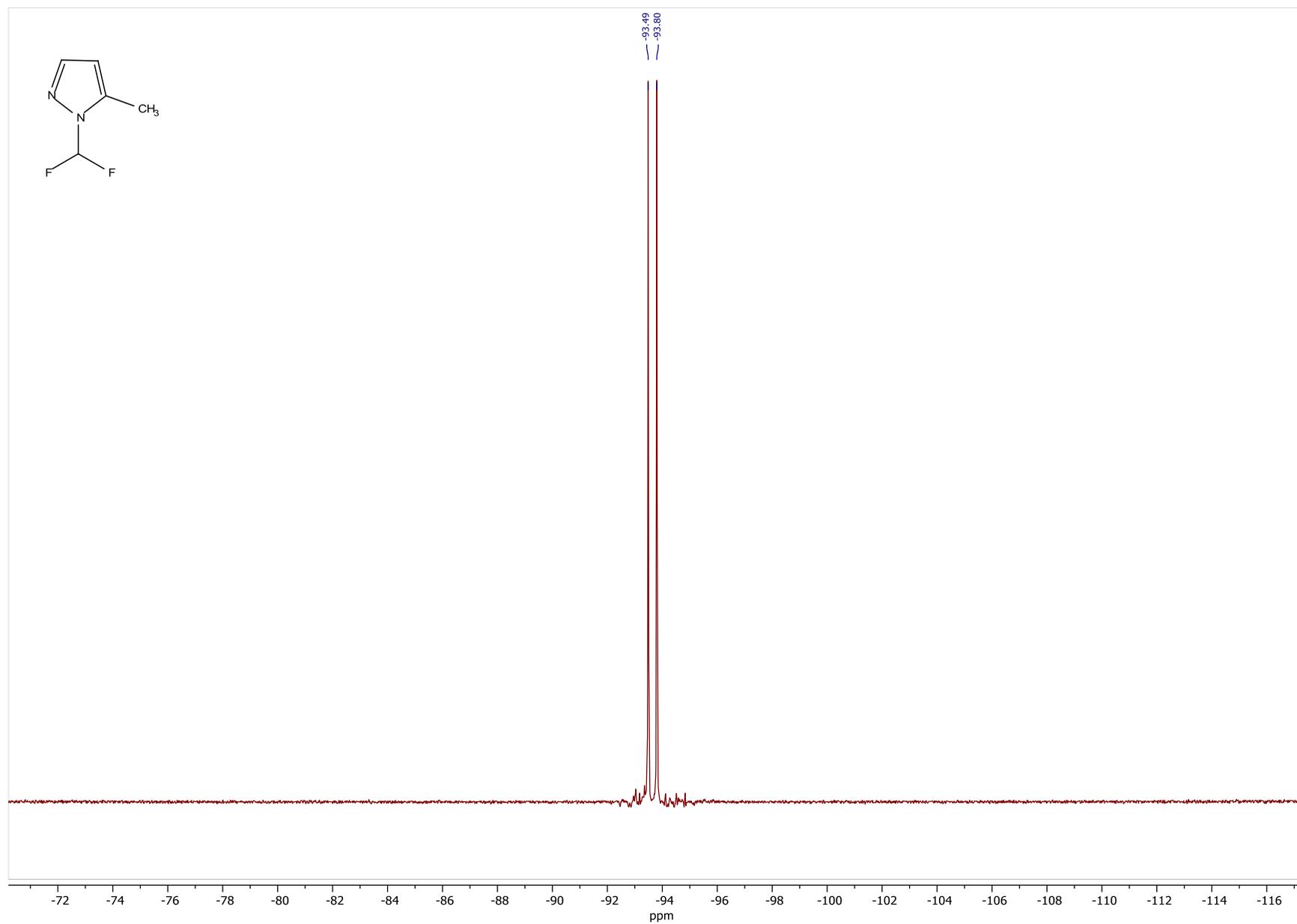
^{13}C NMR spectrum of **2a**

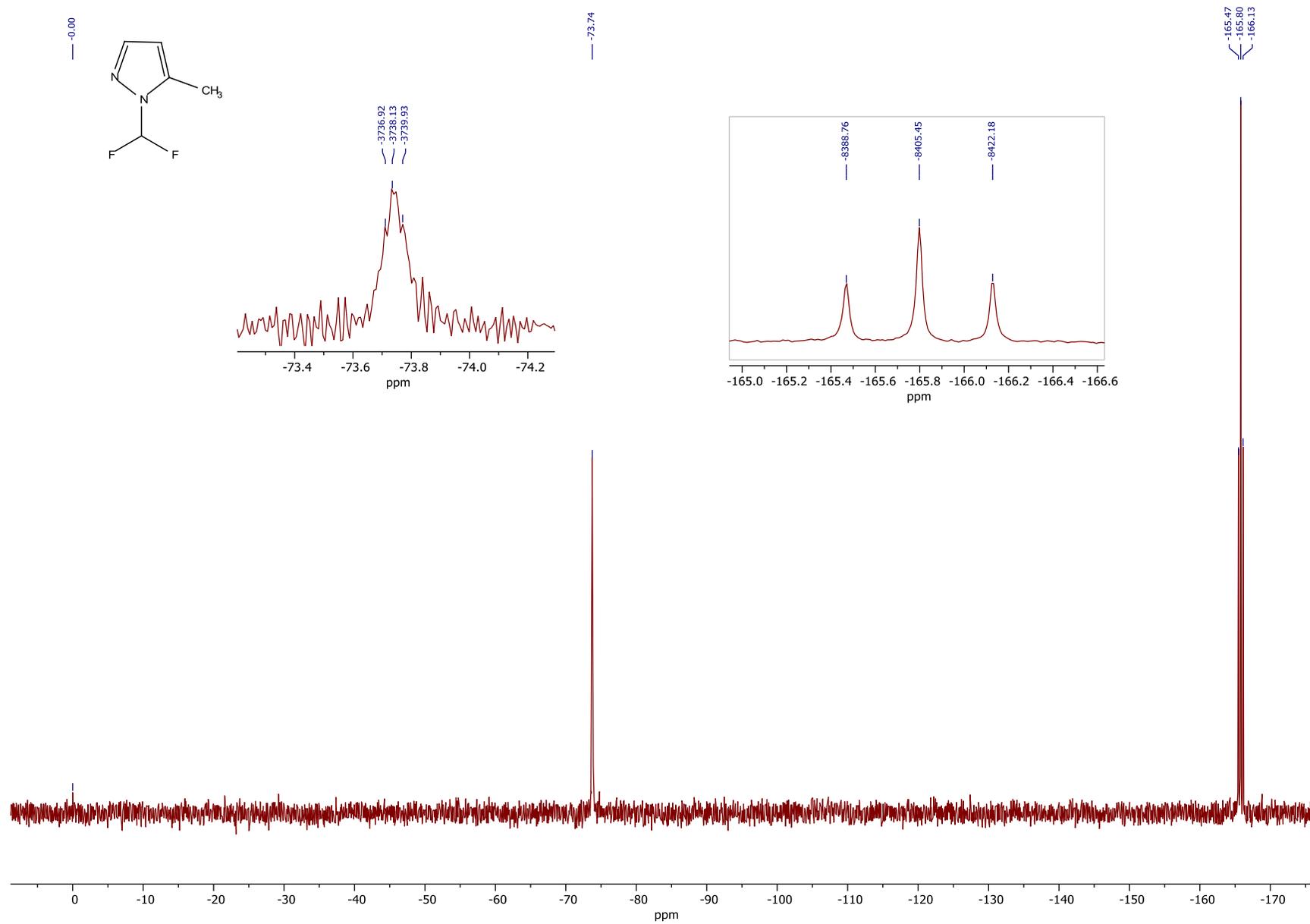
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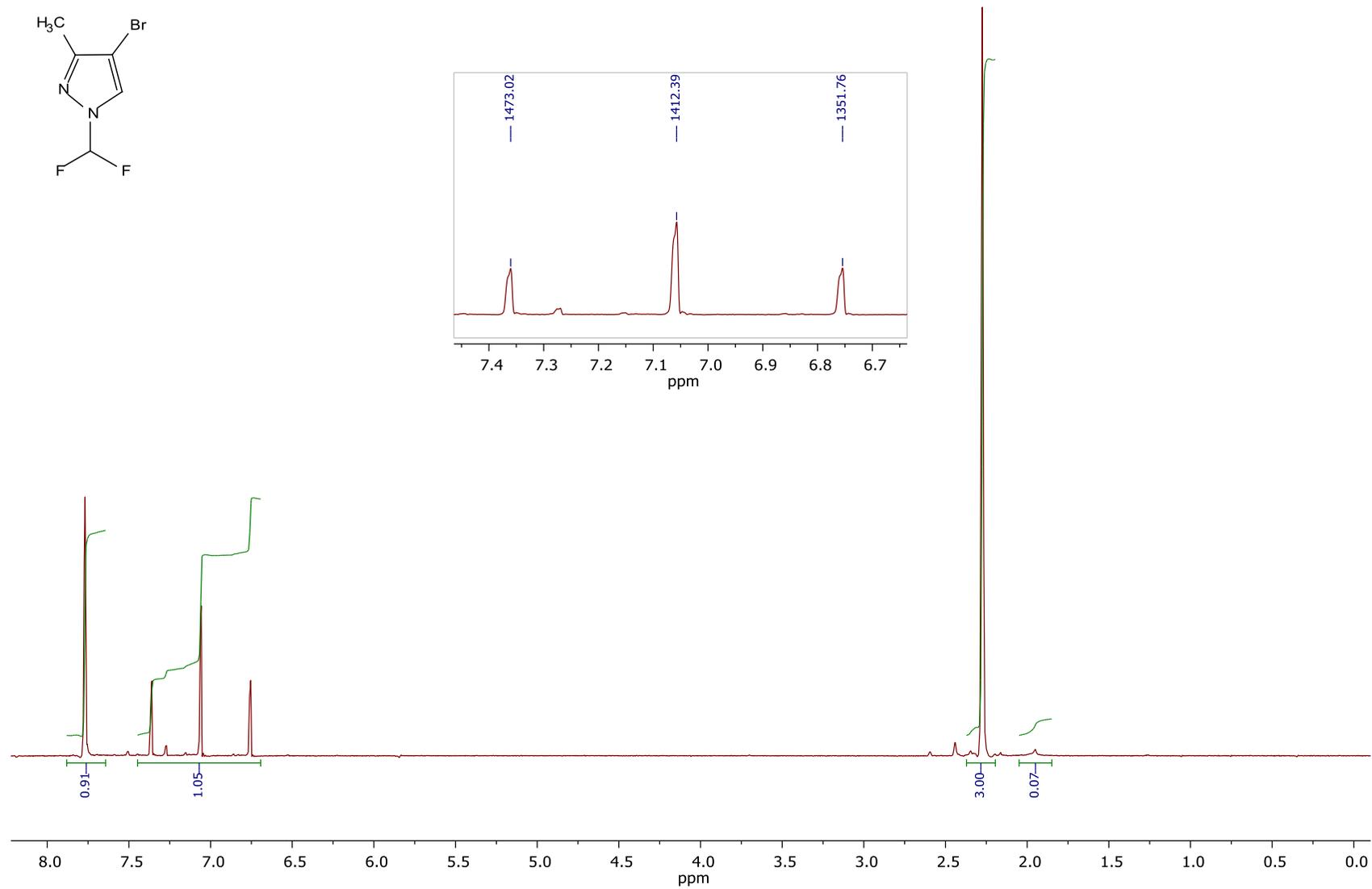
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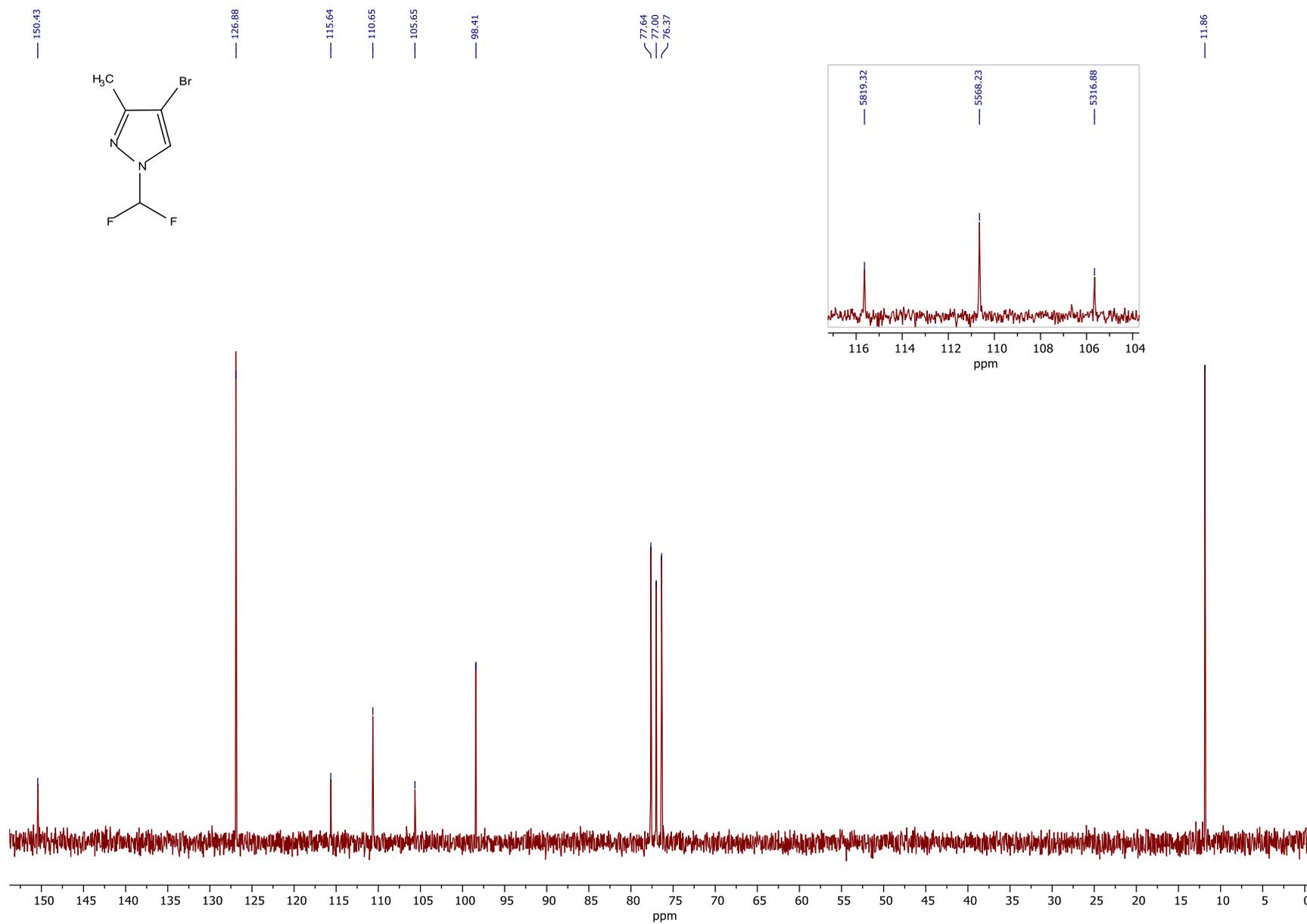
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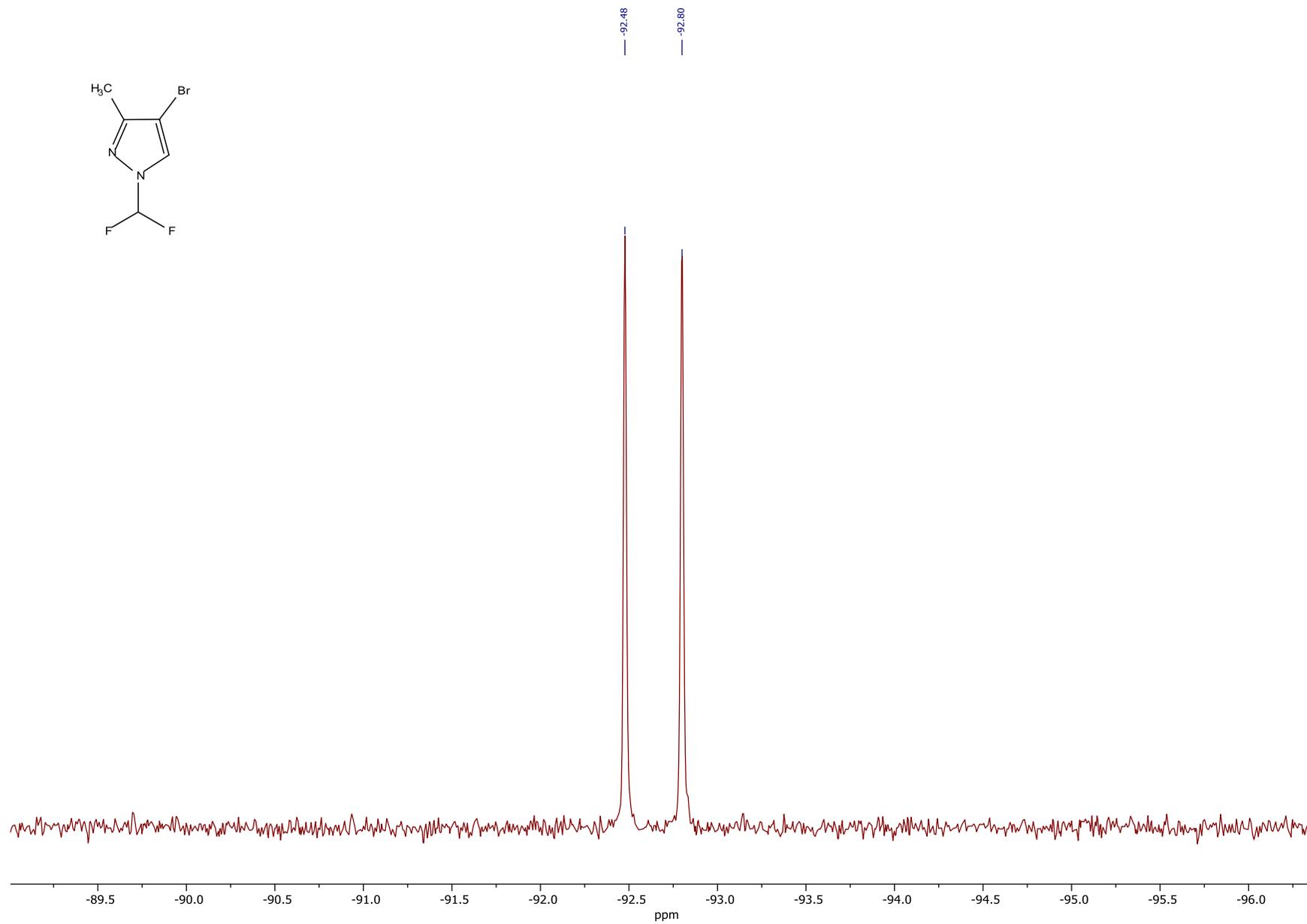
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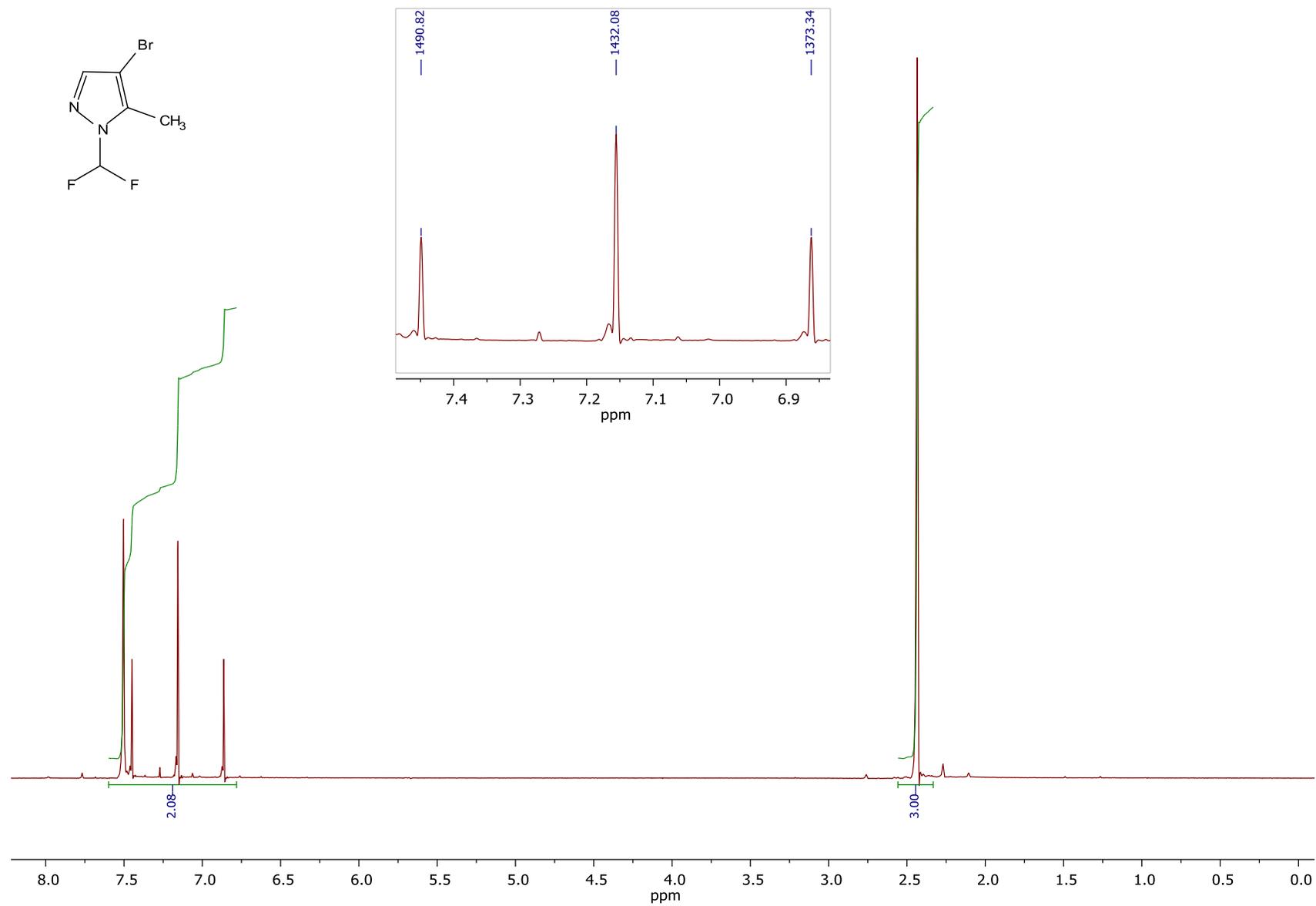
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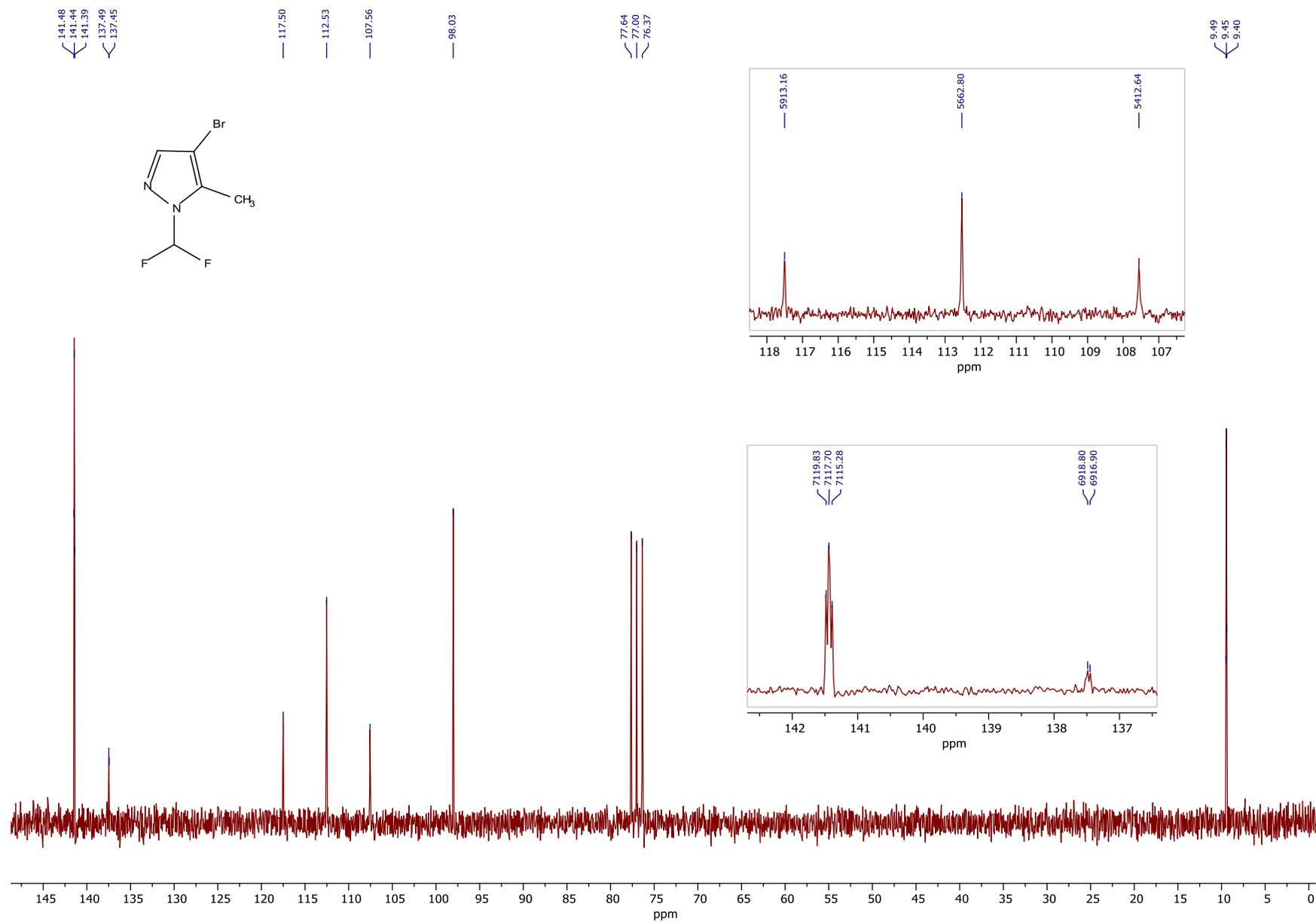
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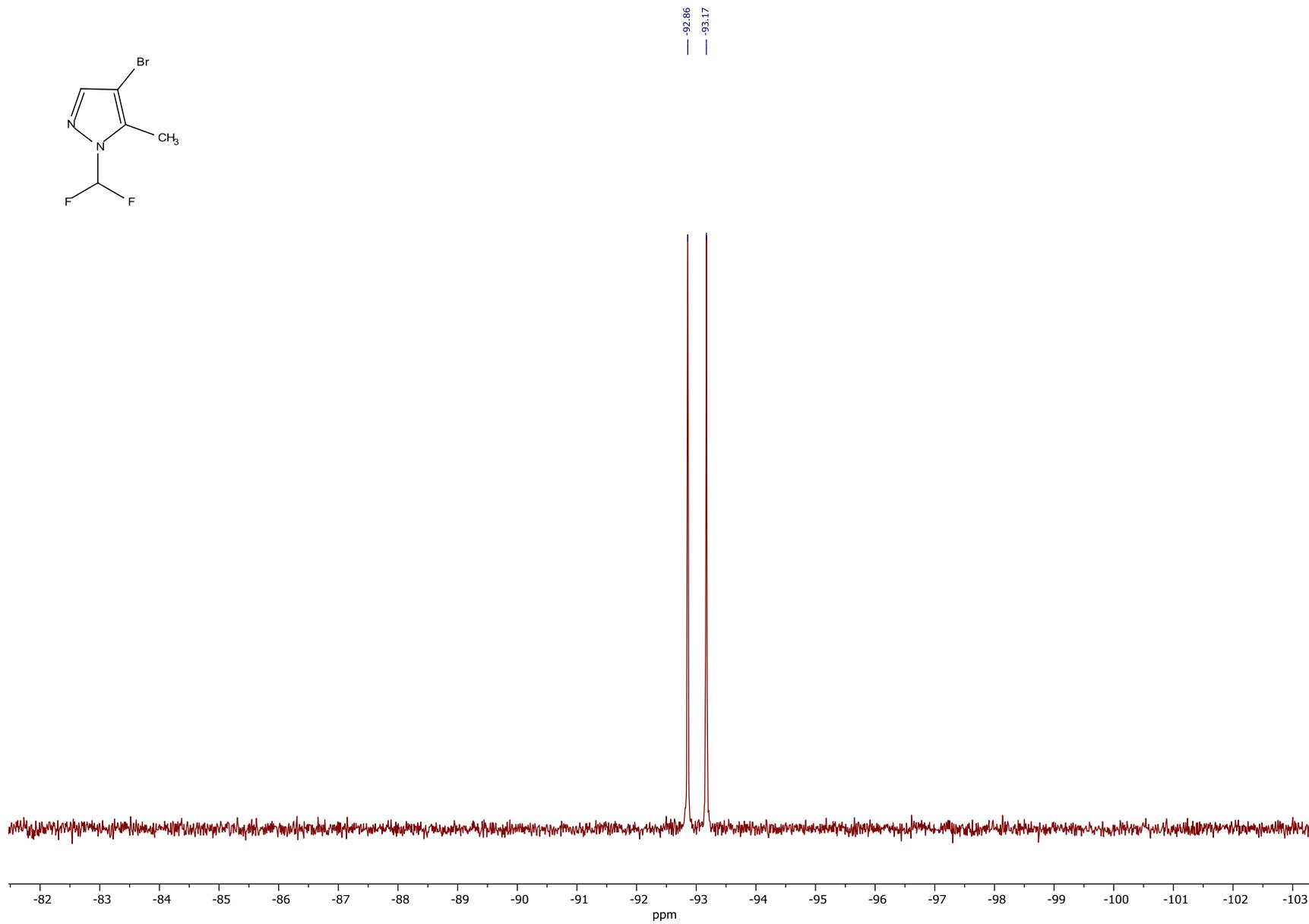
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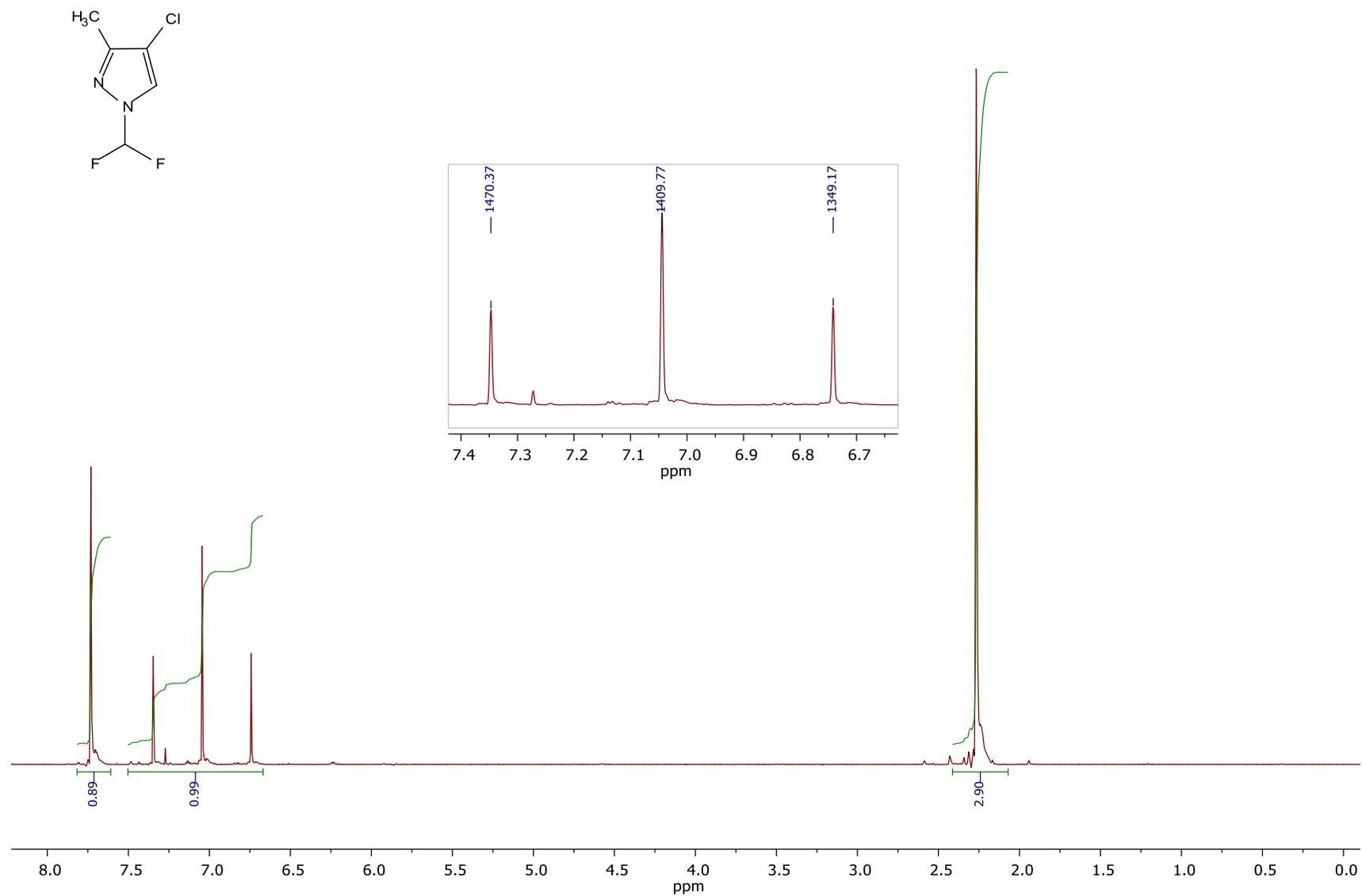
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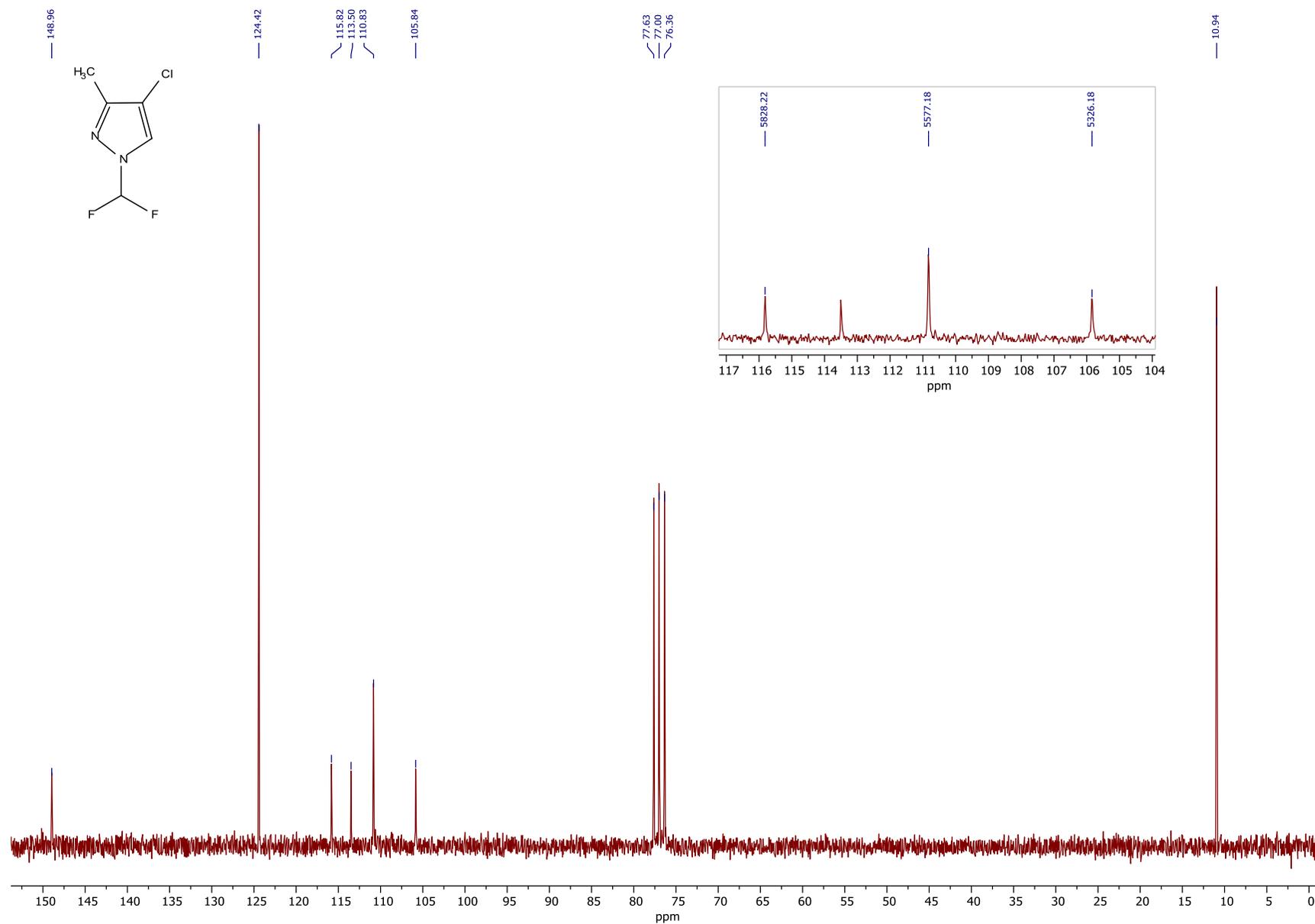
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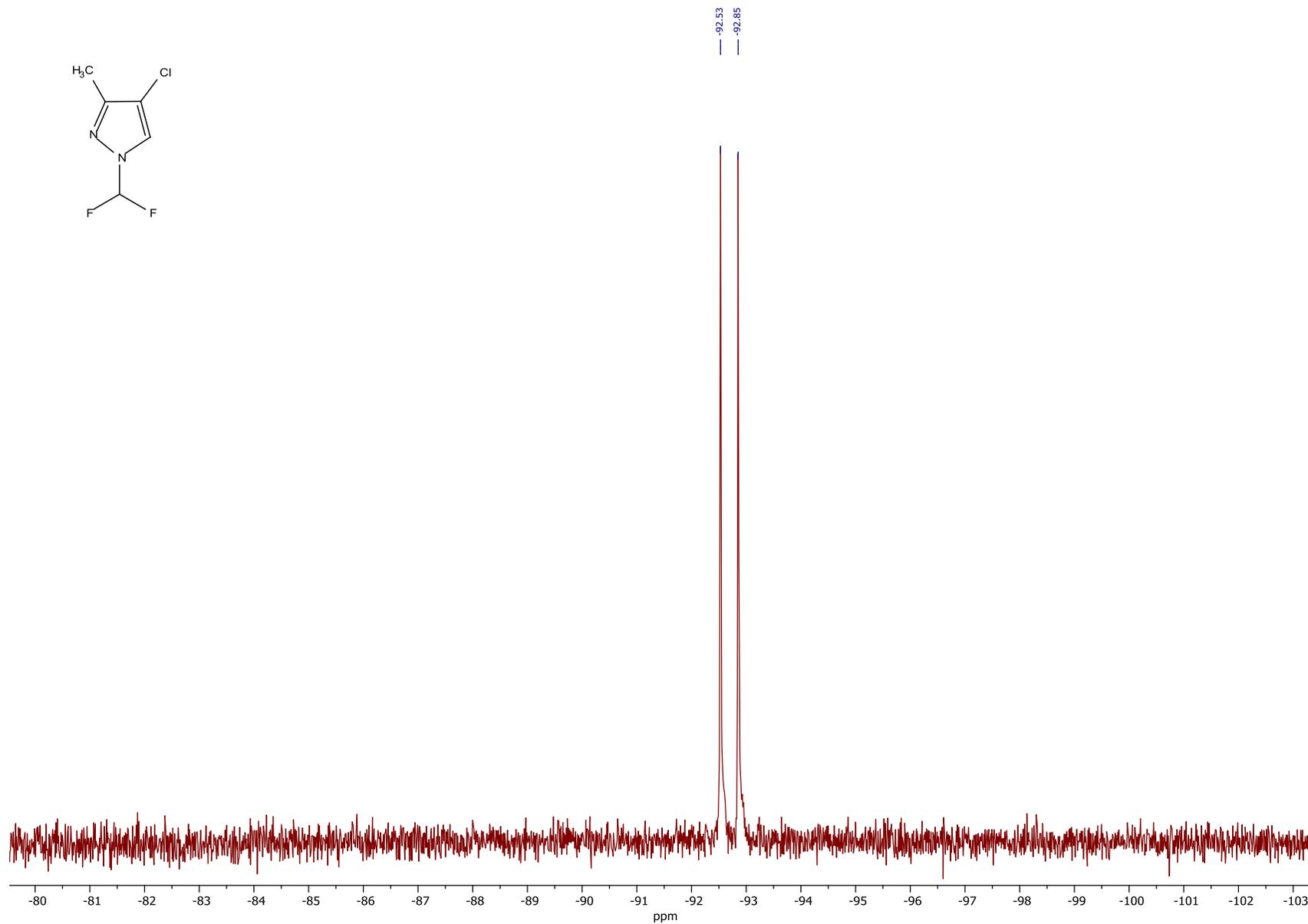
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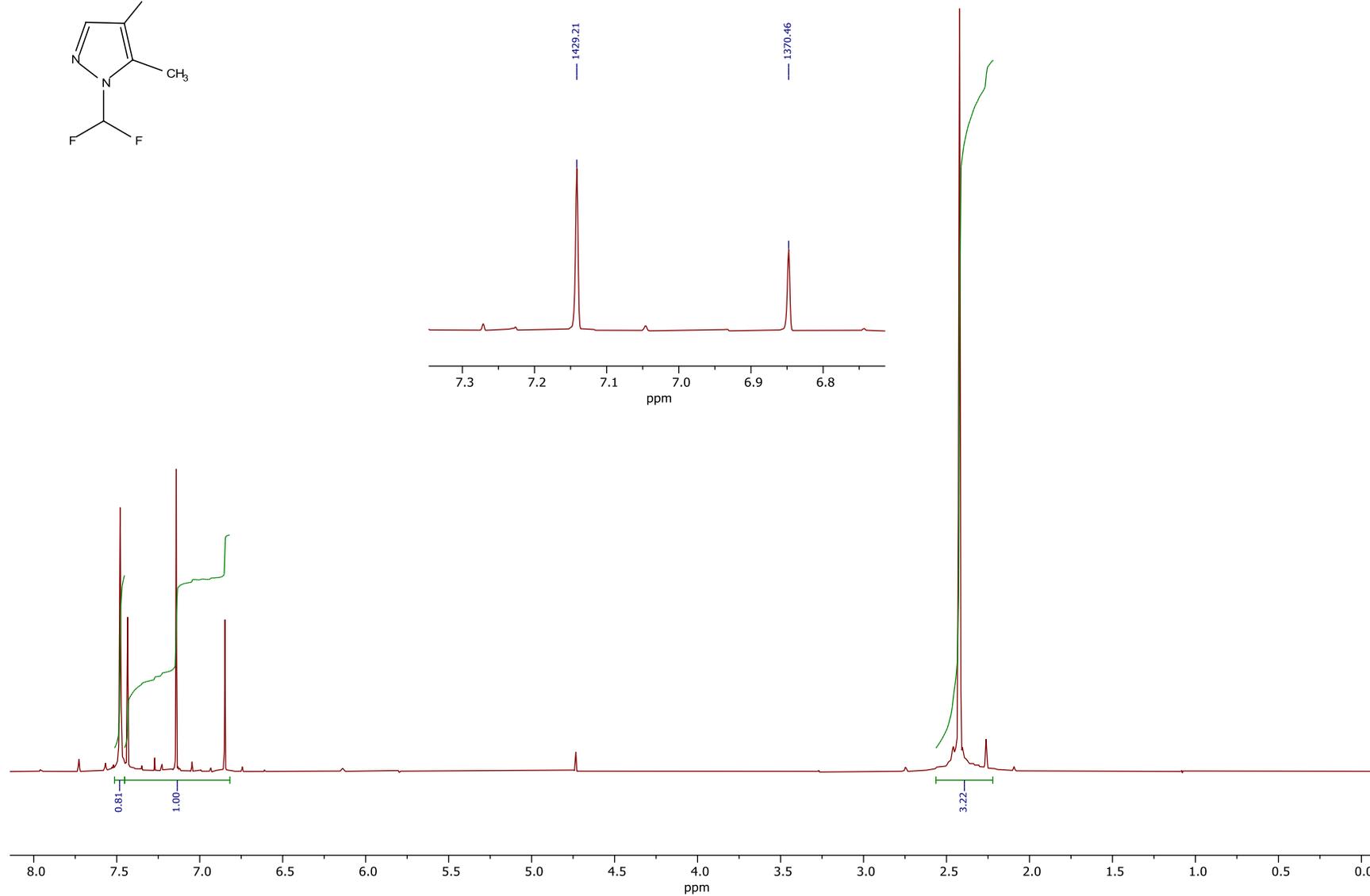
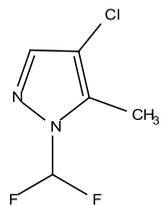
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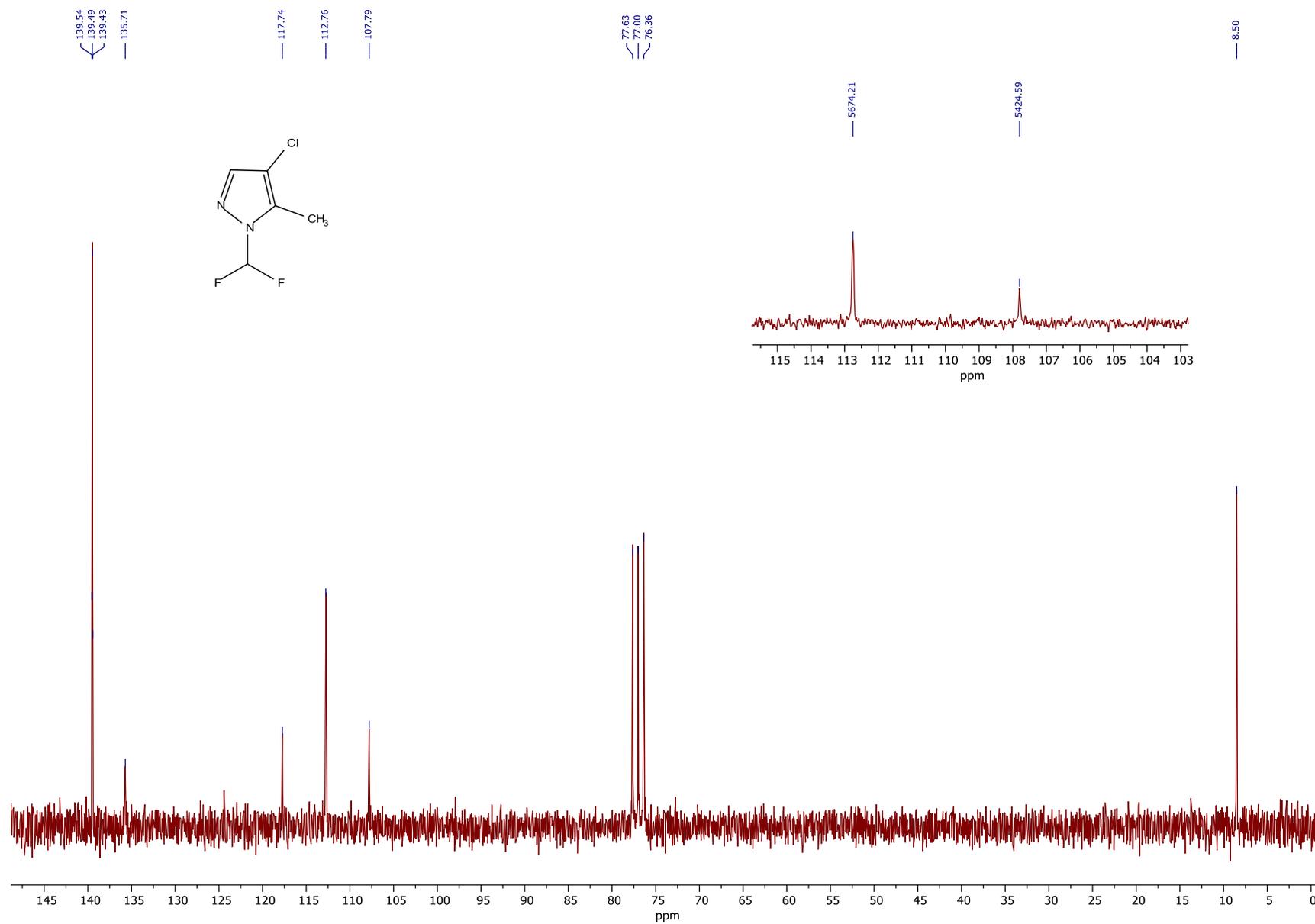
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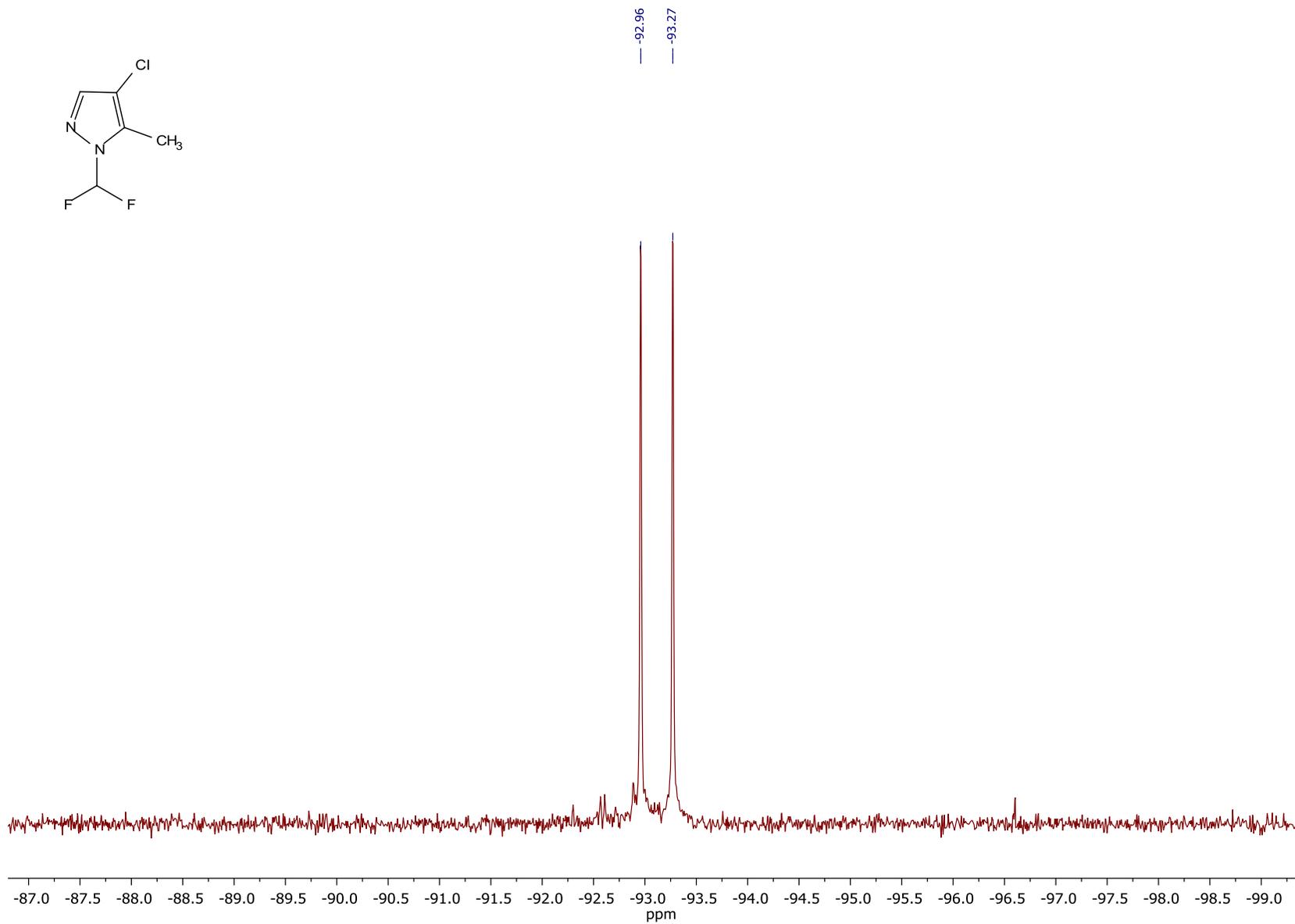
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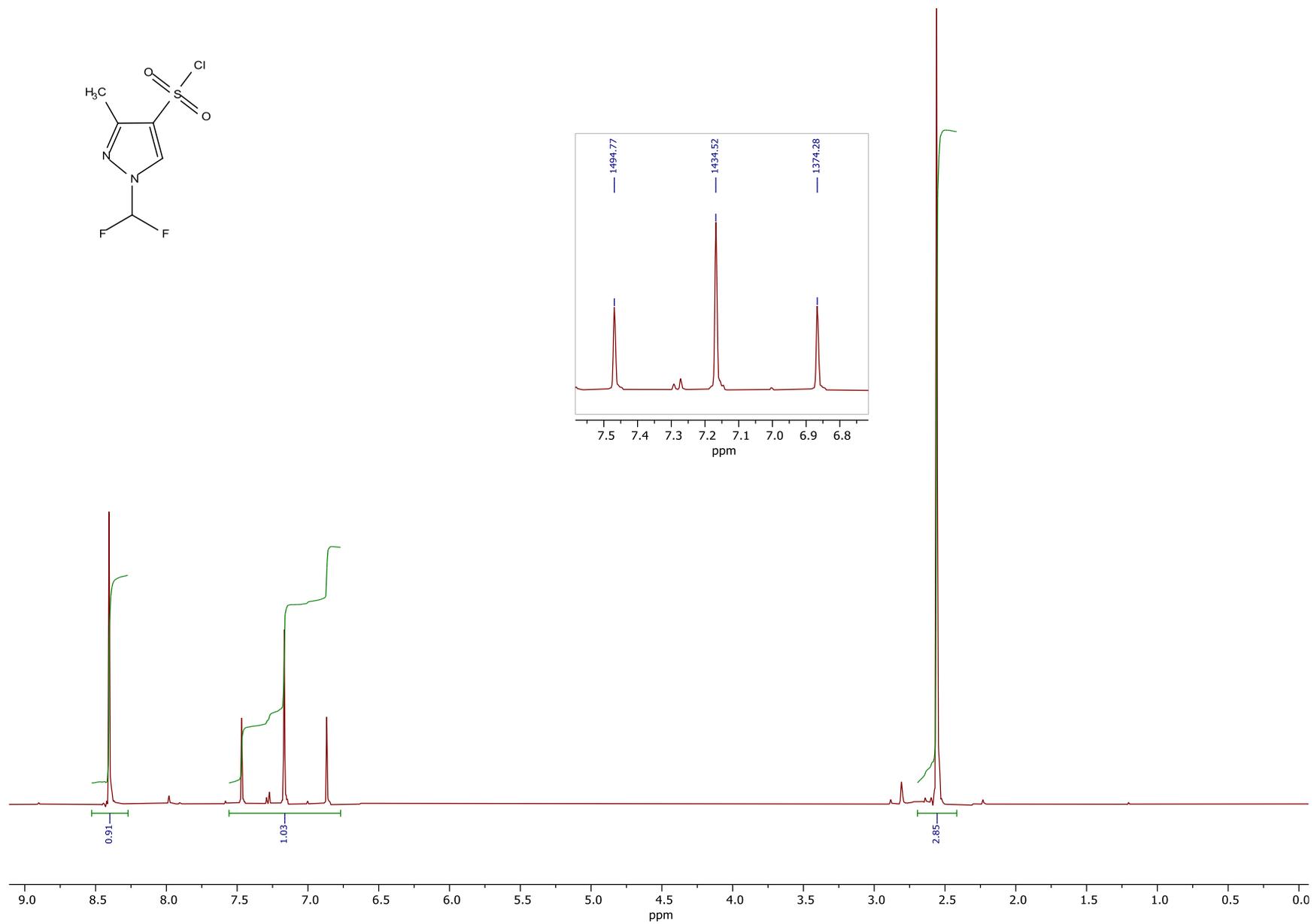
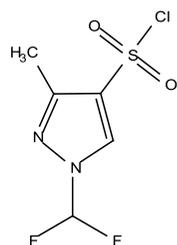
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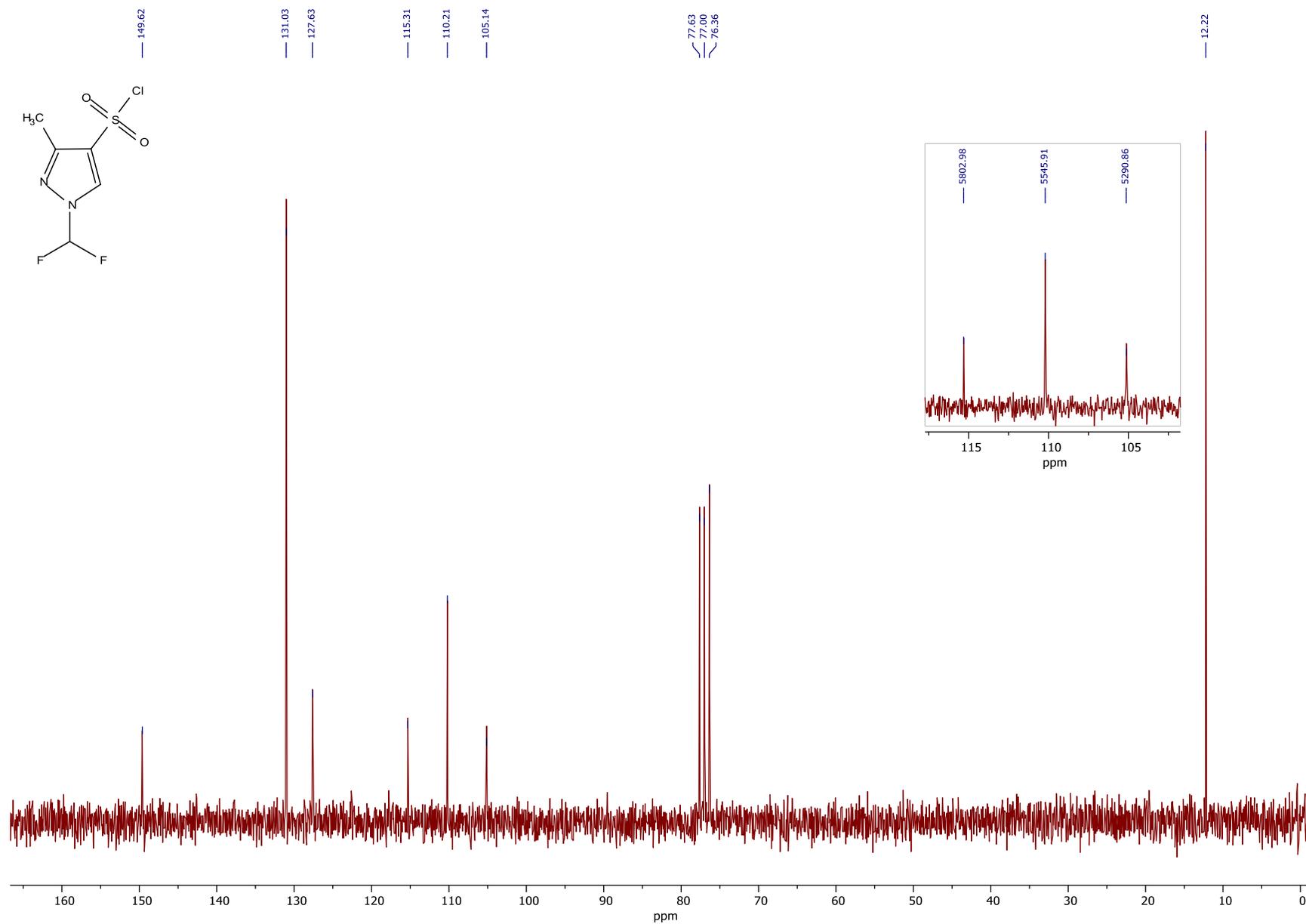
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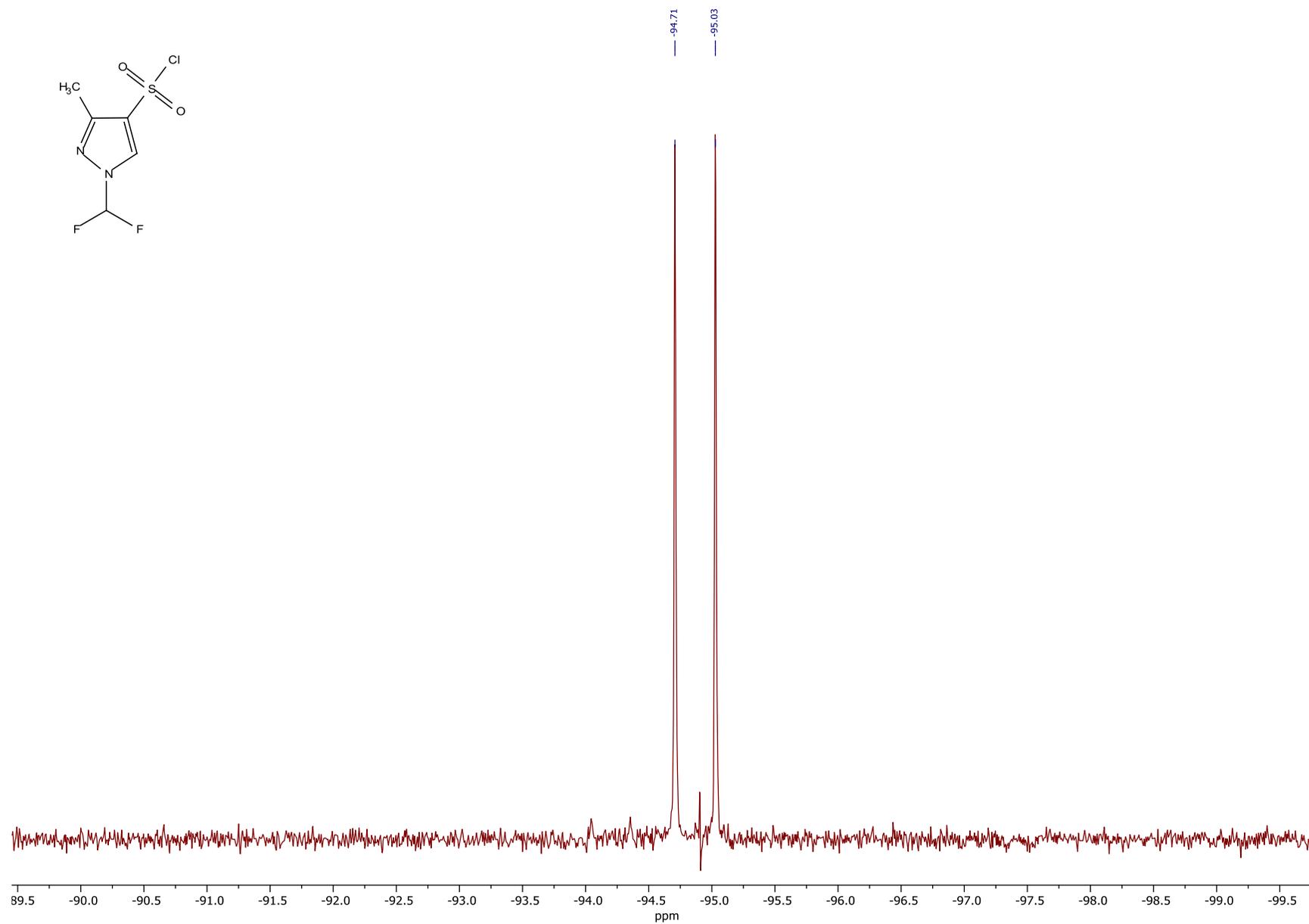
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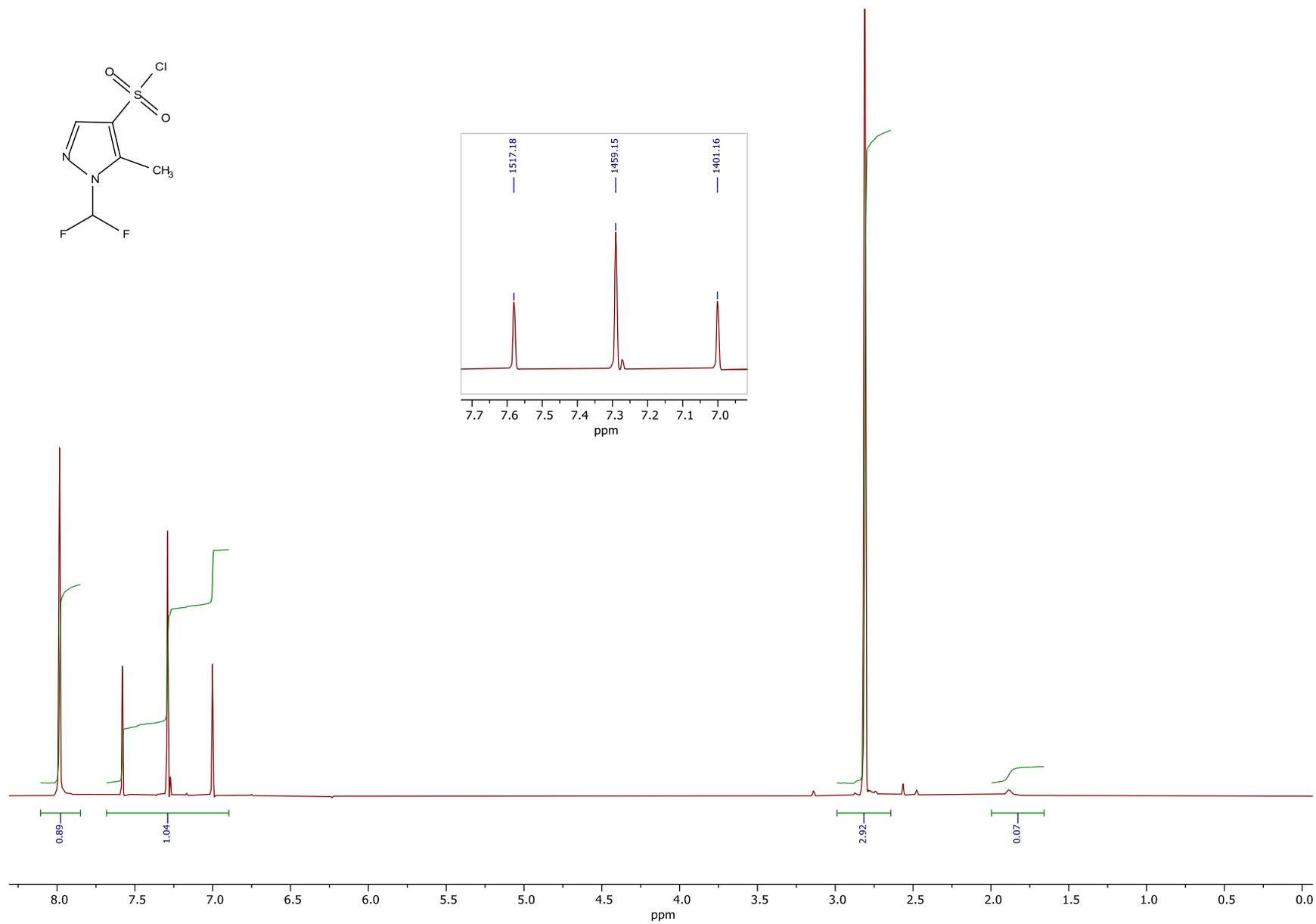
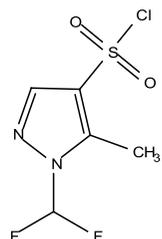
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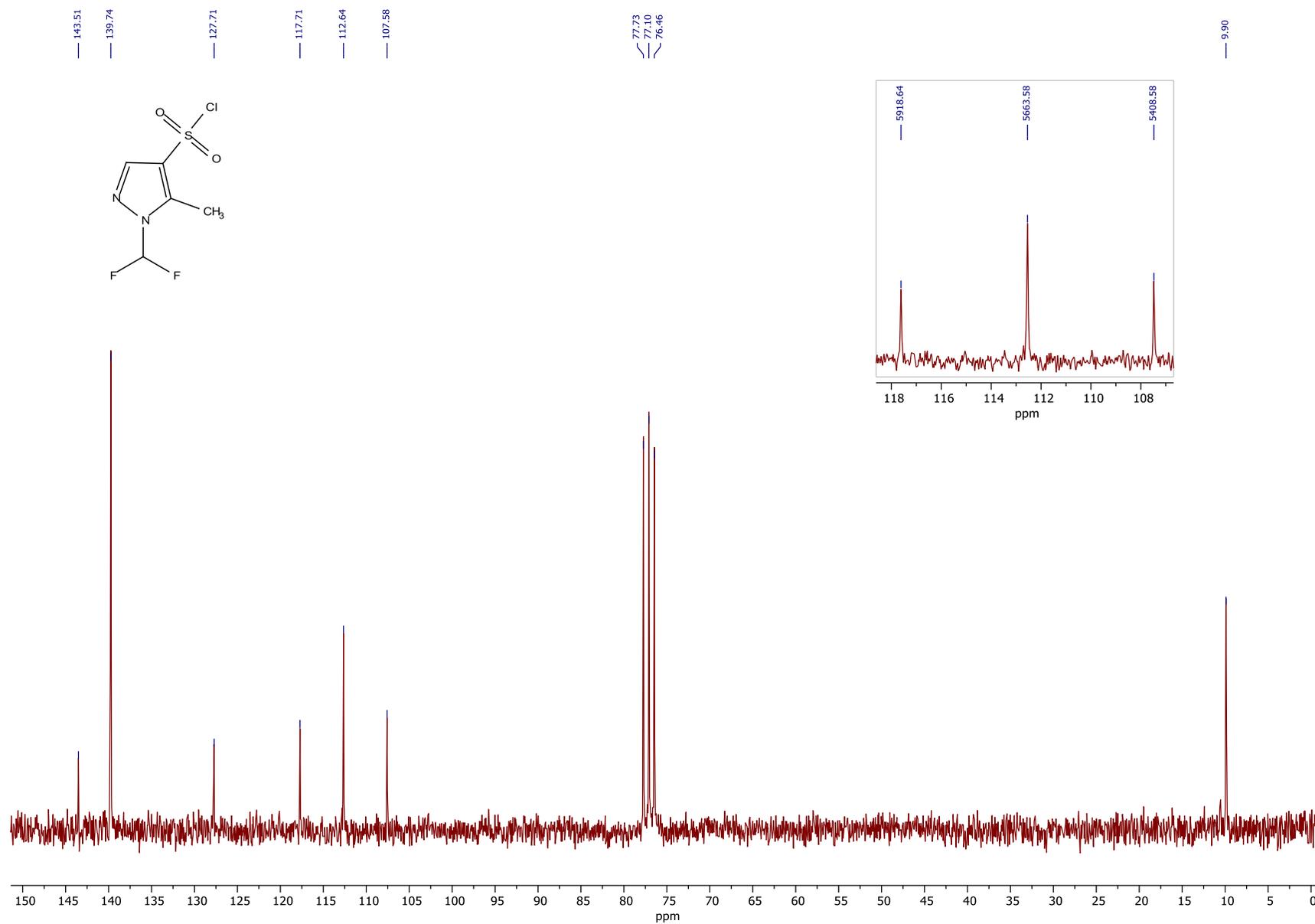
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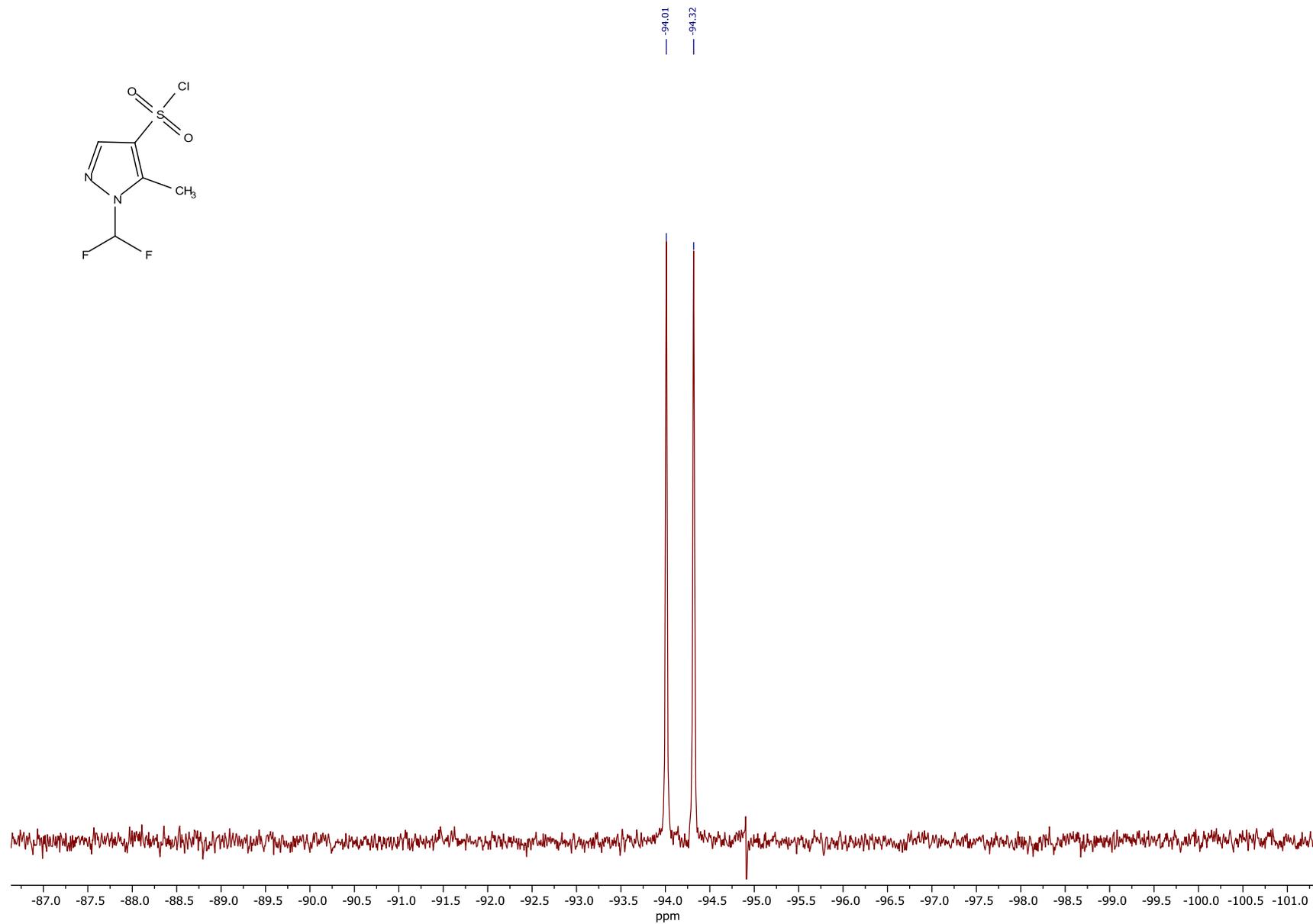
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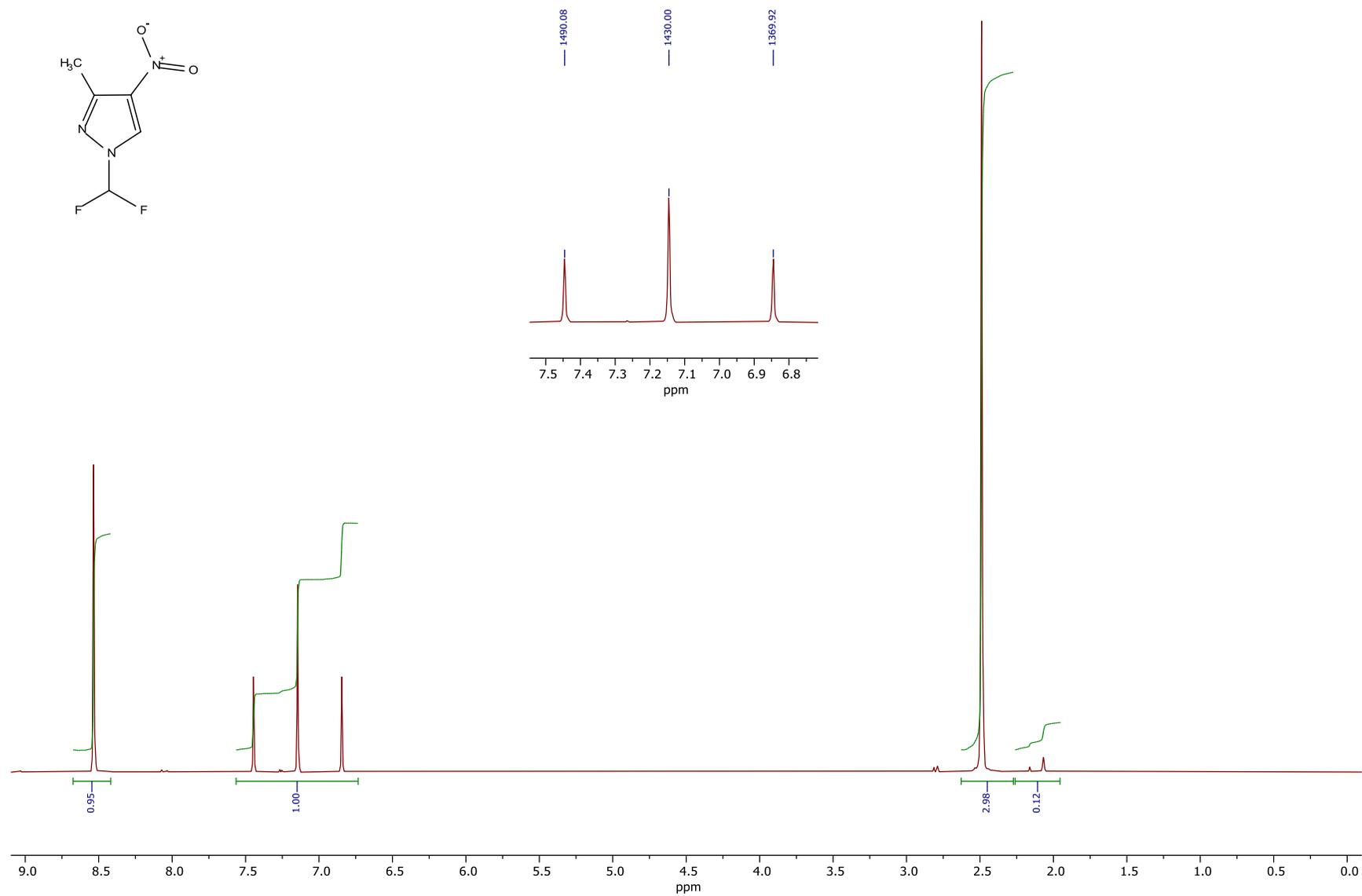
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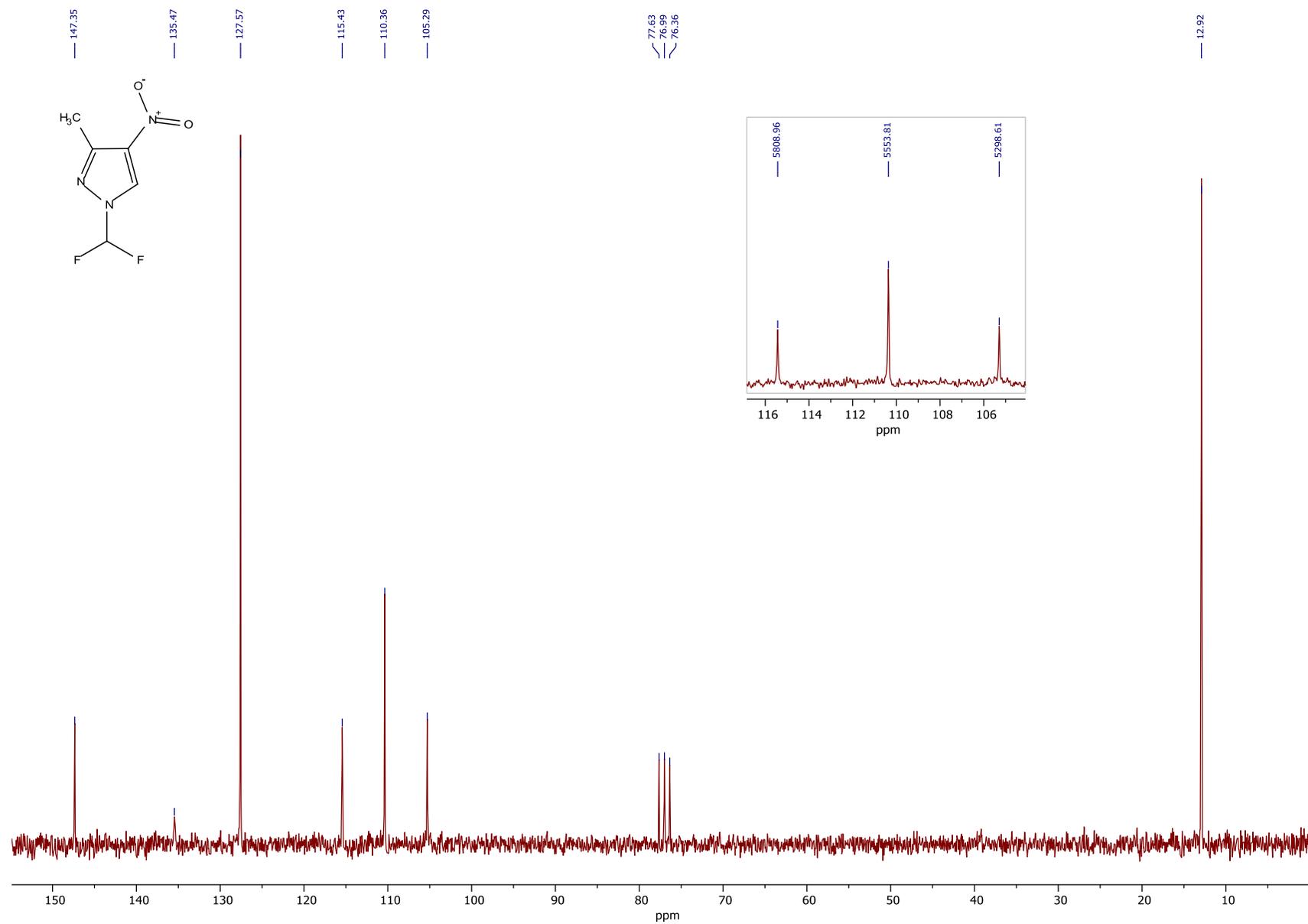
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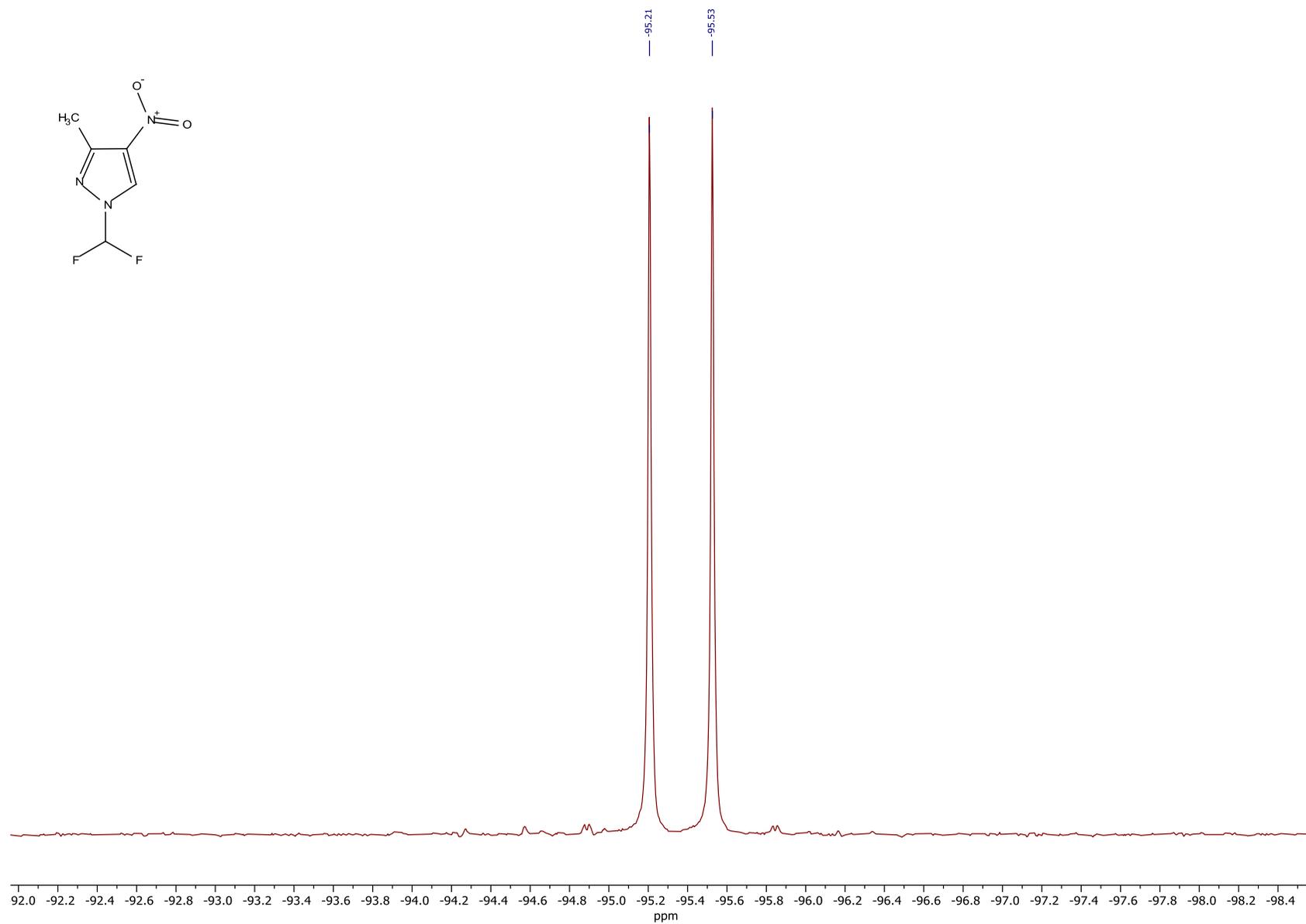
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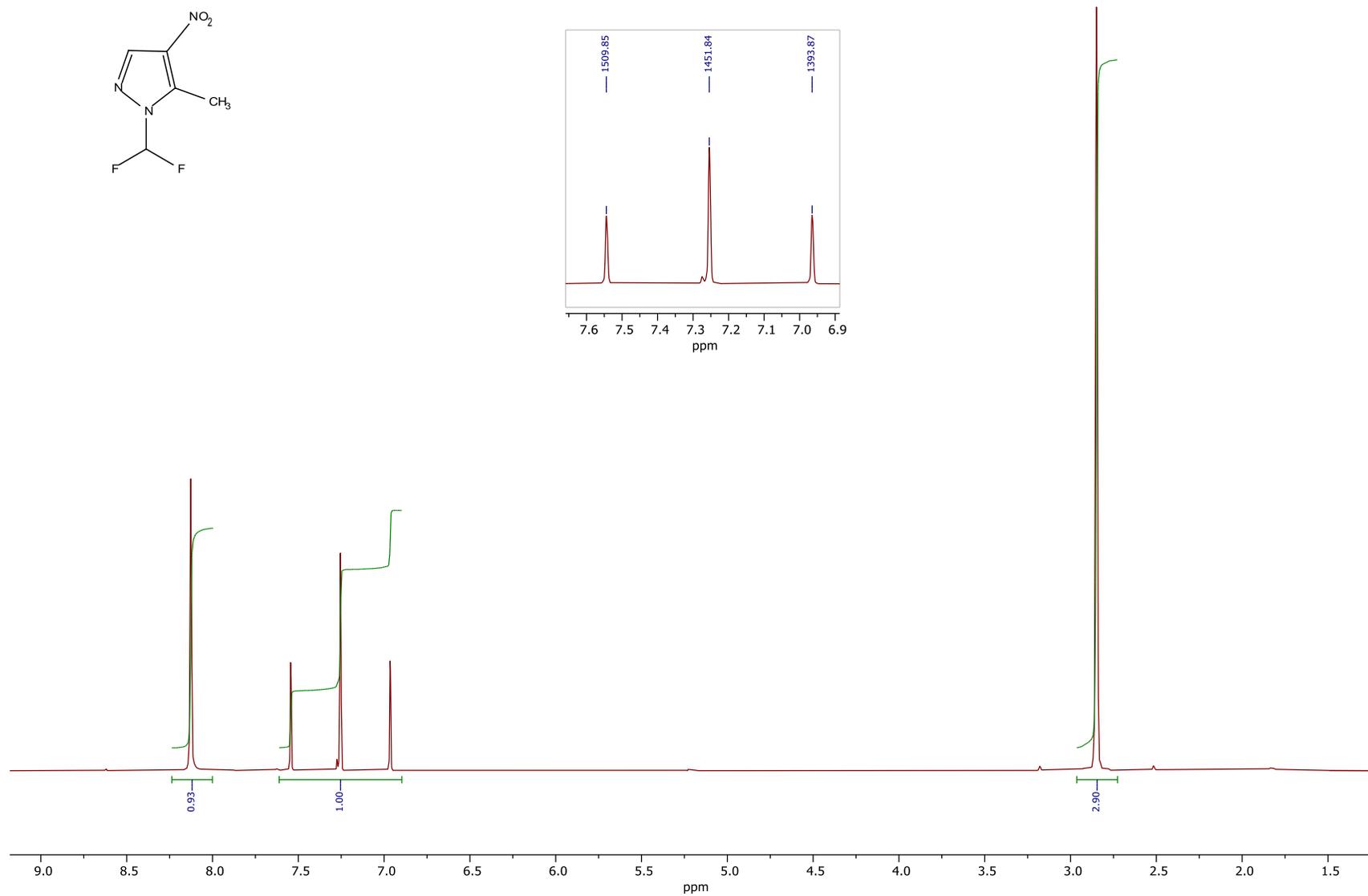
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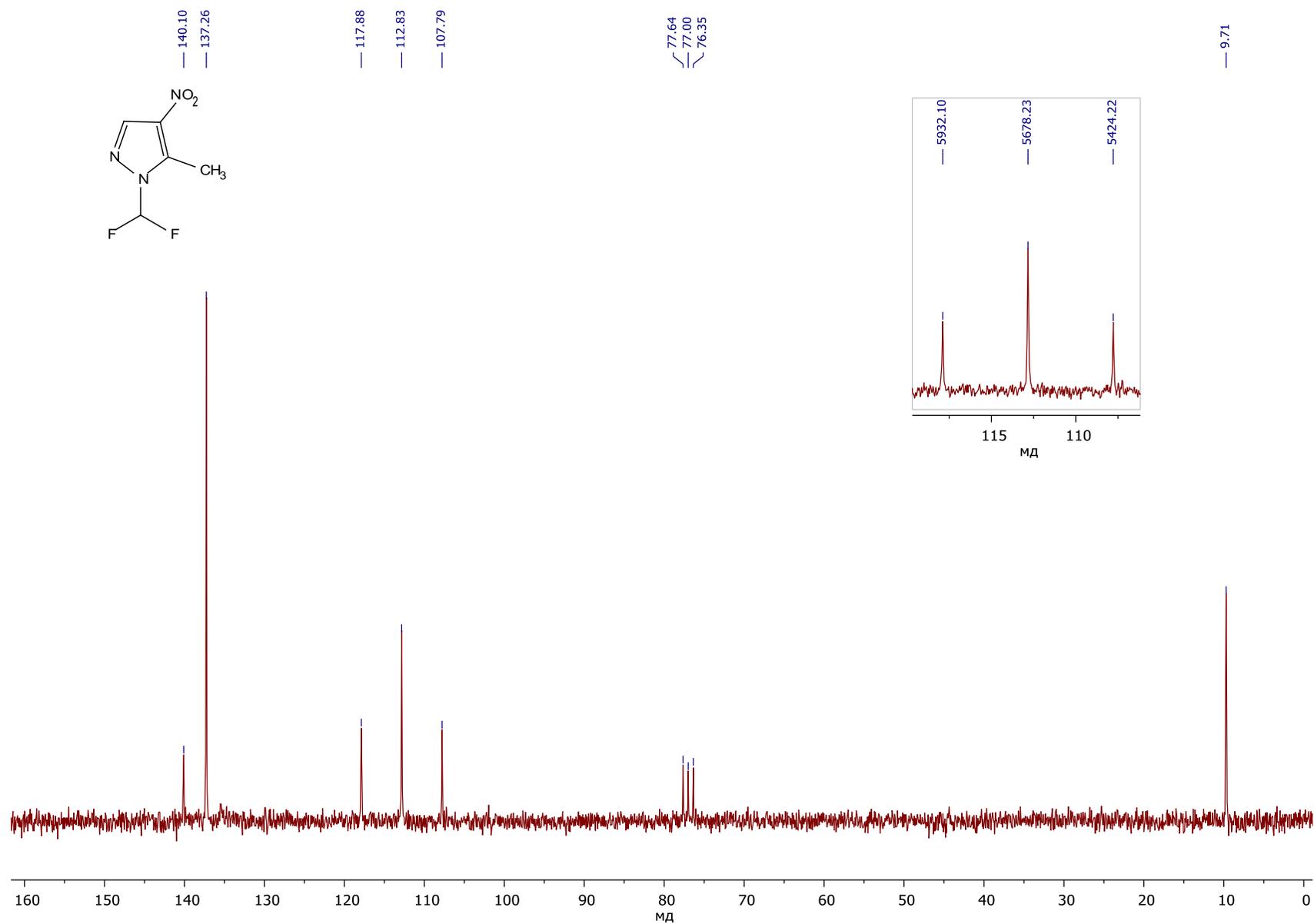
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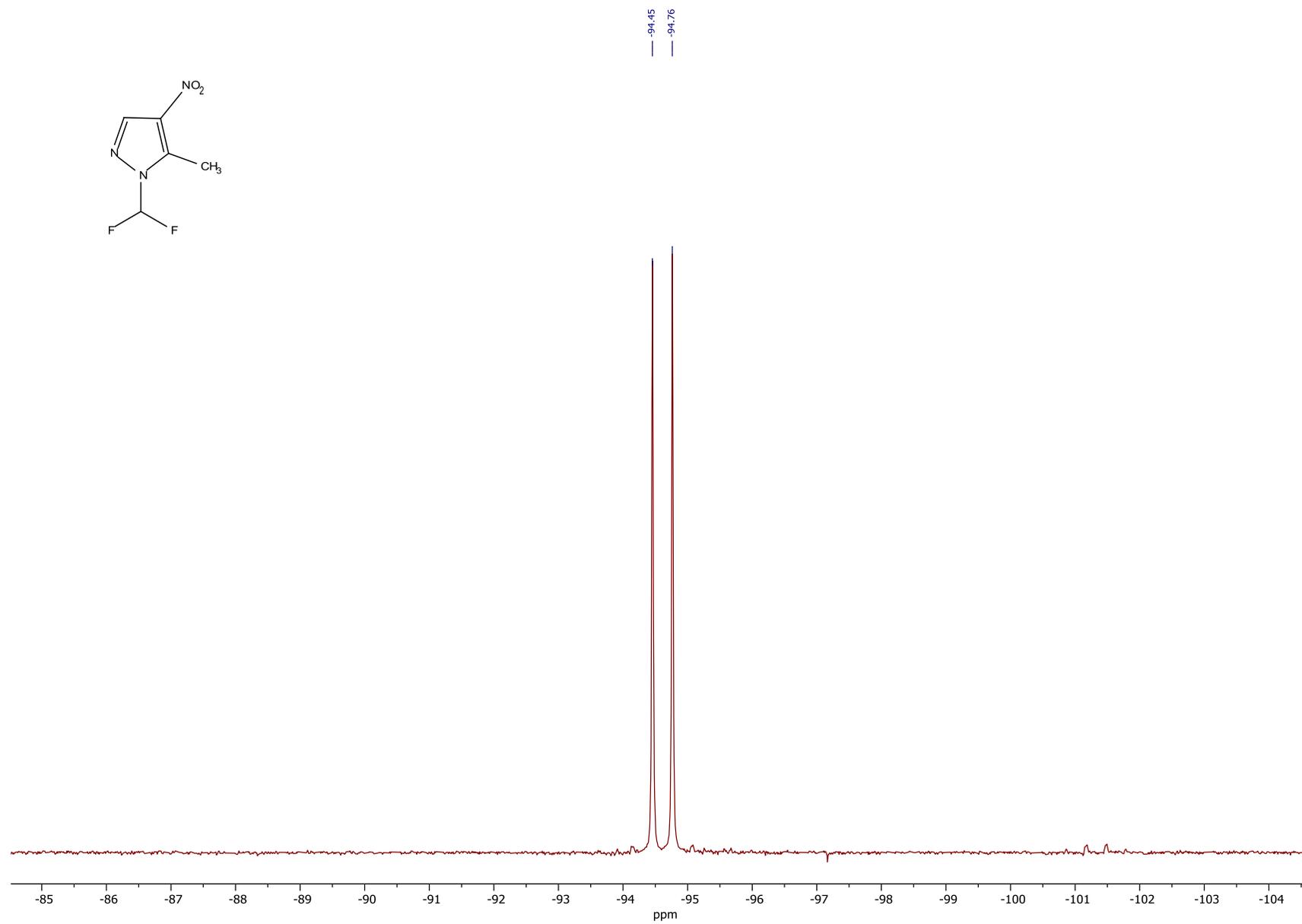
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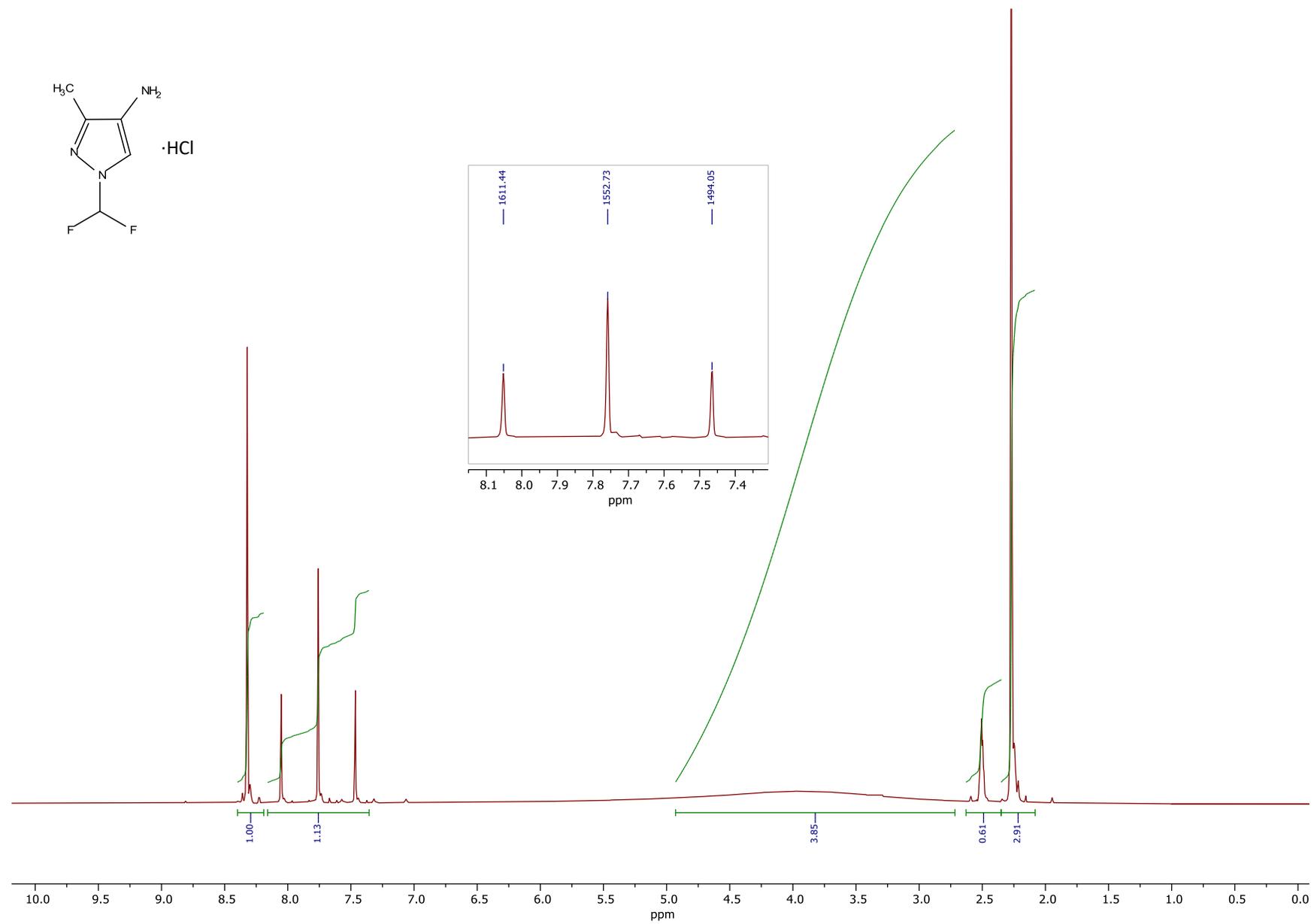
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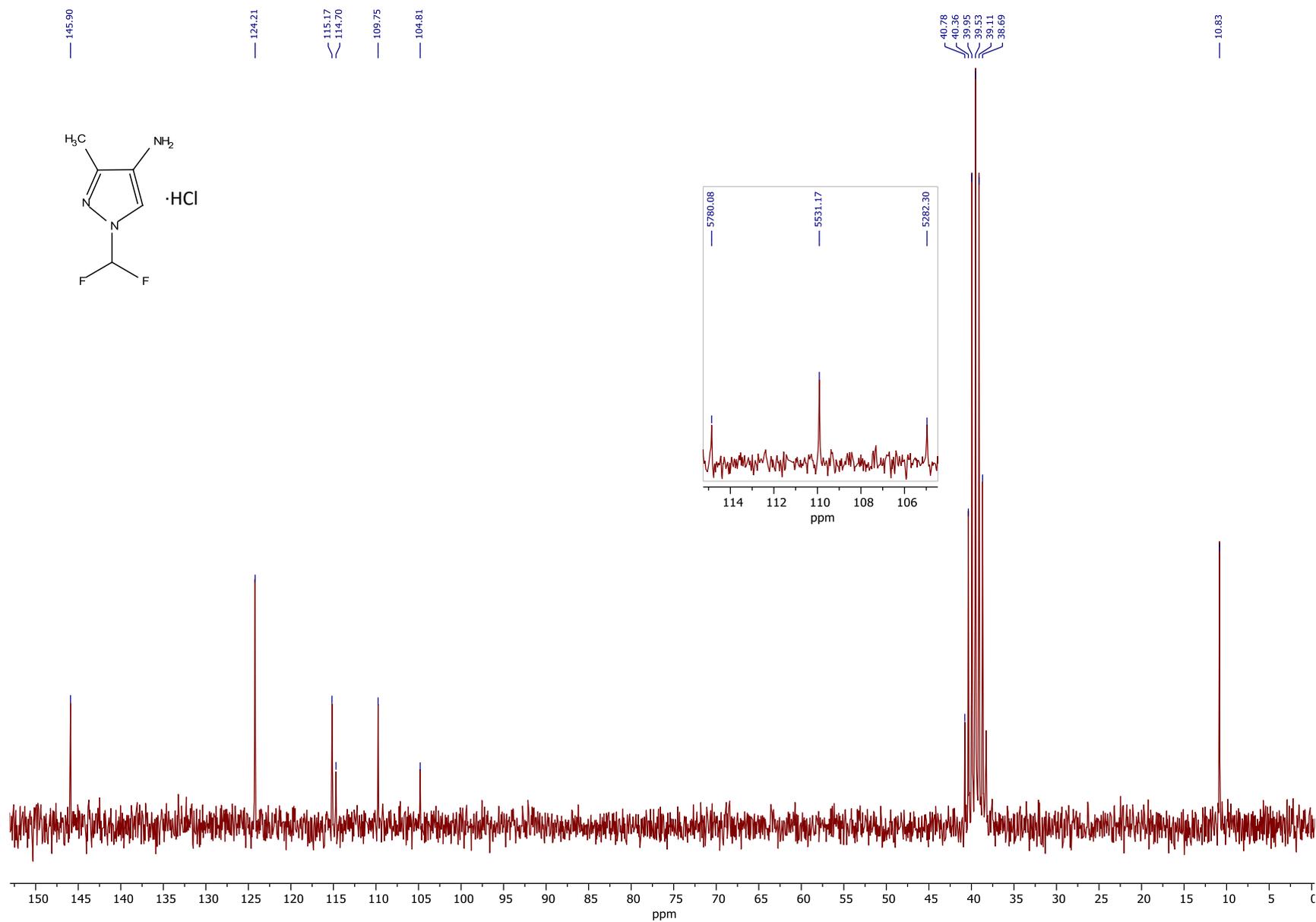
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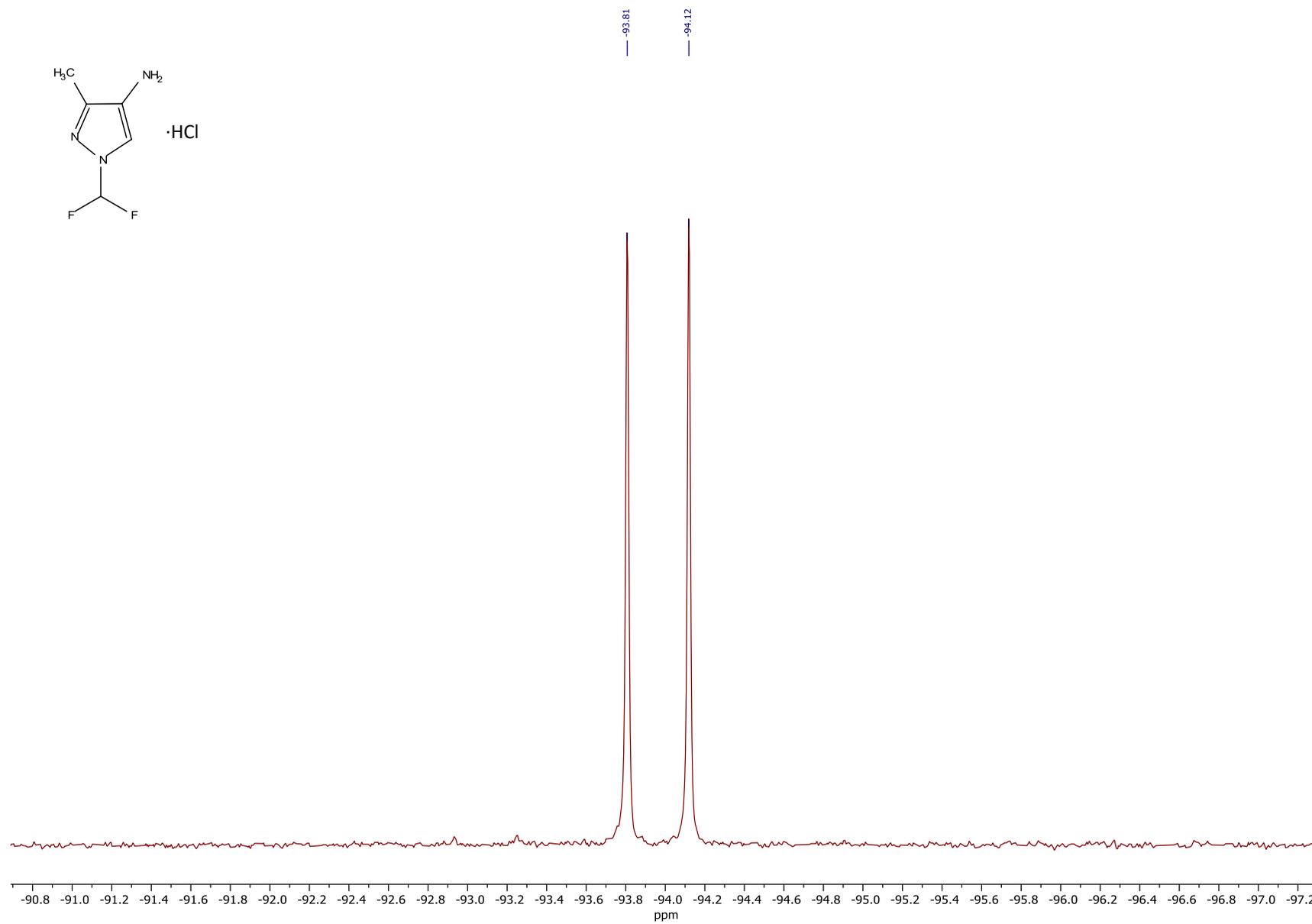
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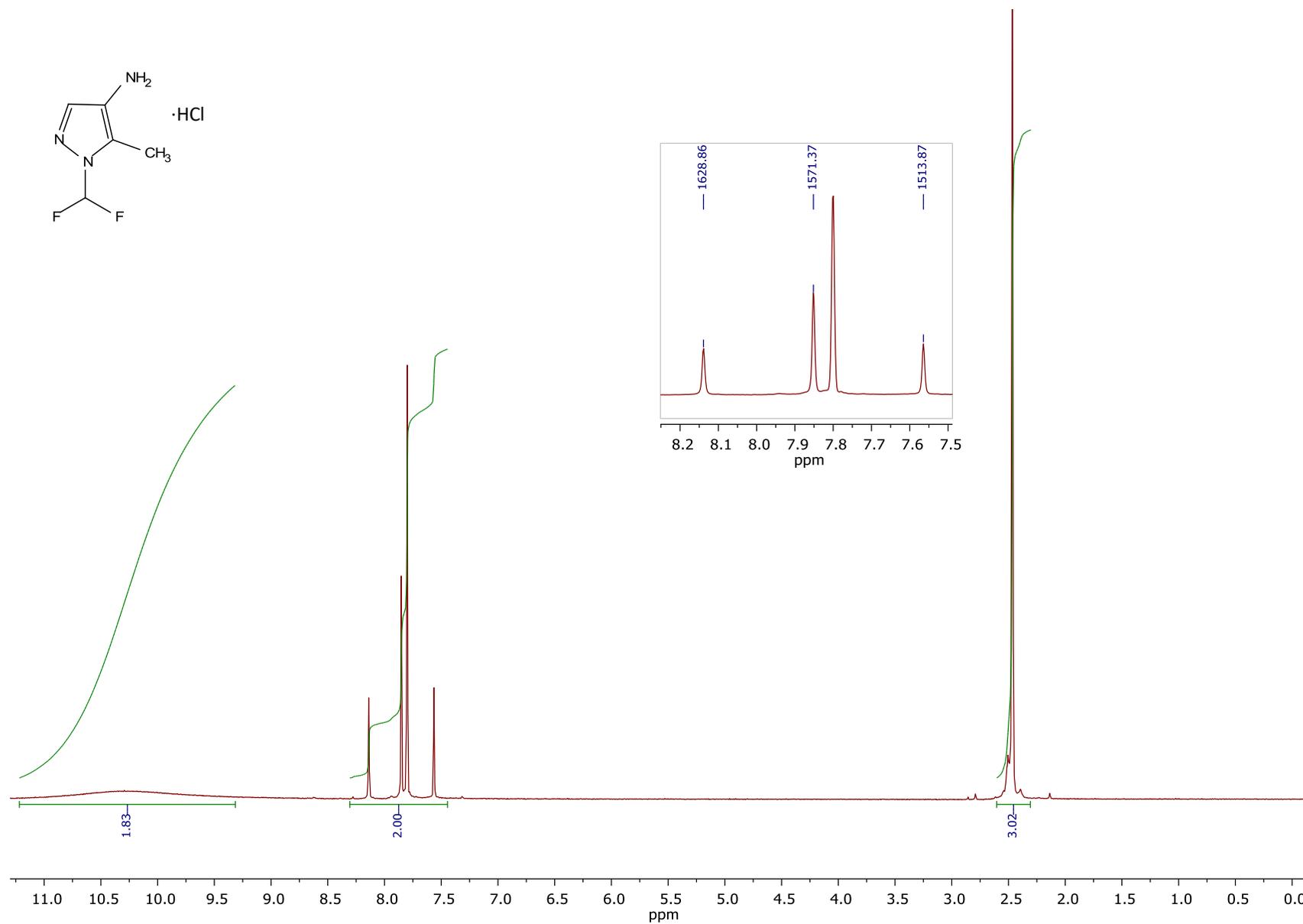
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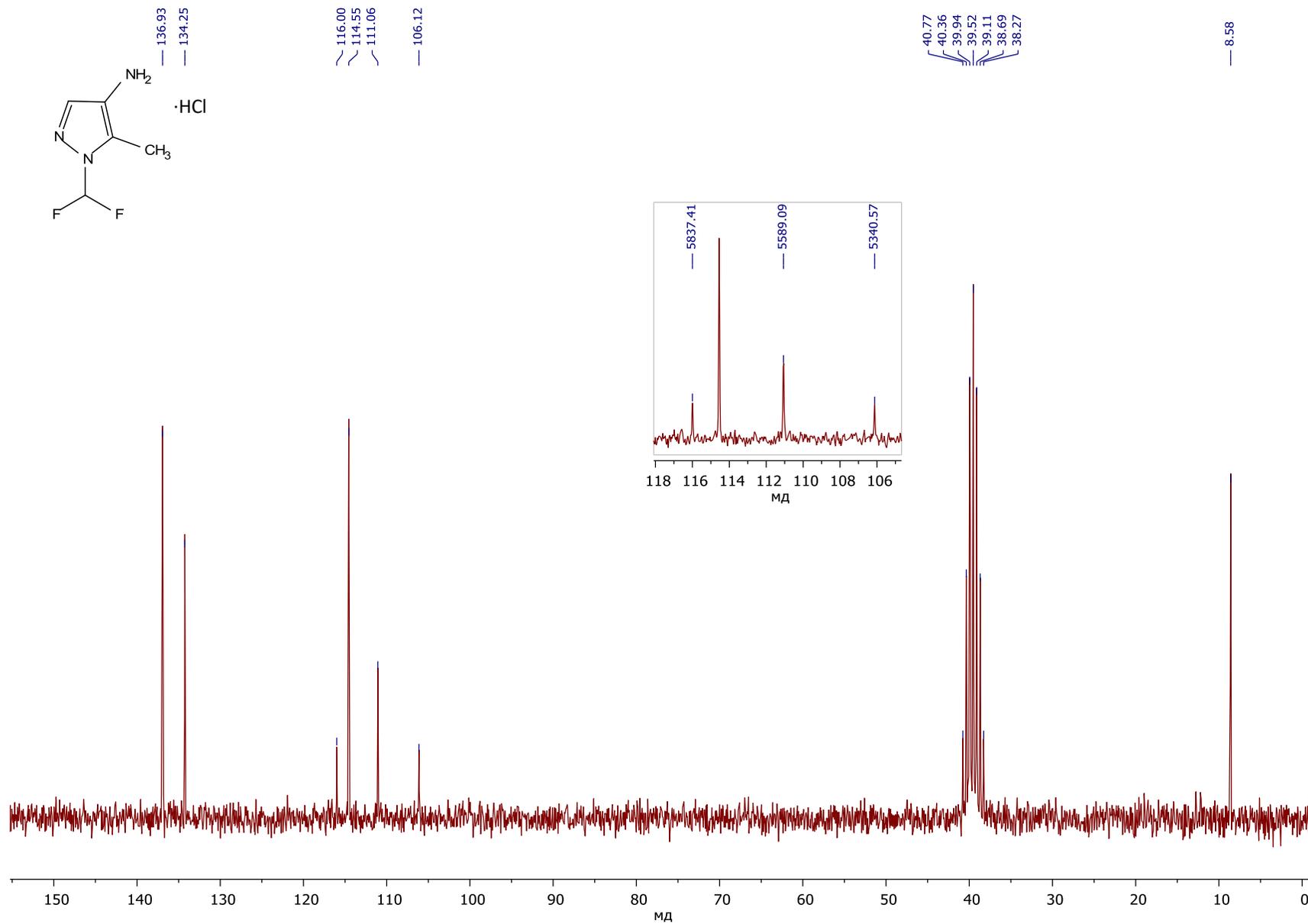
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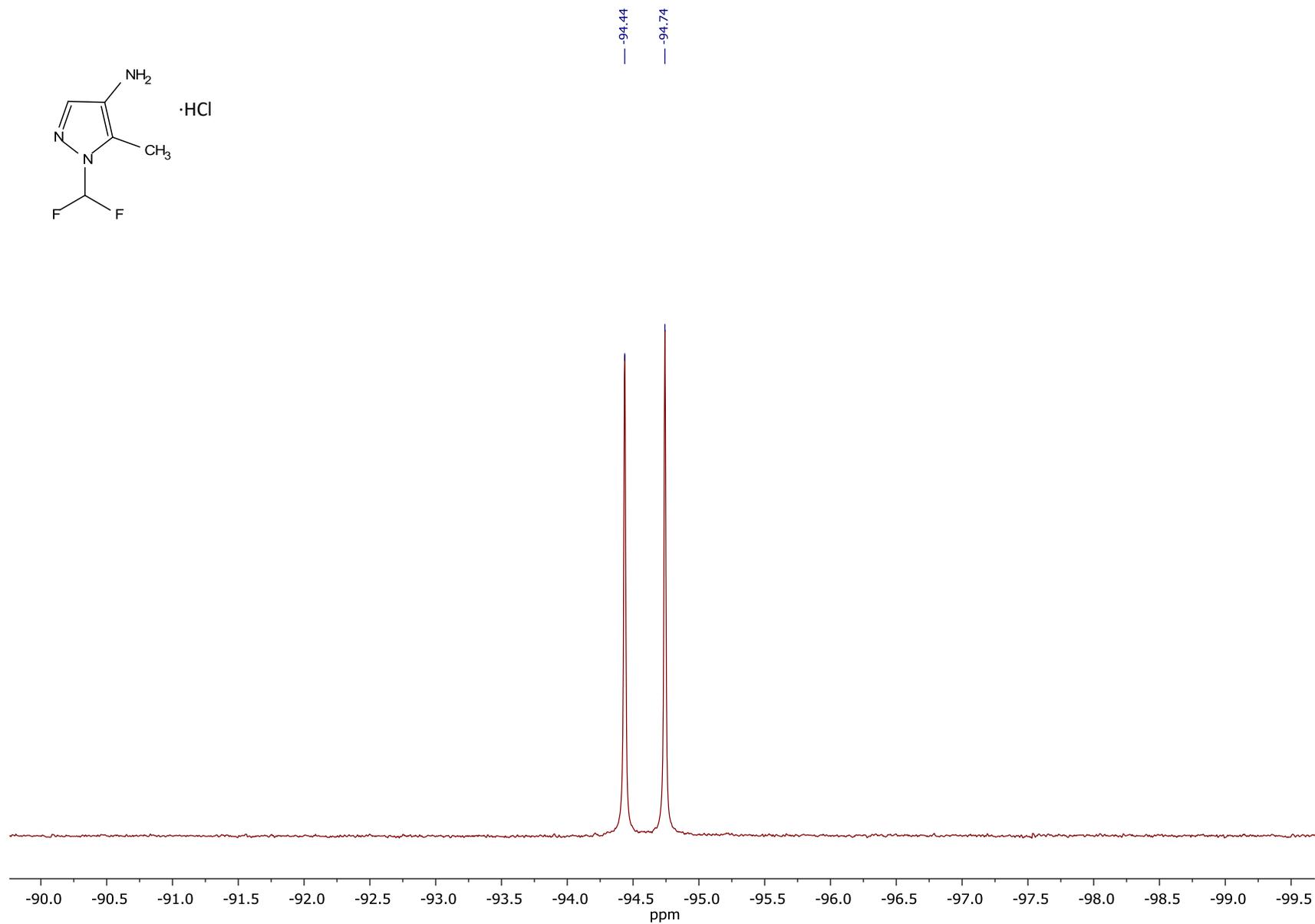
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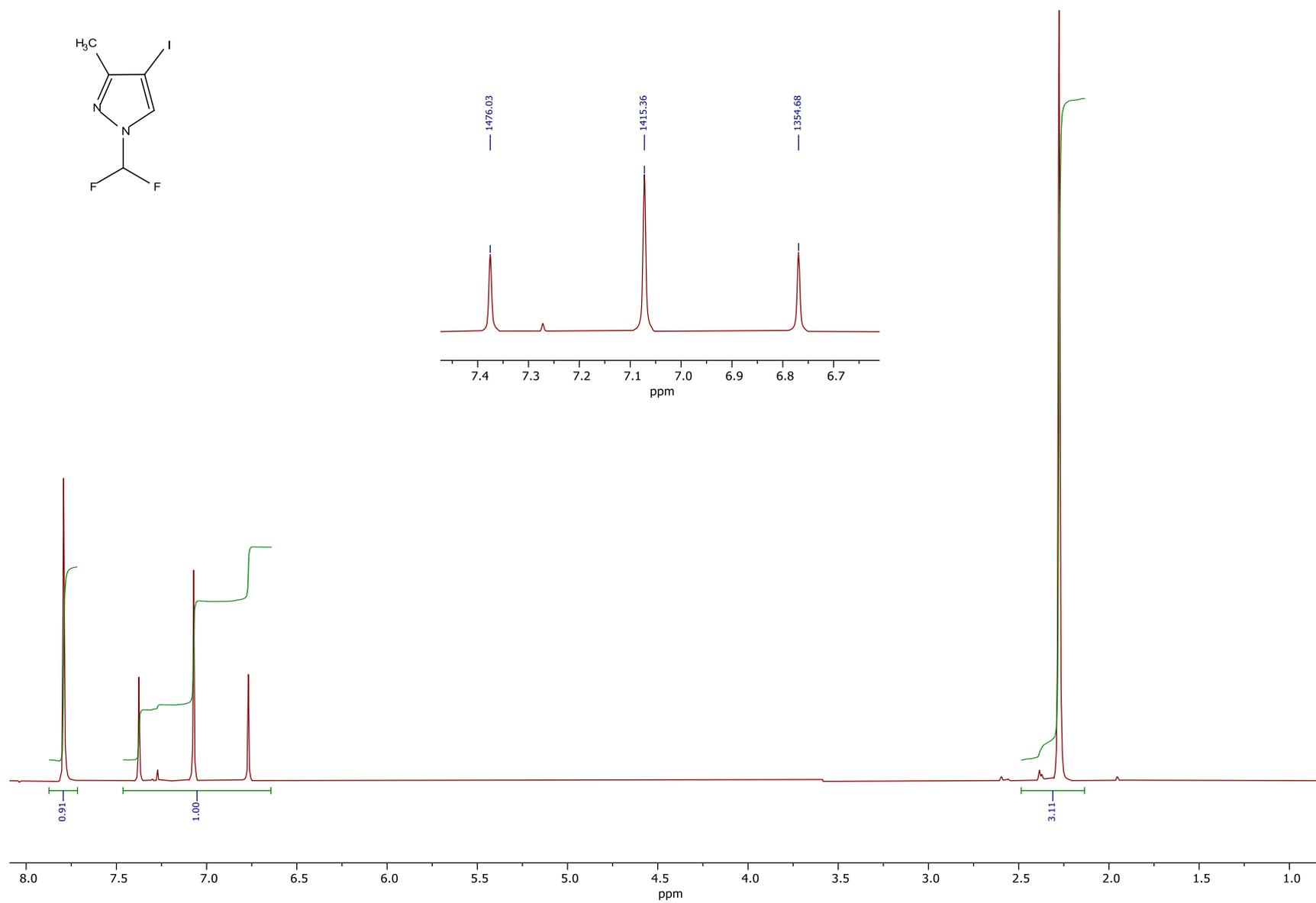
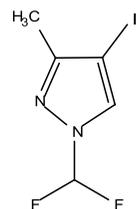
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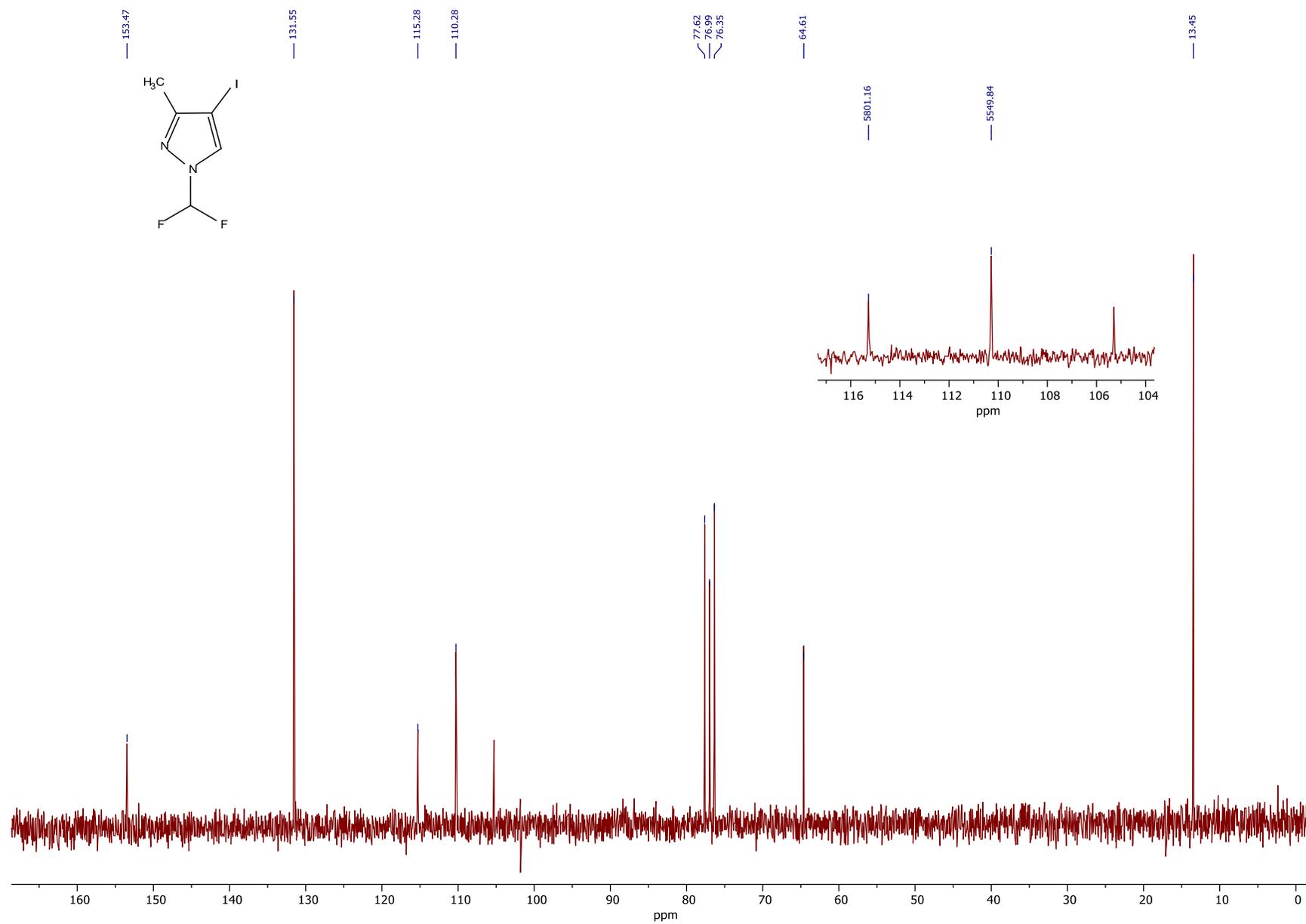
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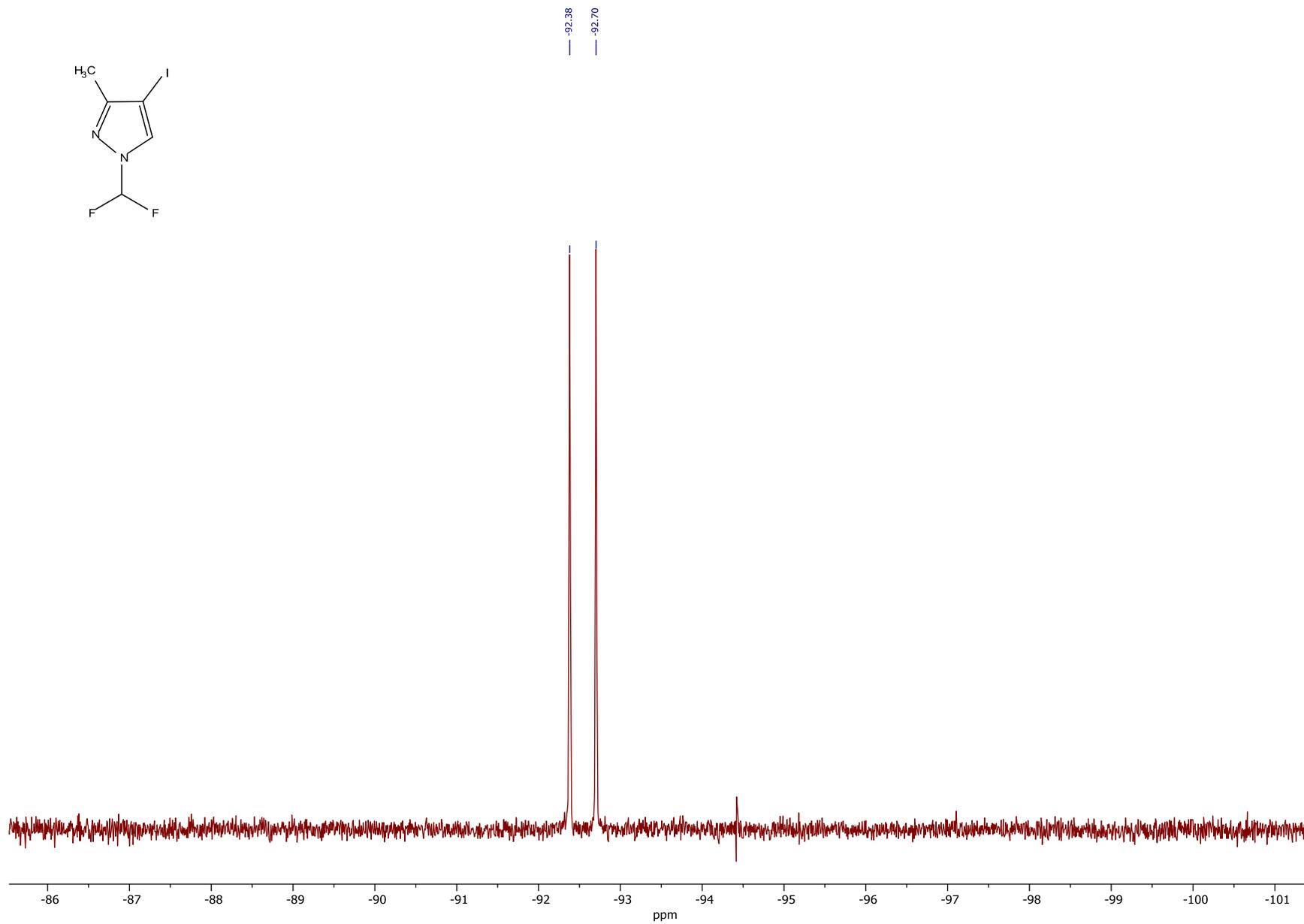
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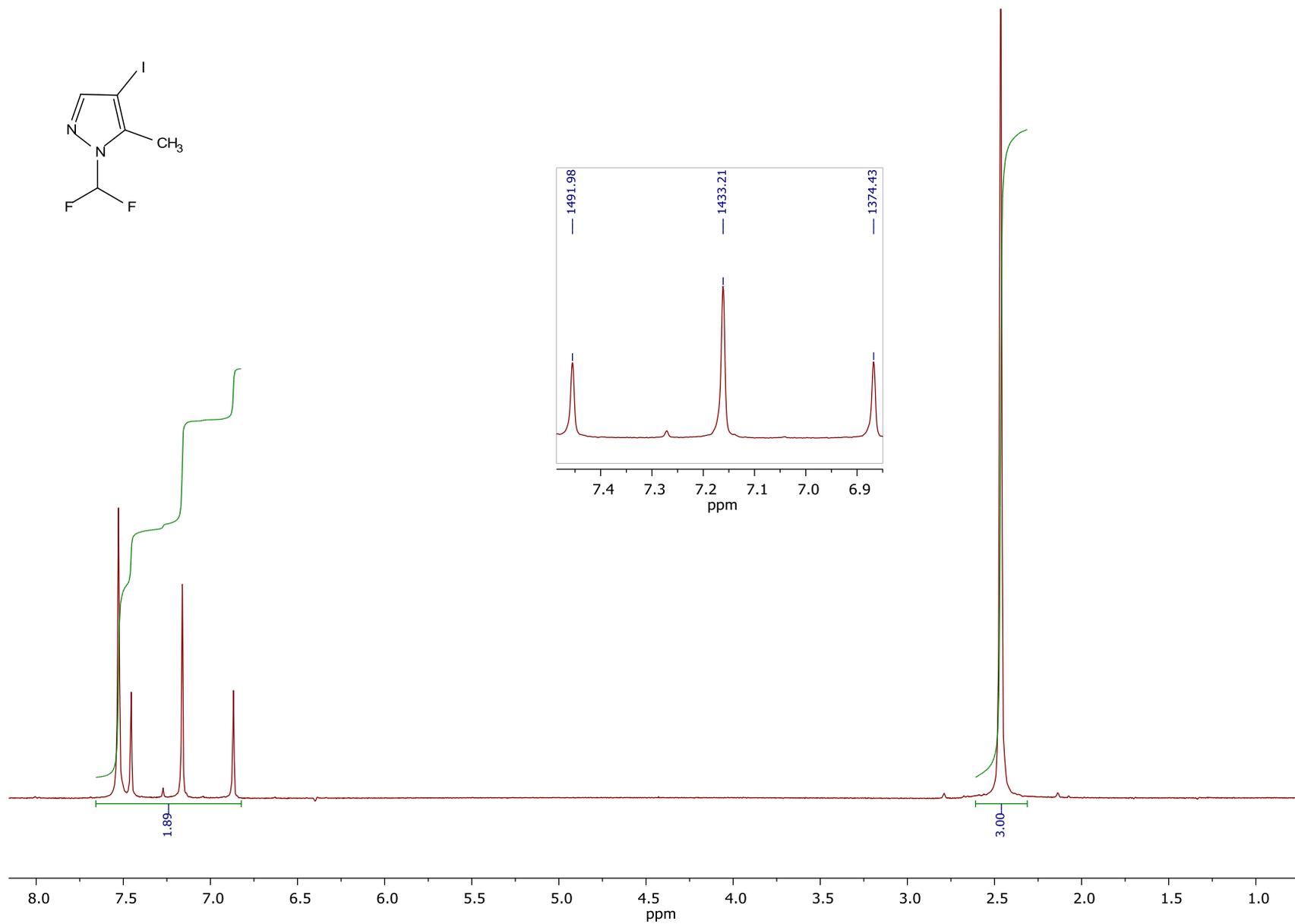
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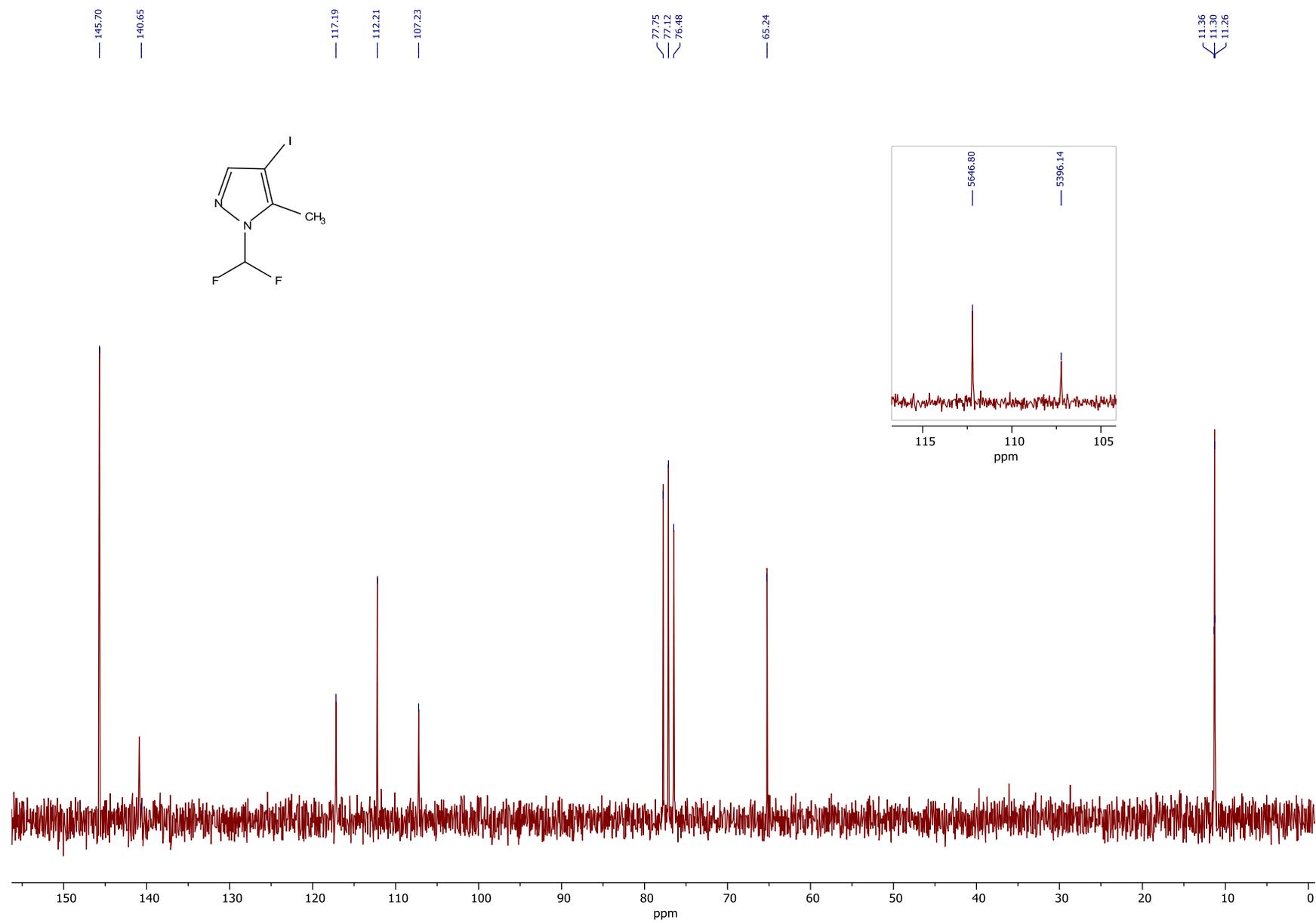
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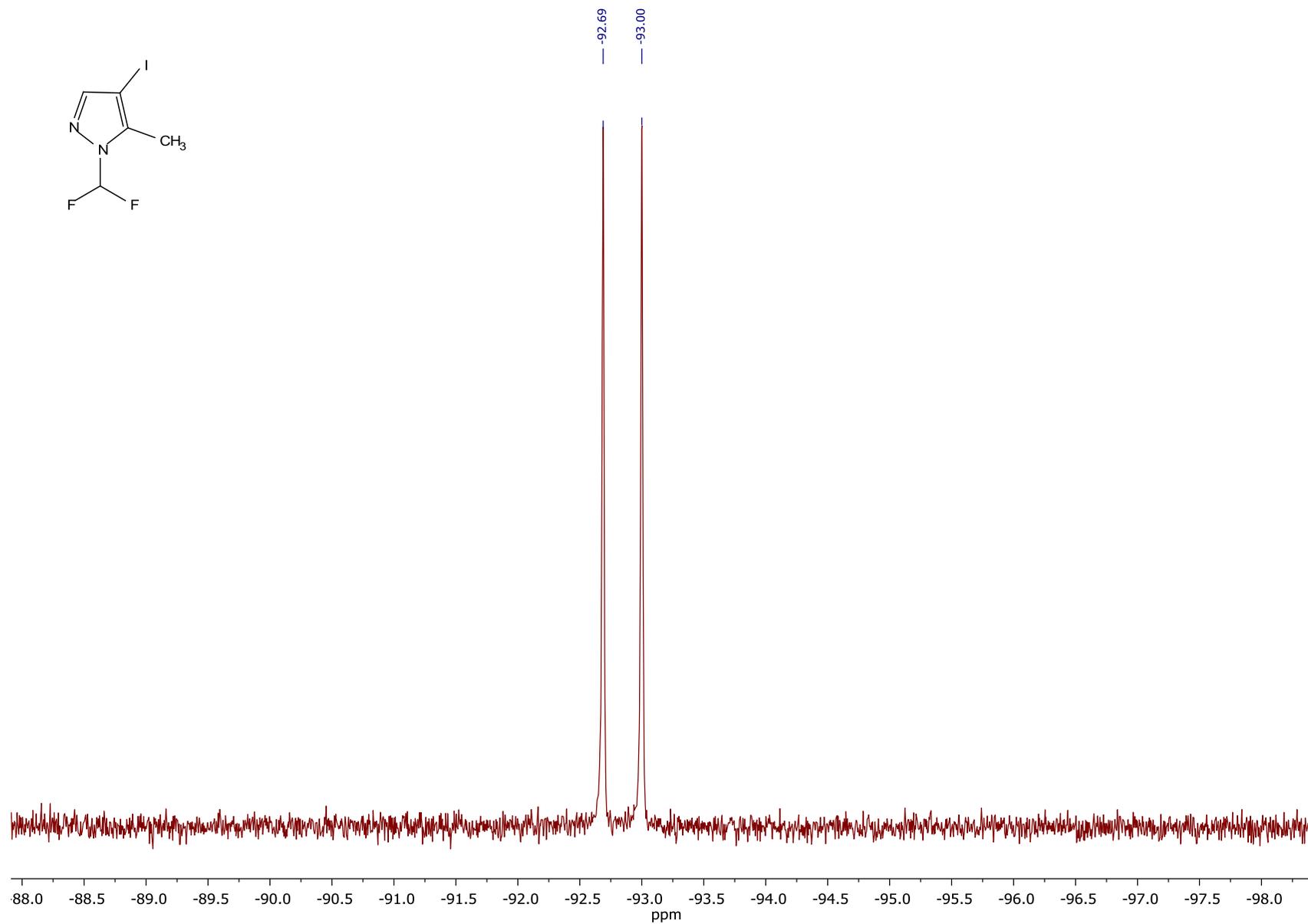
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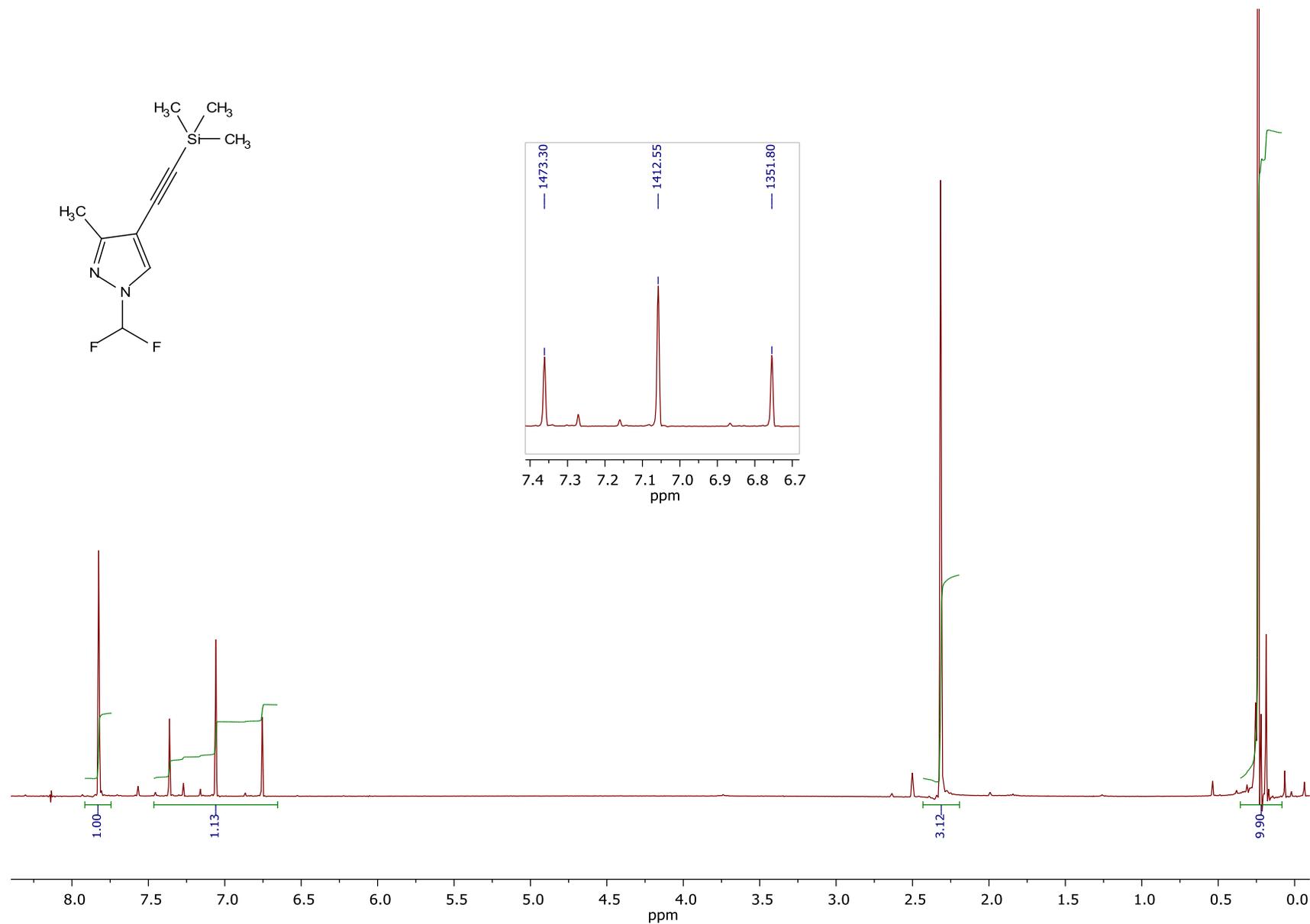
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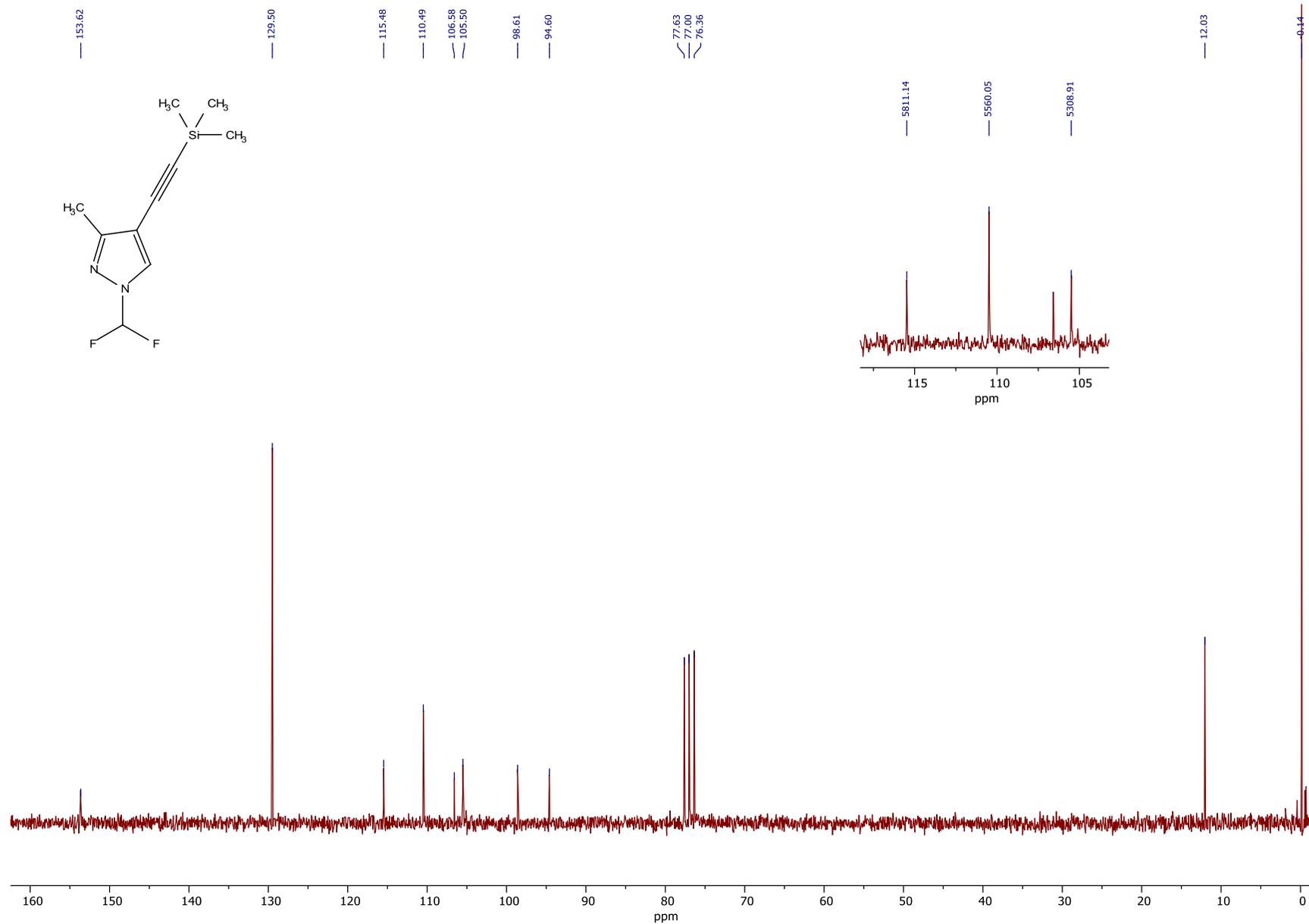
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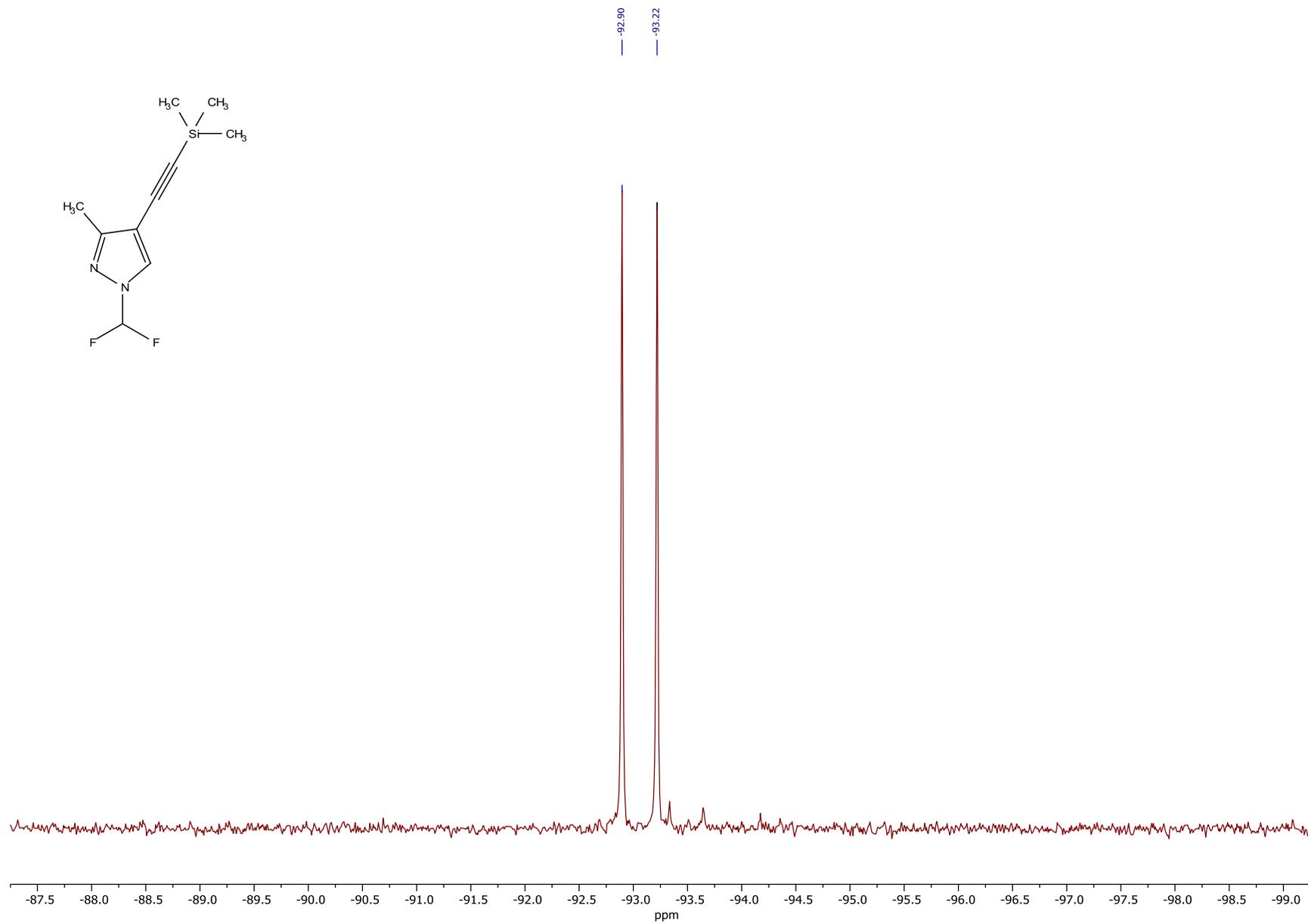
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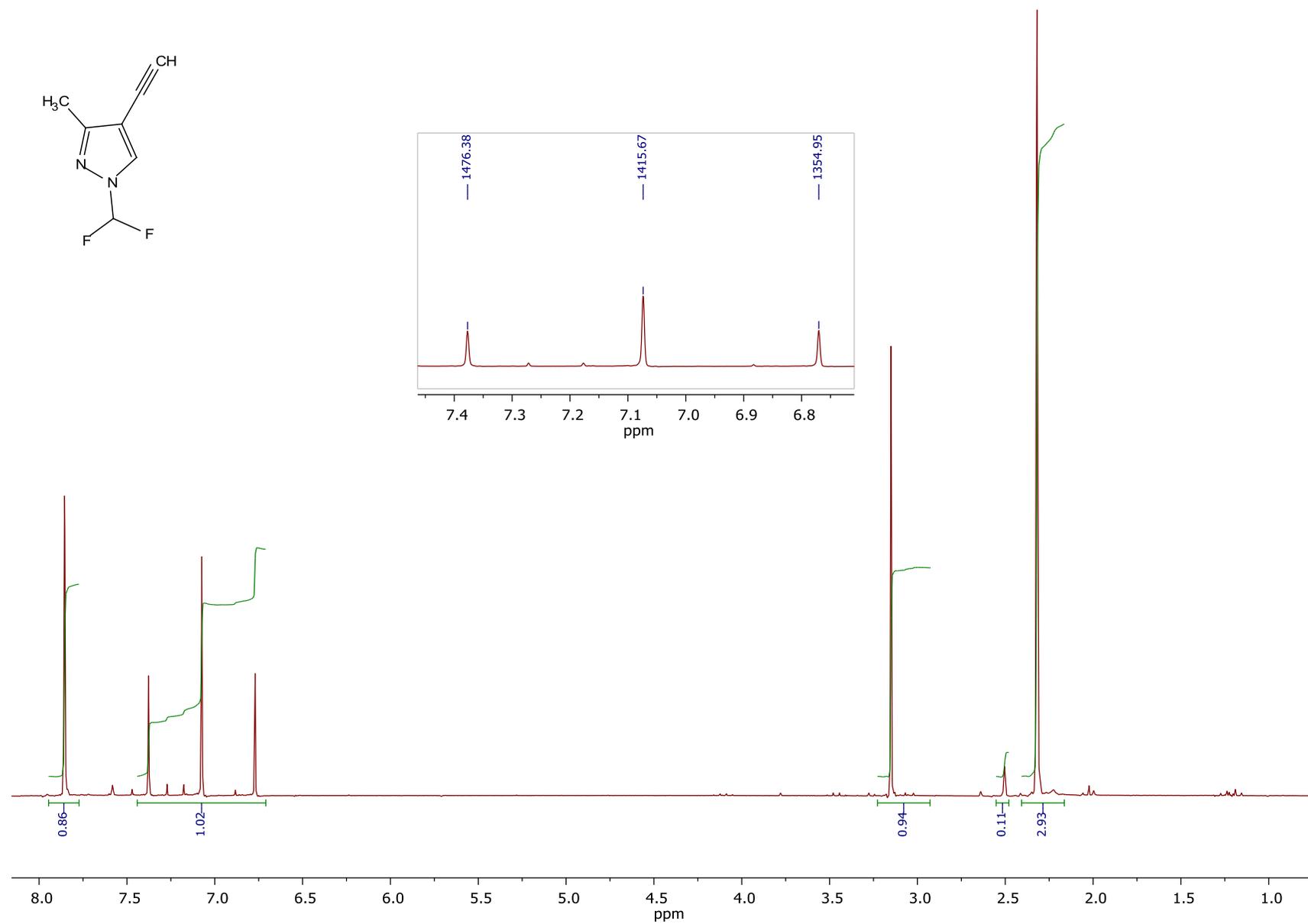
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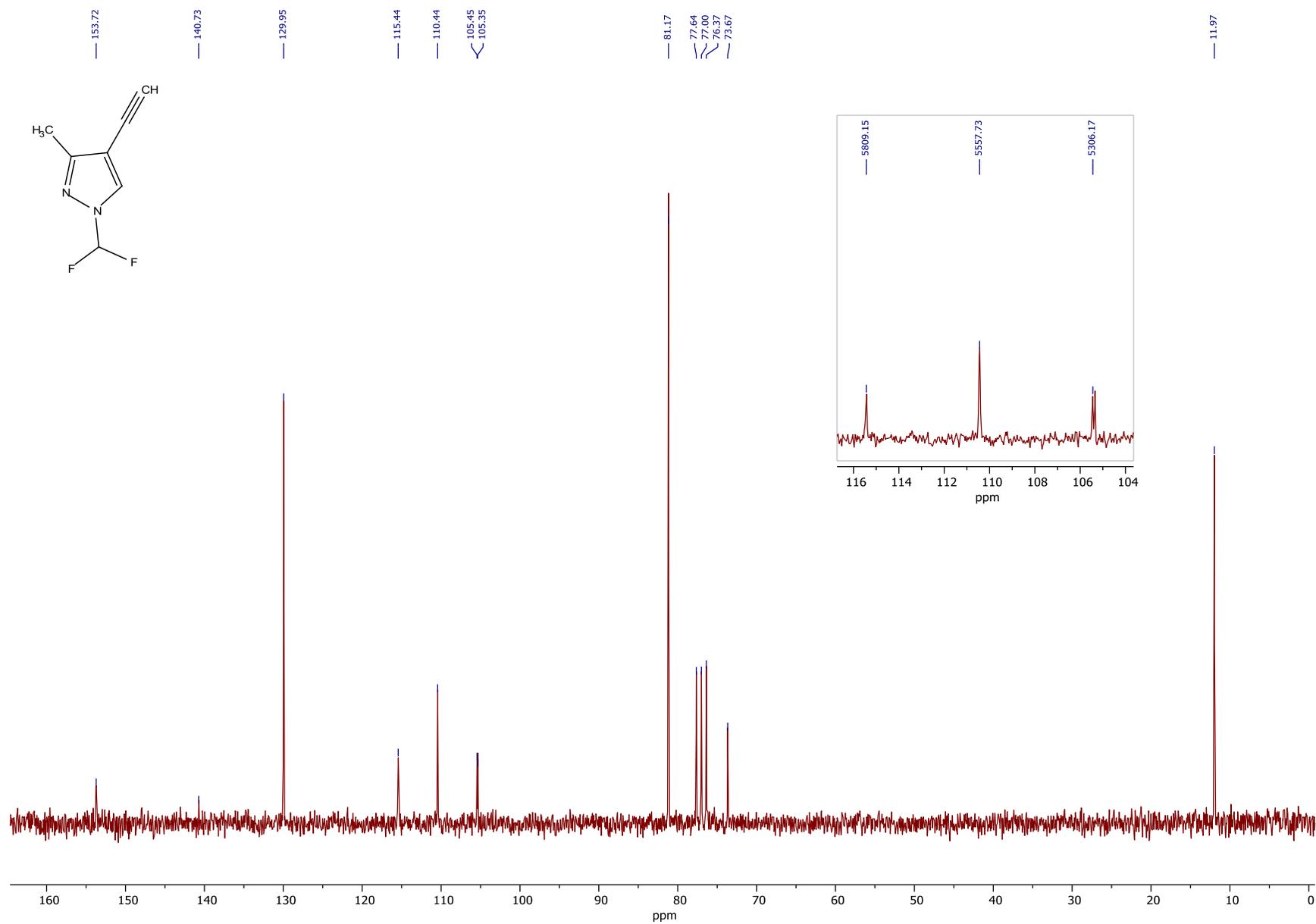
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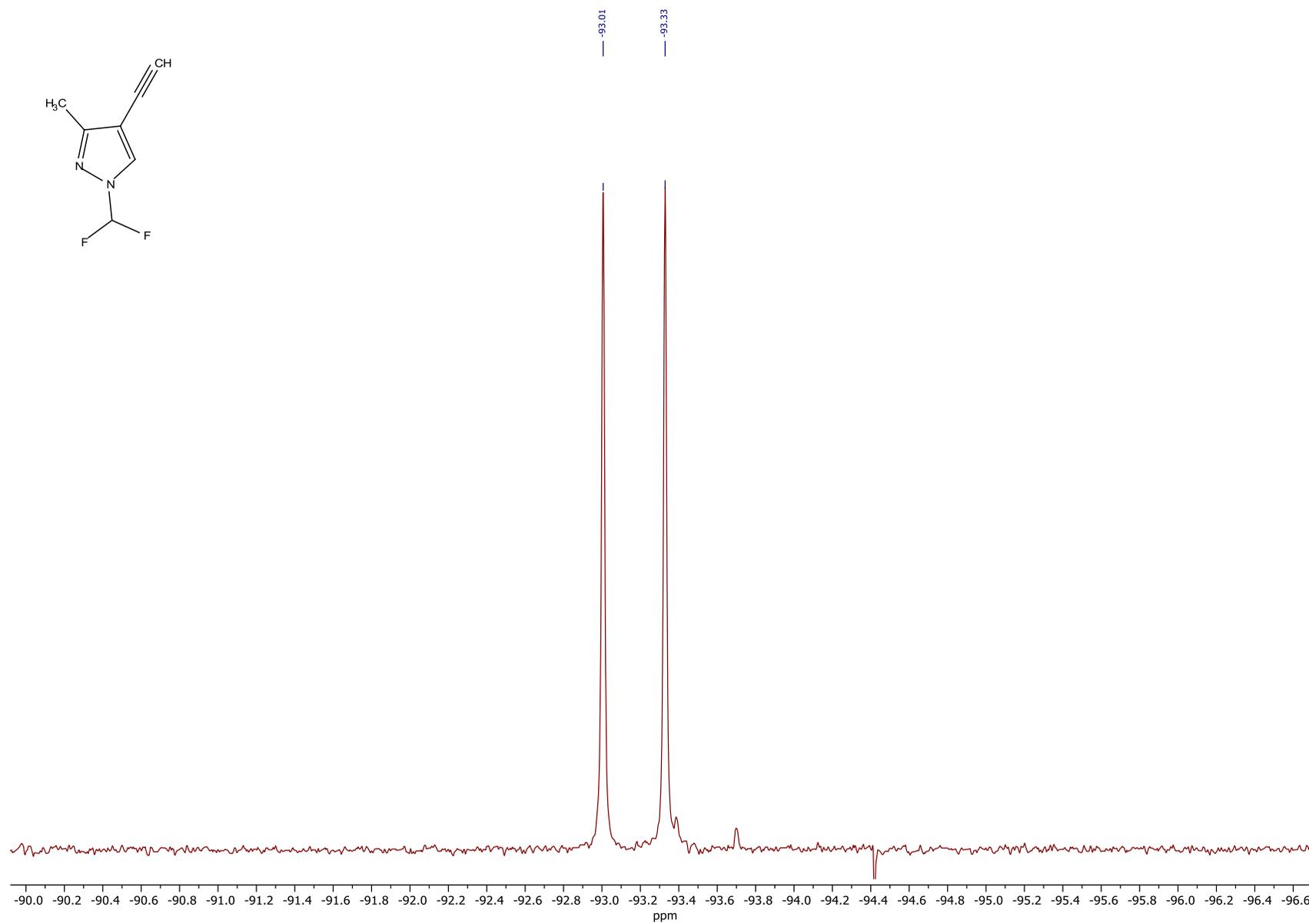
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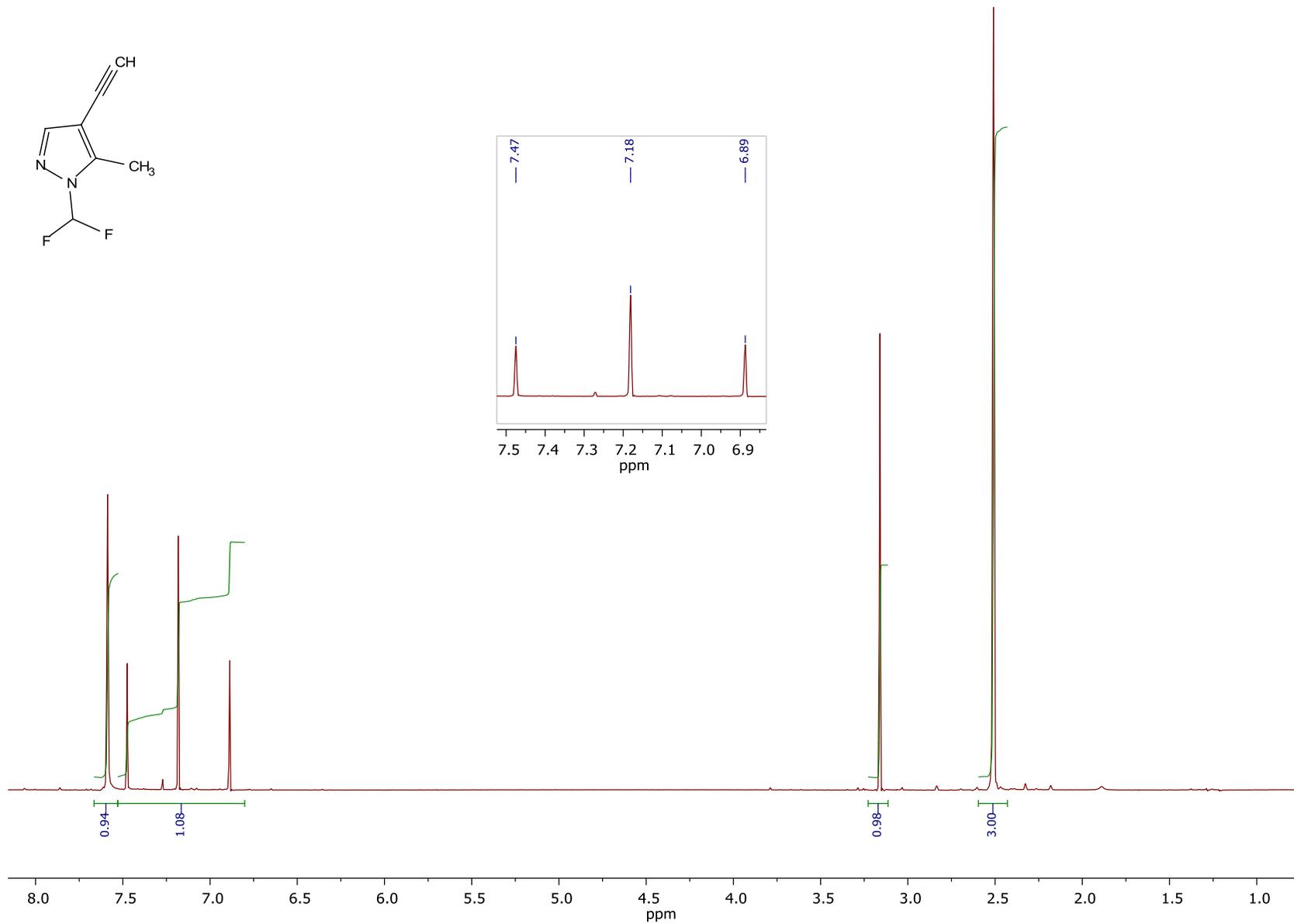
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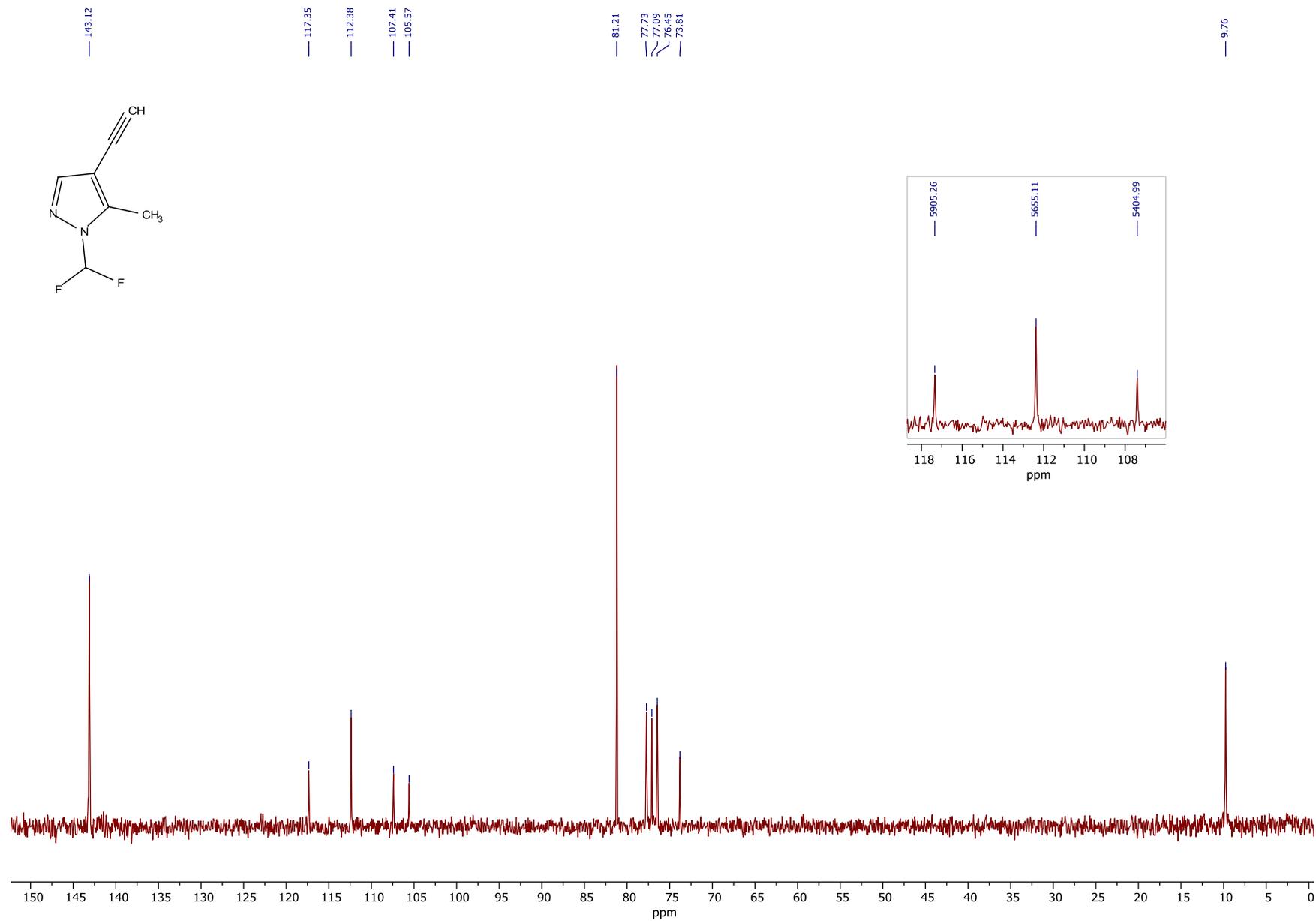
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^1H NMR spectrum of **10a**

^{13}C NMR spectrum of **10a**

^{19}F NMR spectrum of **10a**

^1H NMR spectrum of **10b**

^{13}C NMR spectrum of **10b**

^{19}F NMR spectrum of **10b**