



Supporting Information

for

Synthesis of new substituted 7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine-5-carboxylic acids containing a tetracyclic tetrahydroisoquinoline core structure

Agnieszka Grajewska, Maria Chrzanowska and Wiktoria Adamska

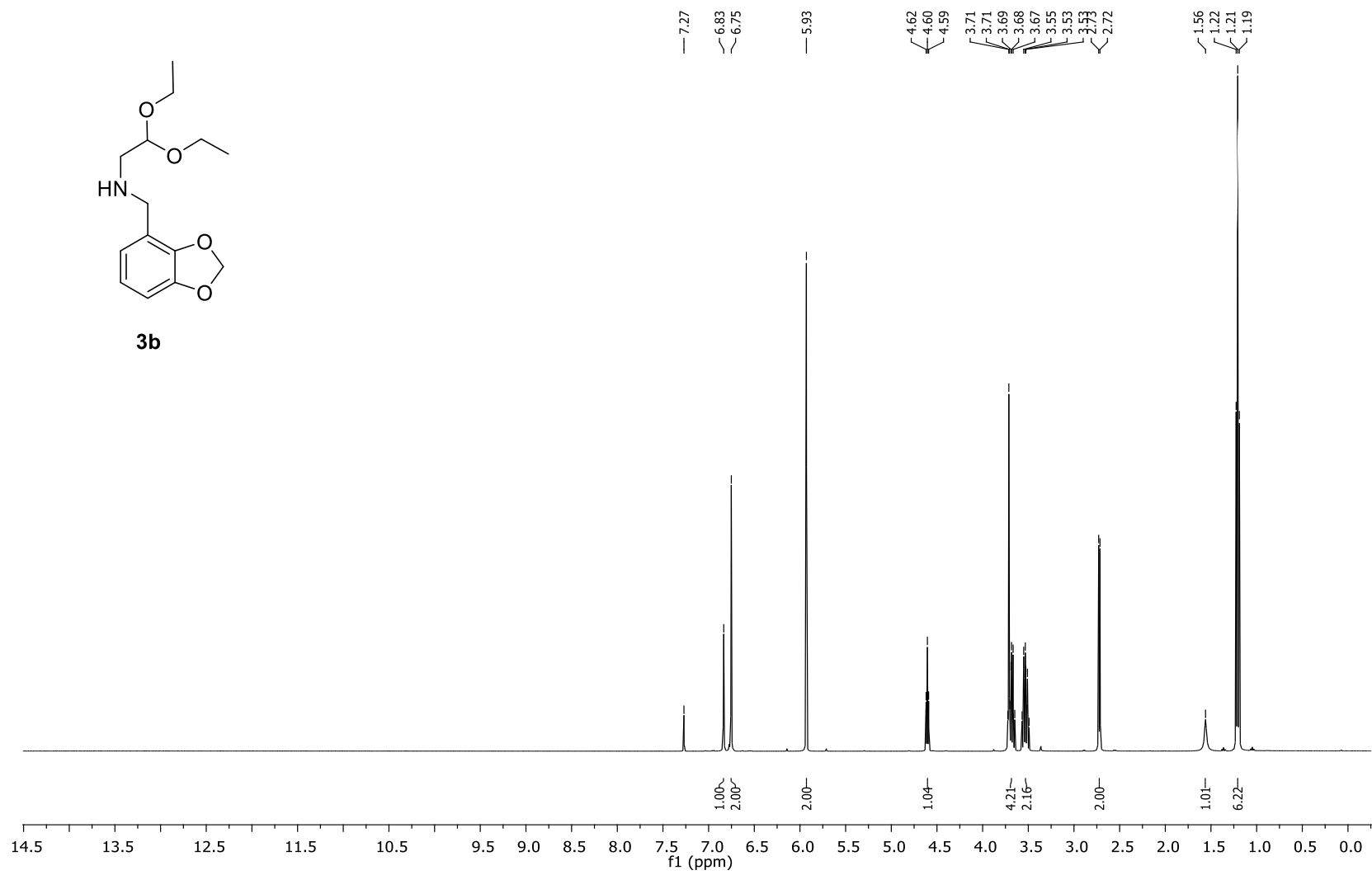
Beilstein J. Org. Chem. **2021**, *17*, 2511–2519. [doi:10.3762/bjoc.17.168](https://doi.org/10.3762/bjoc.17.168)

Copies of ^1H NMR and ^{13}C NMR spectra

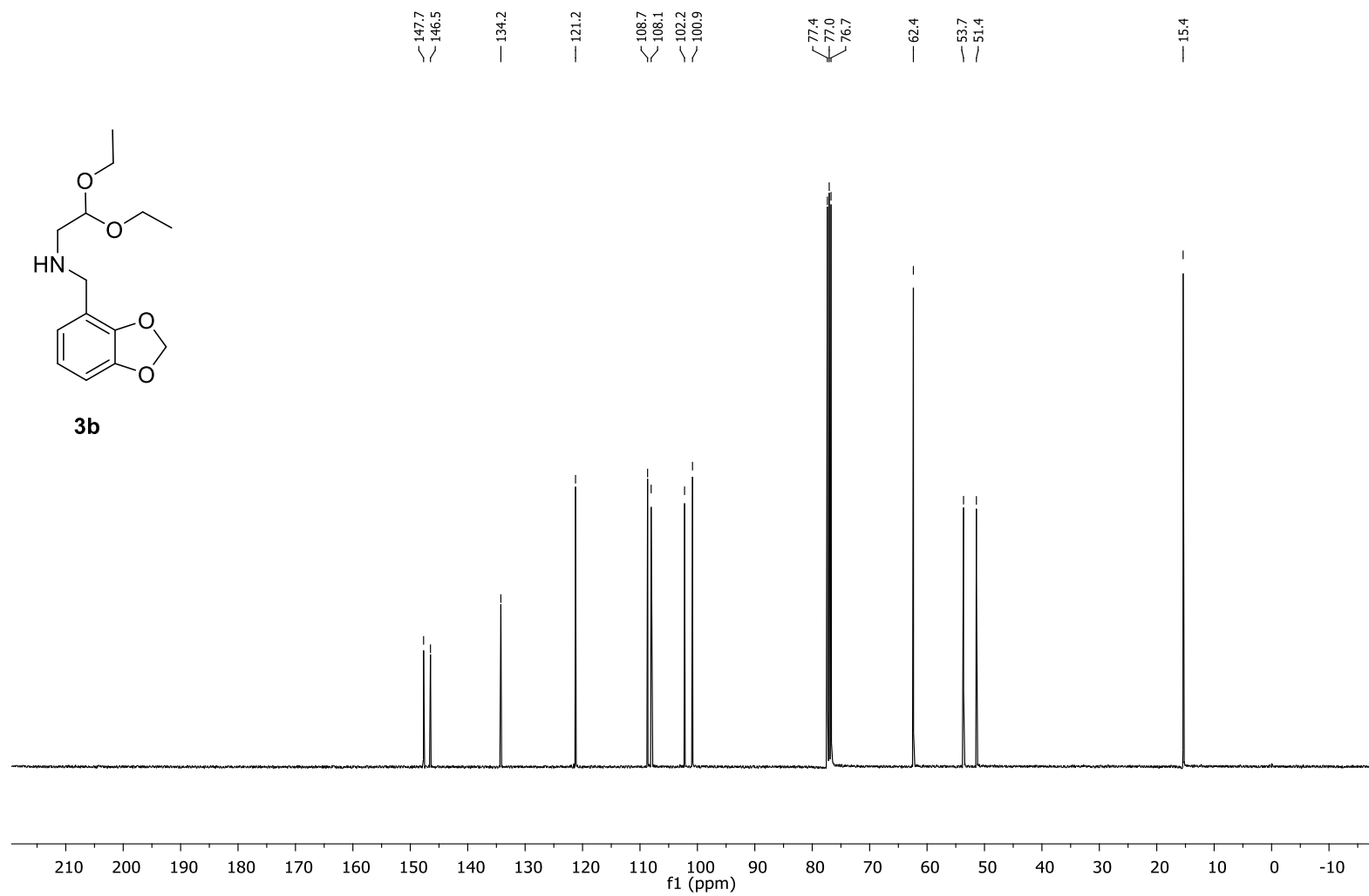
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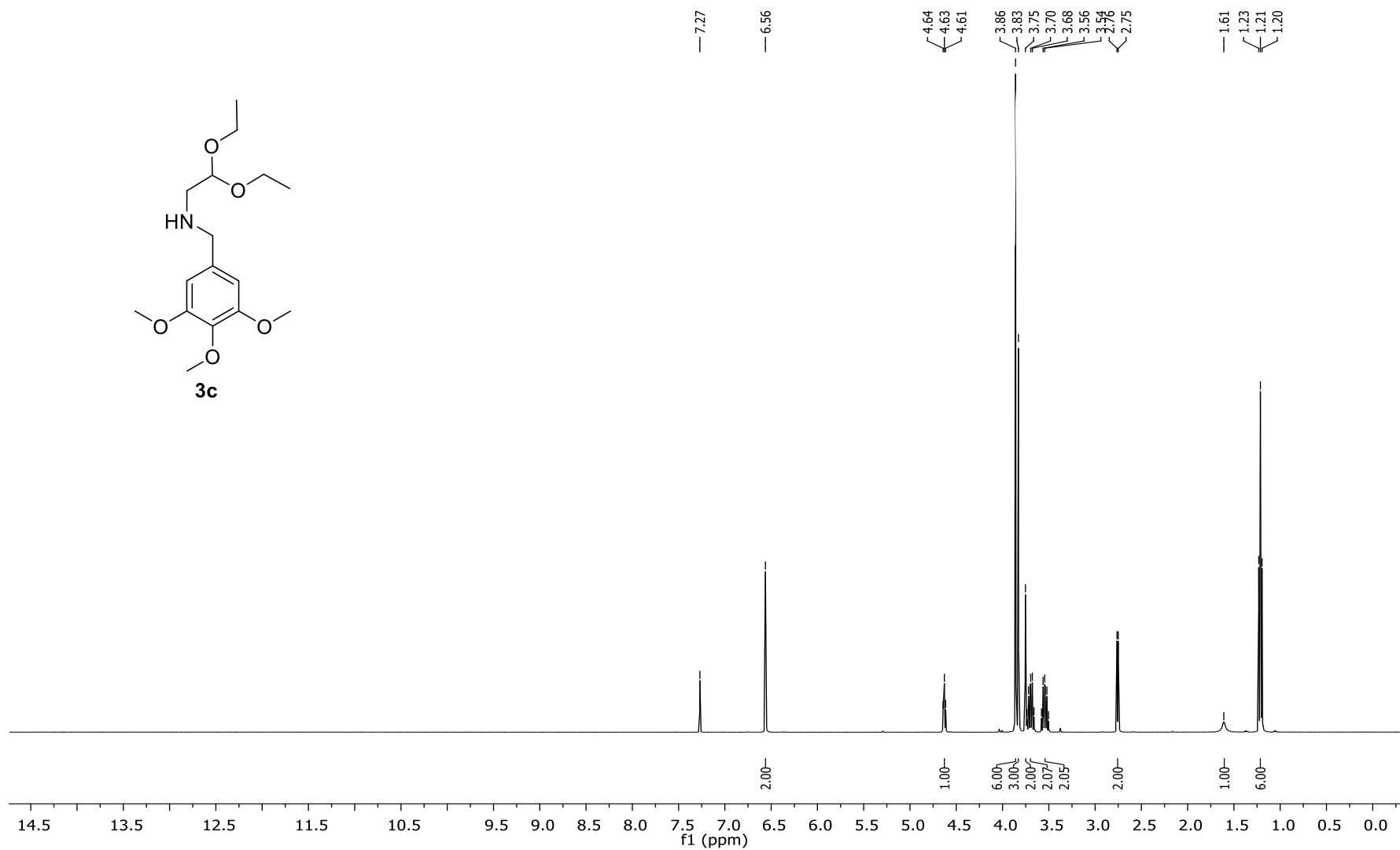
¹H NMR of *N*-(2,3-methylenedioxybenzyl)aminoacetaldehyde diethyl acetal (**3b**)



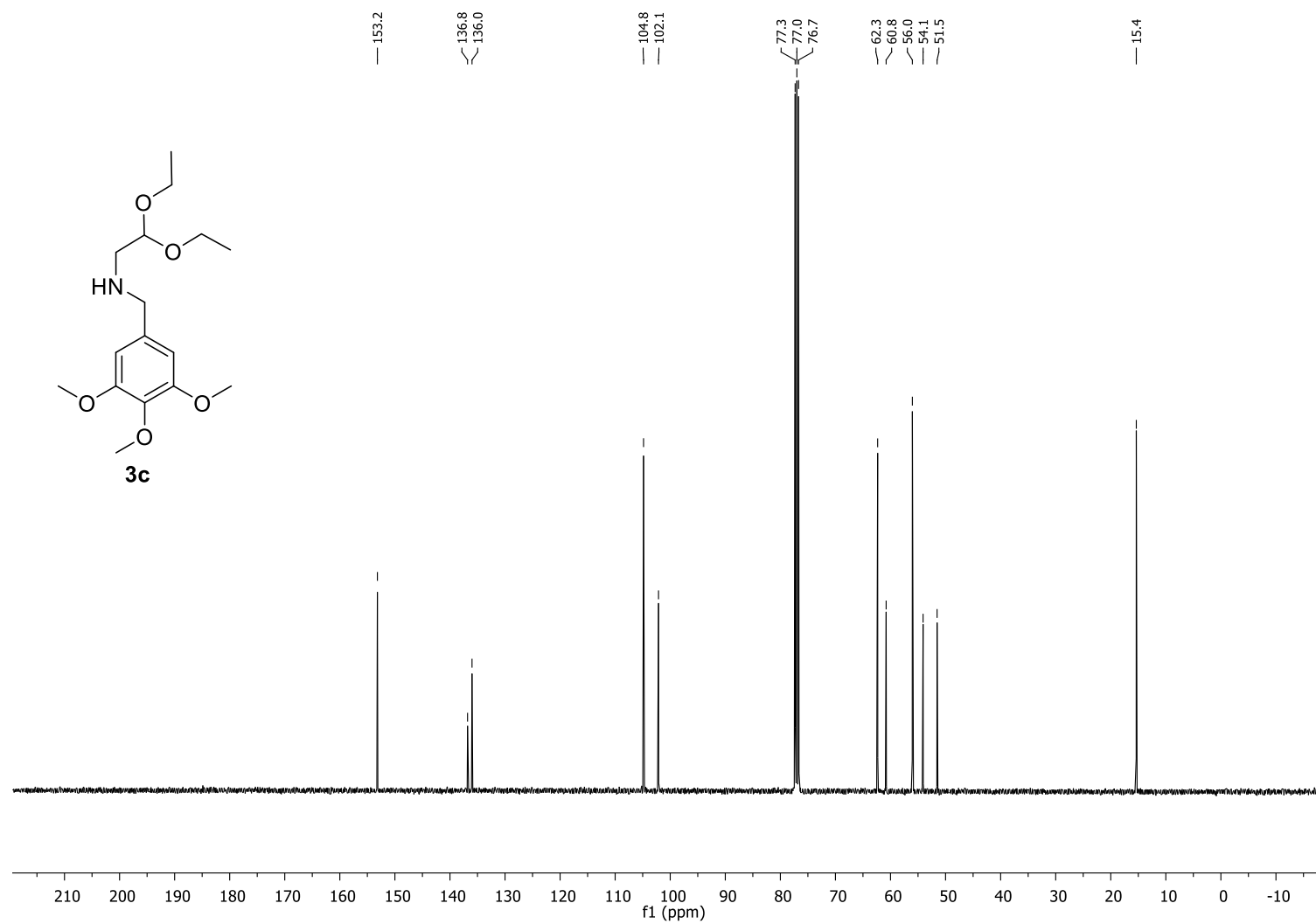
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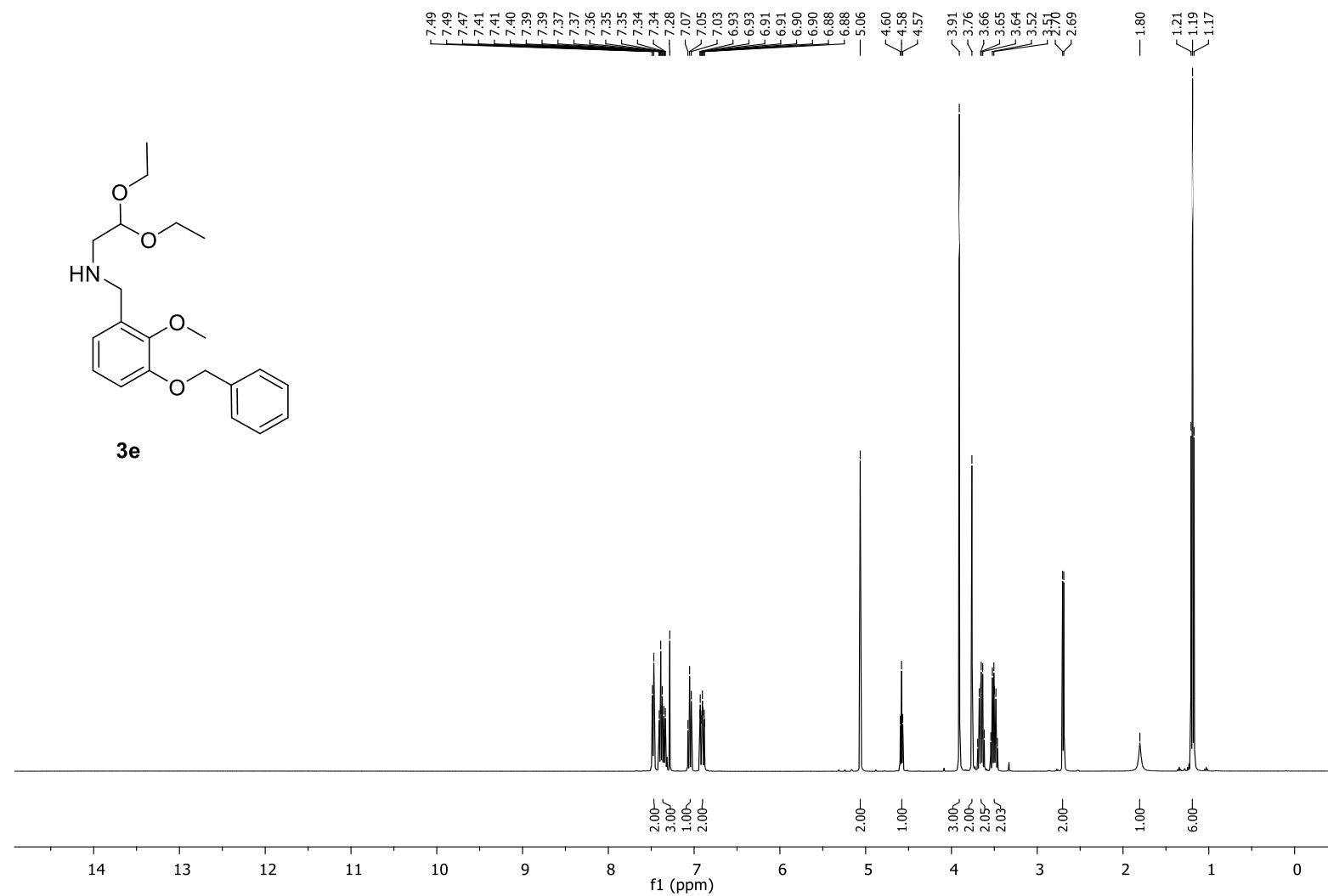
^1H NMR of *N*-(3,4,5-trimethoxybenzyl)aminoacetaldehyde diethyl acetal (**3c**)



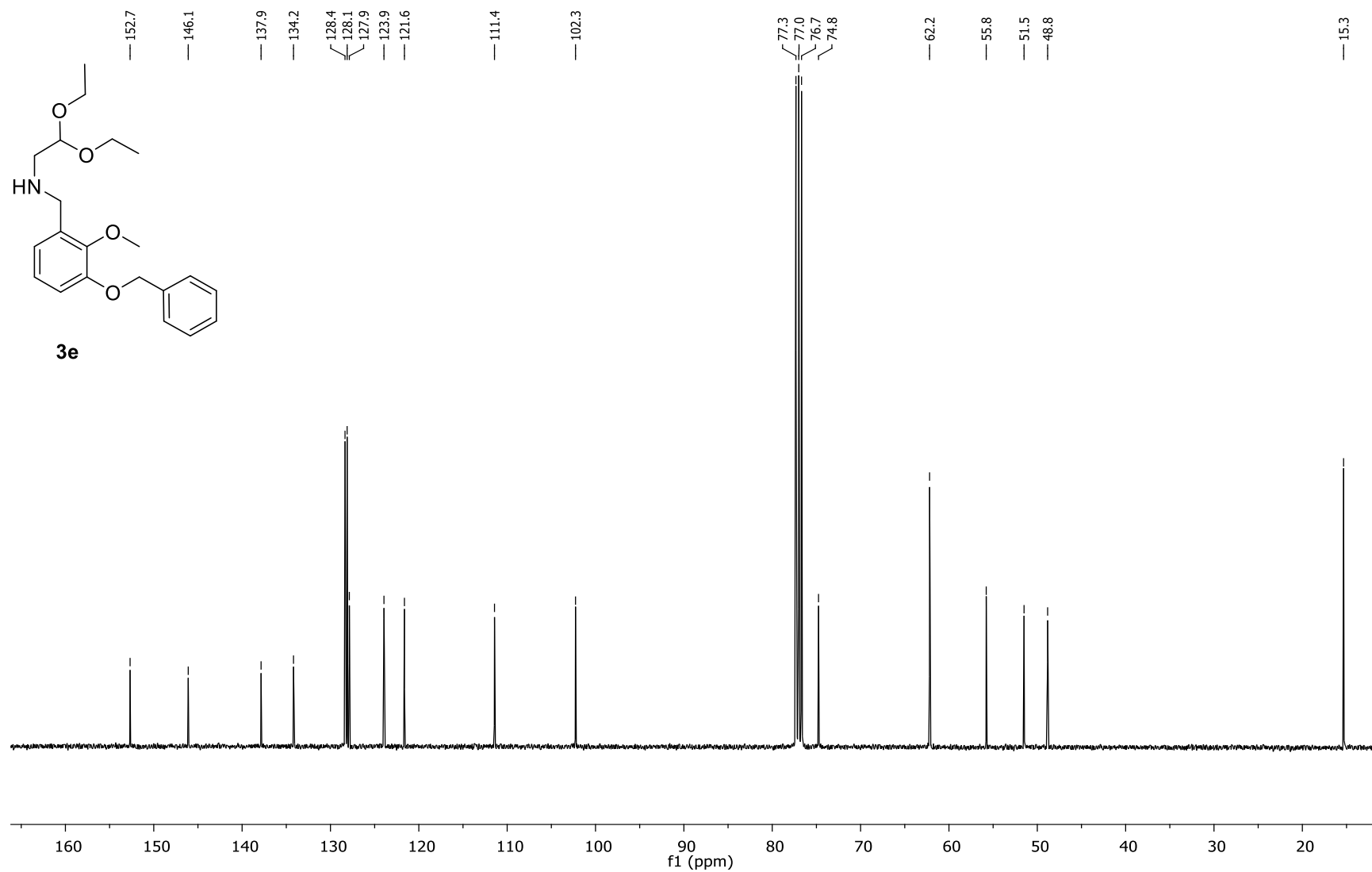
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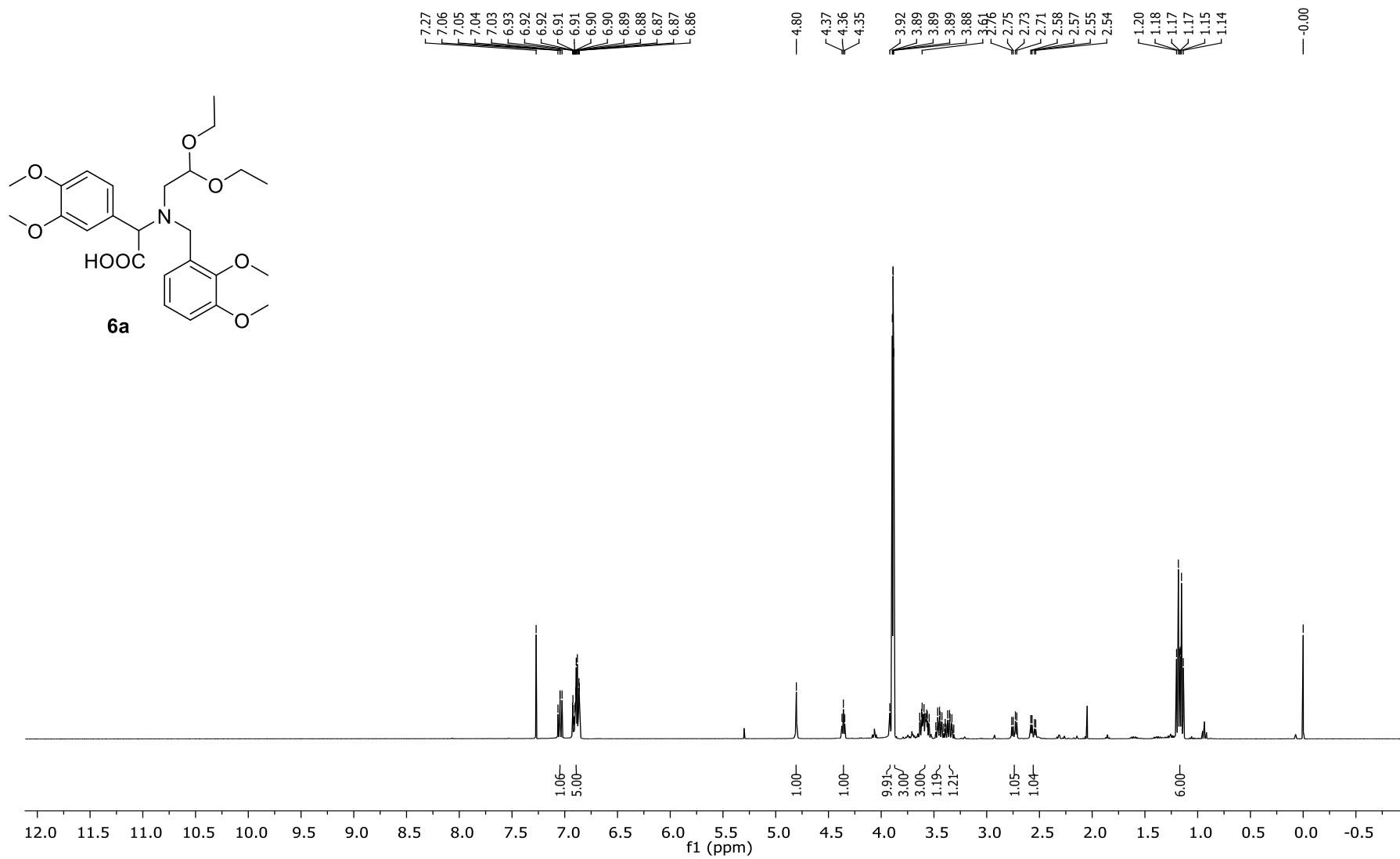
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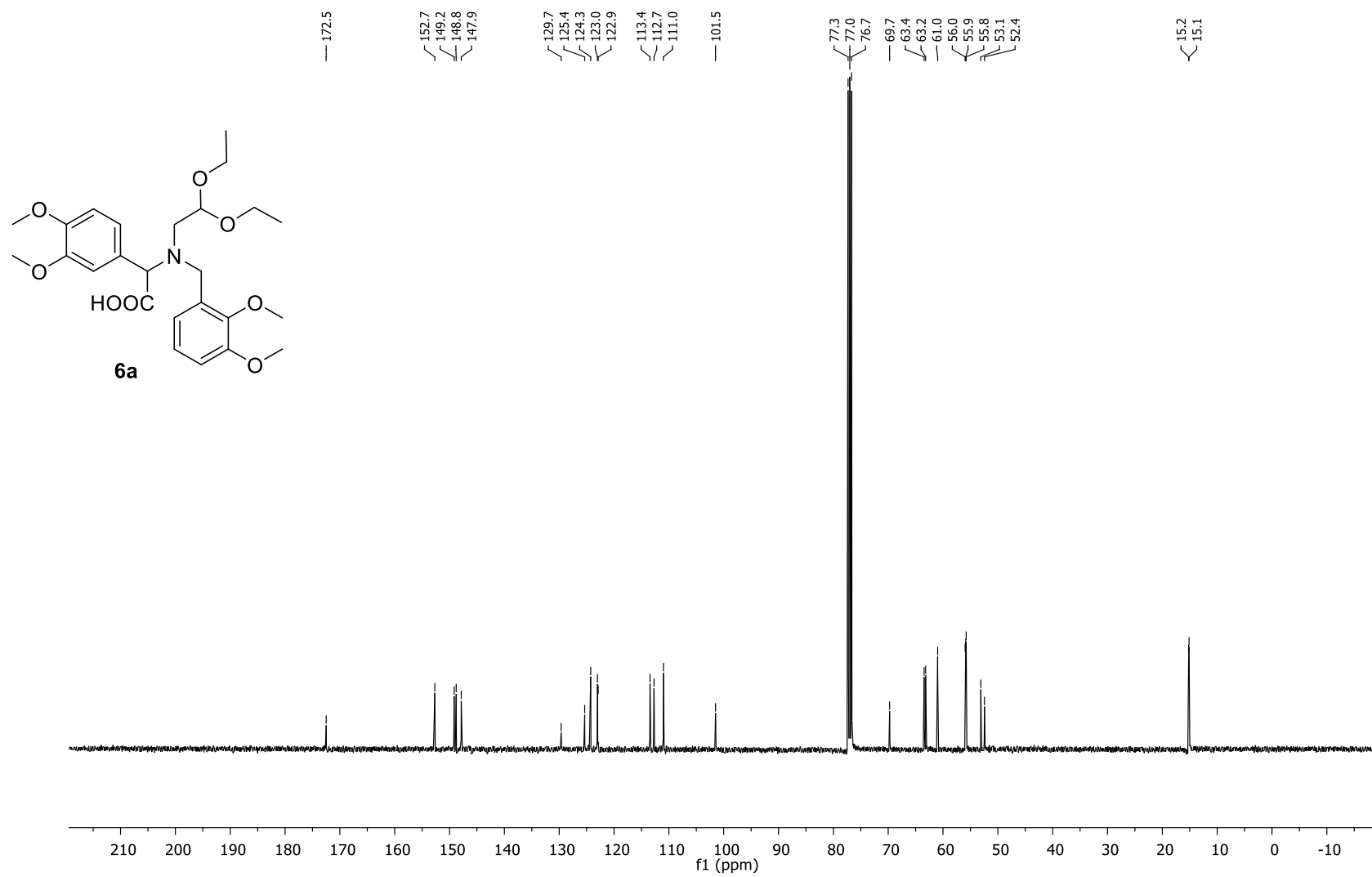
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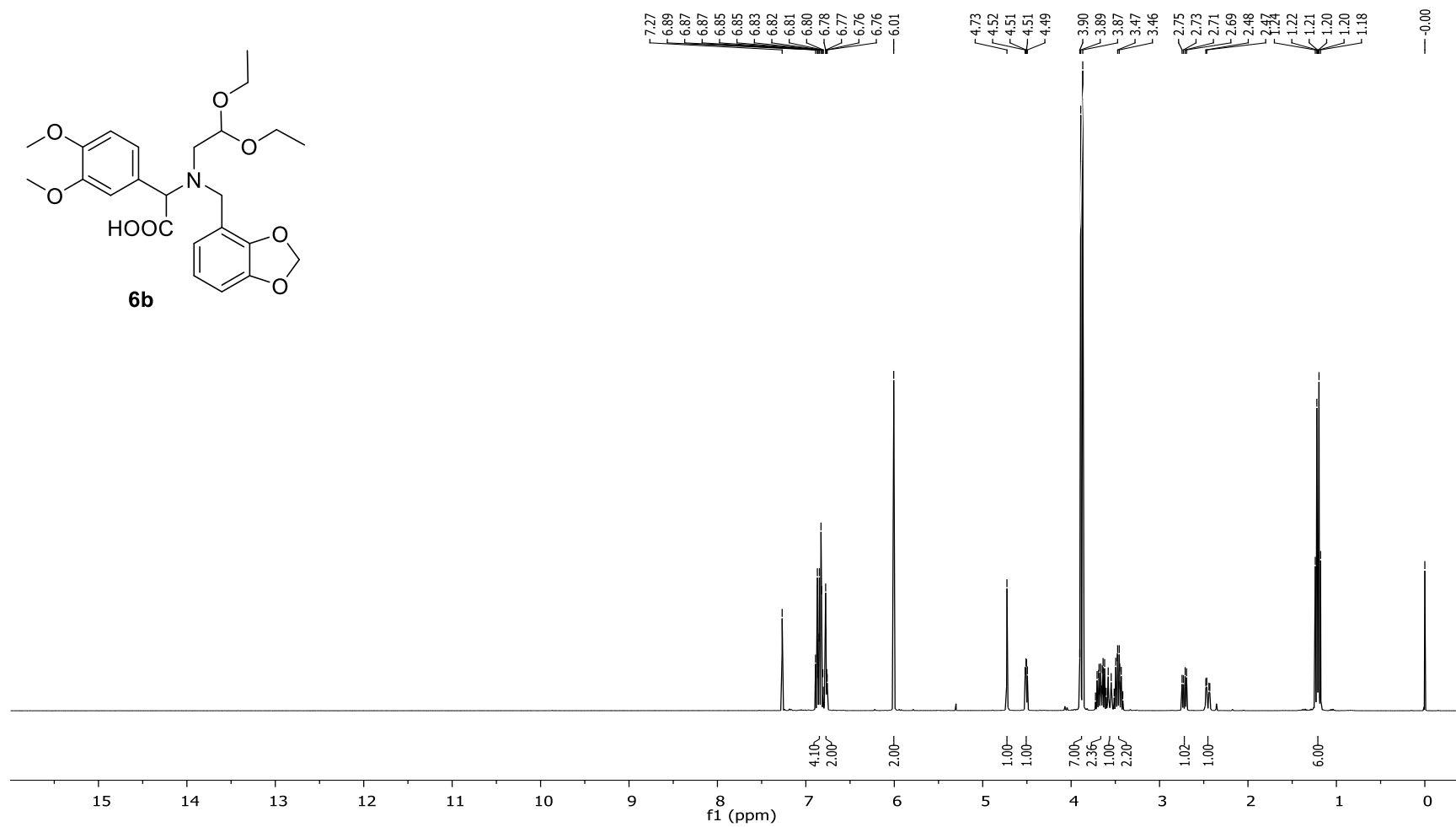
¹H NMR of *N*-(2,3-dimethoxybenzyl)-*N*-(2,2-diethoxyethyl)-3,4-dimethoxyphenylglycine (**6a**)



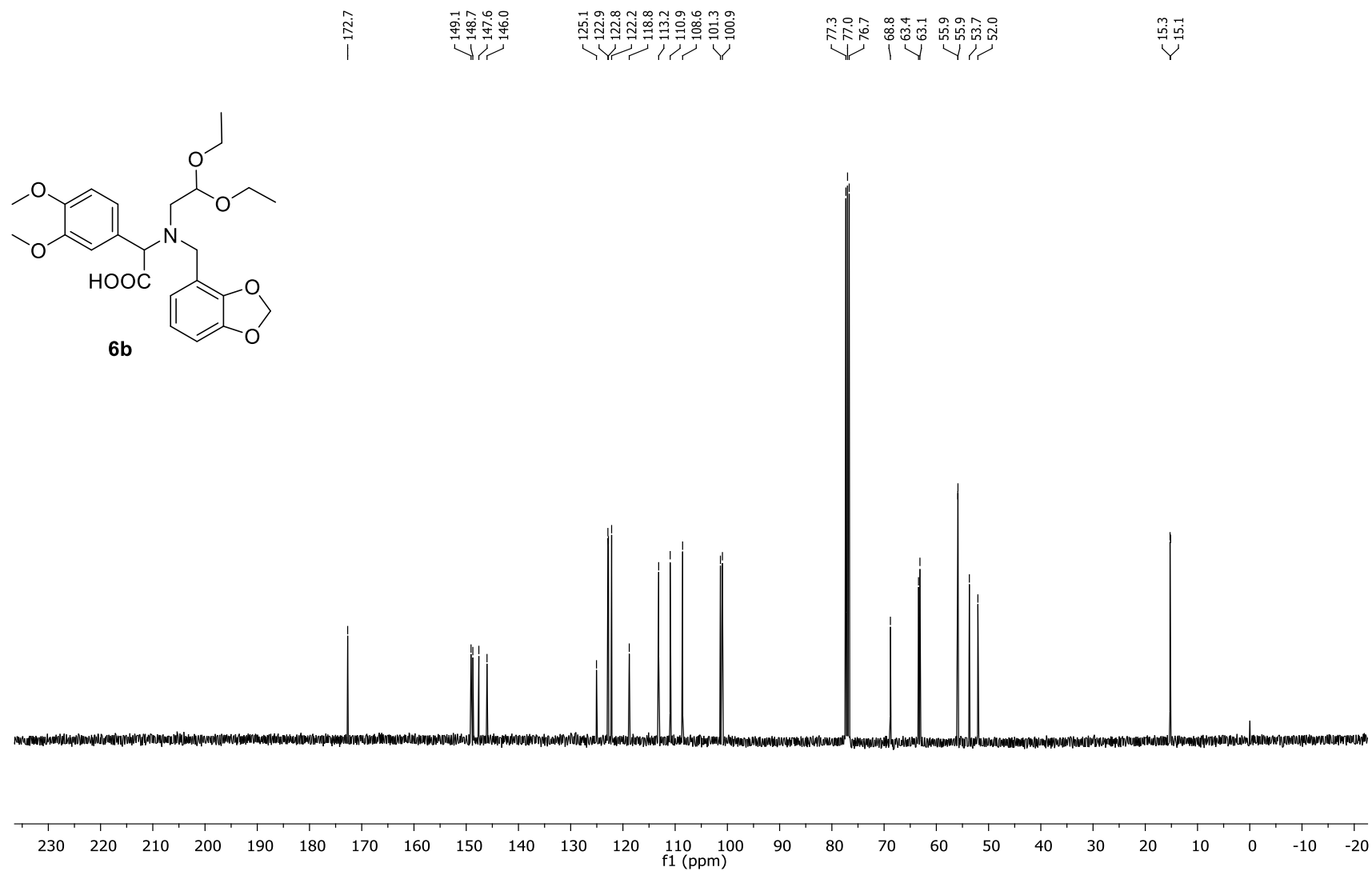
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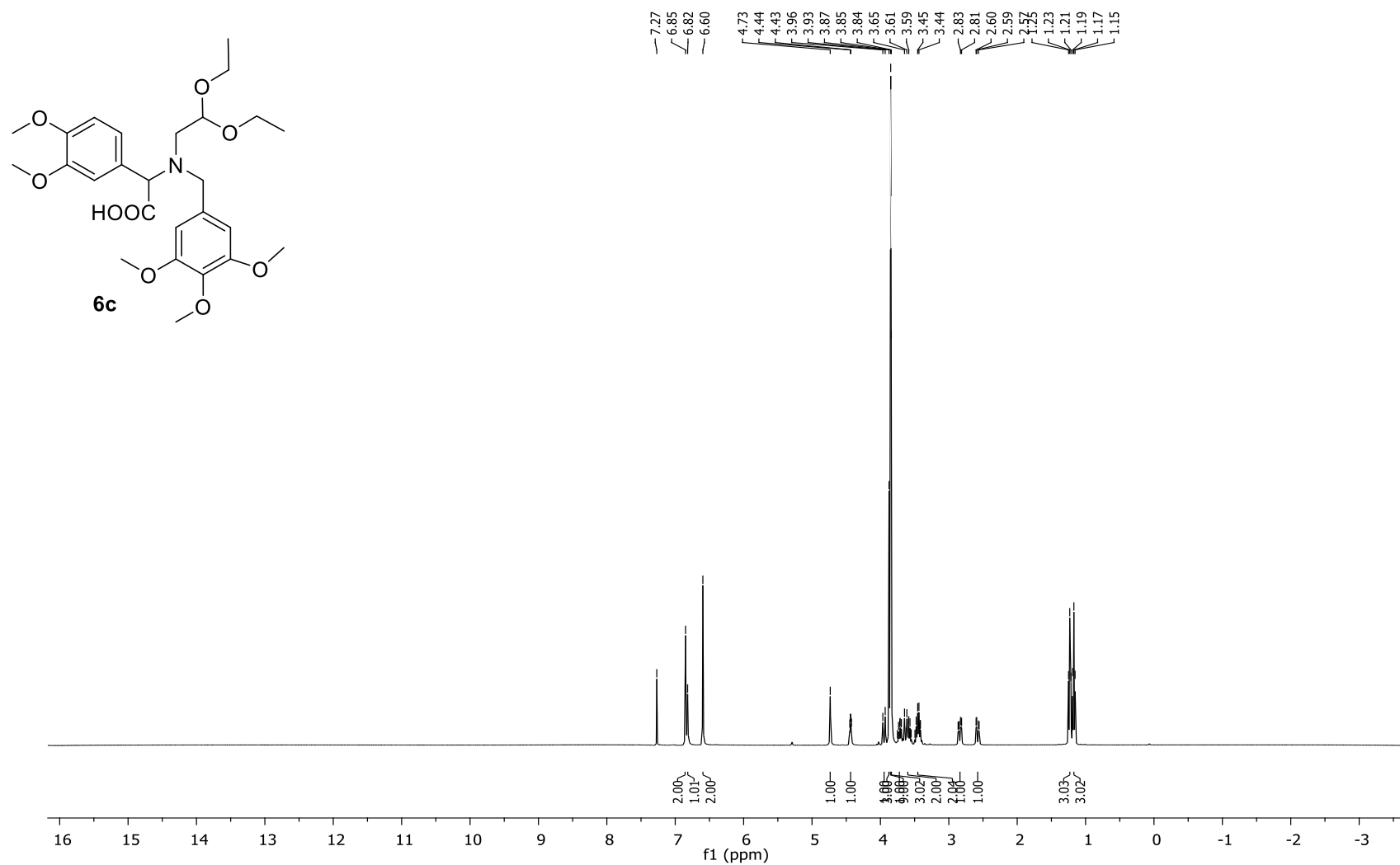
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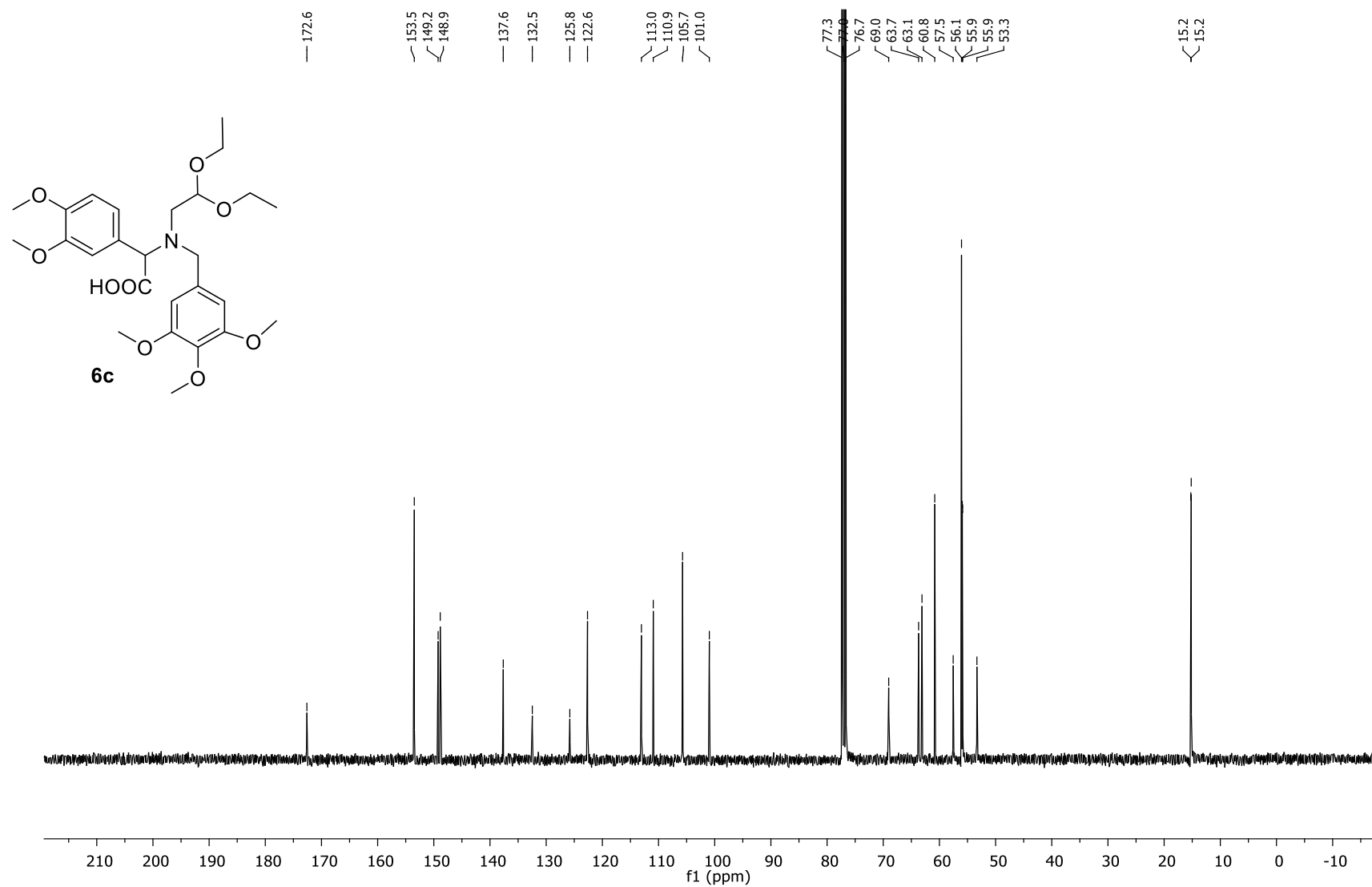
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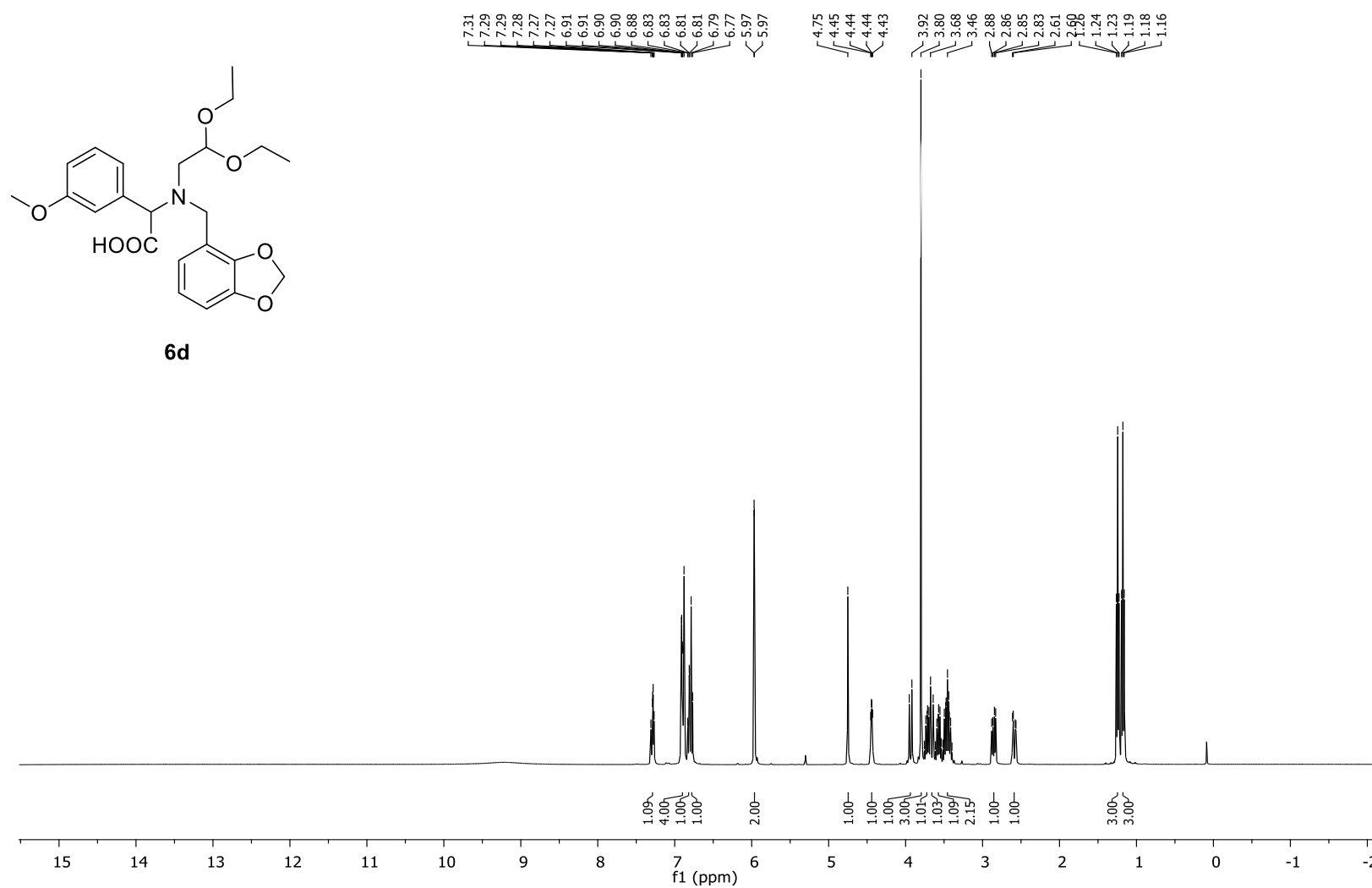
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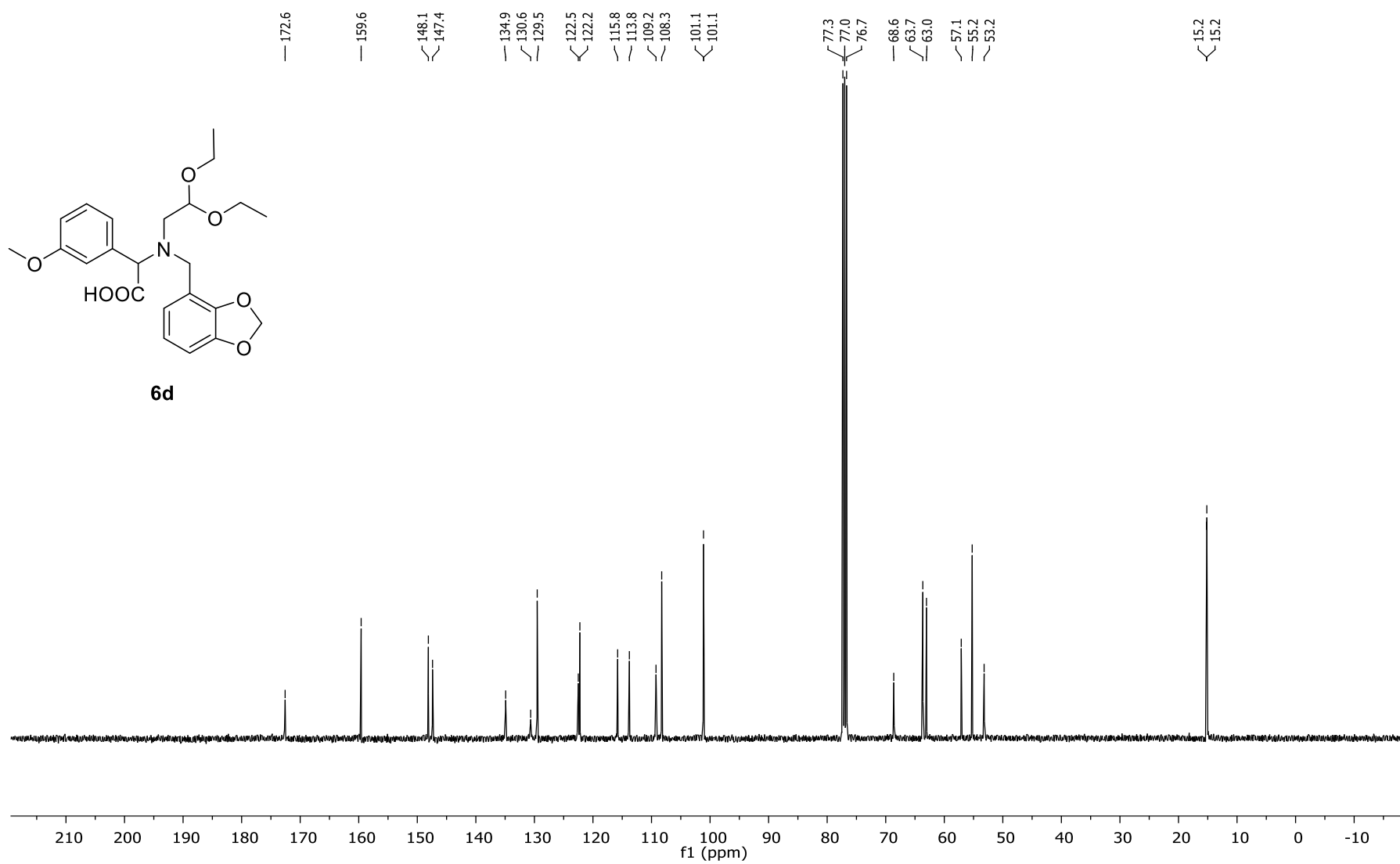
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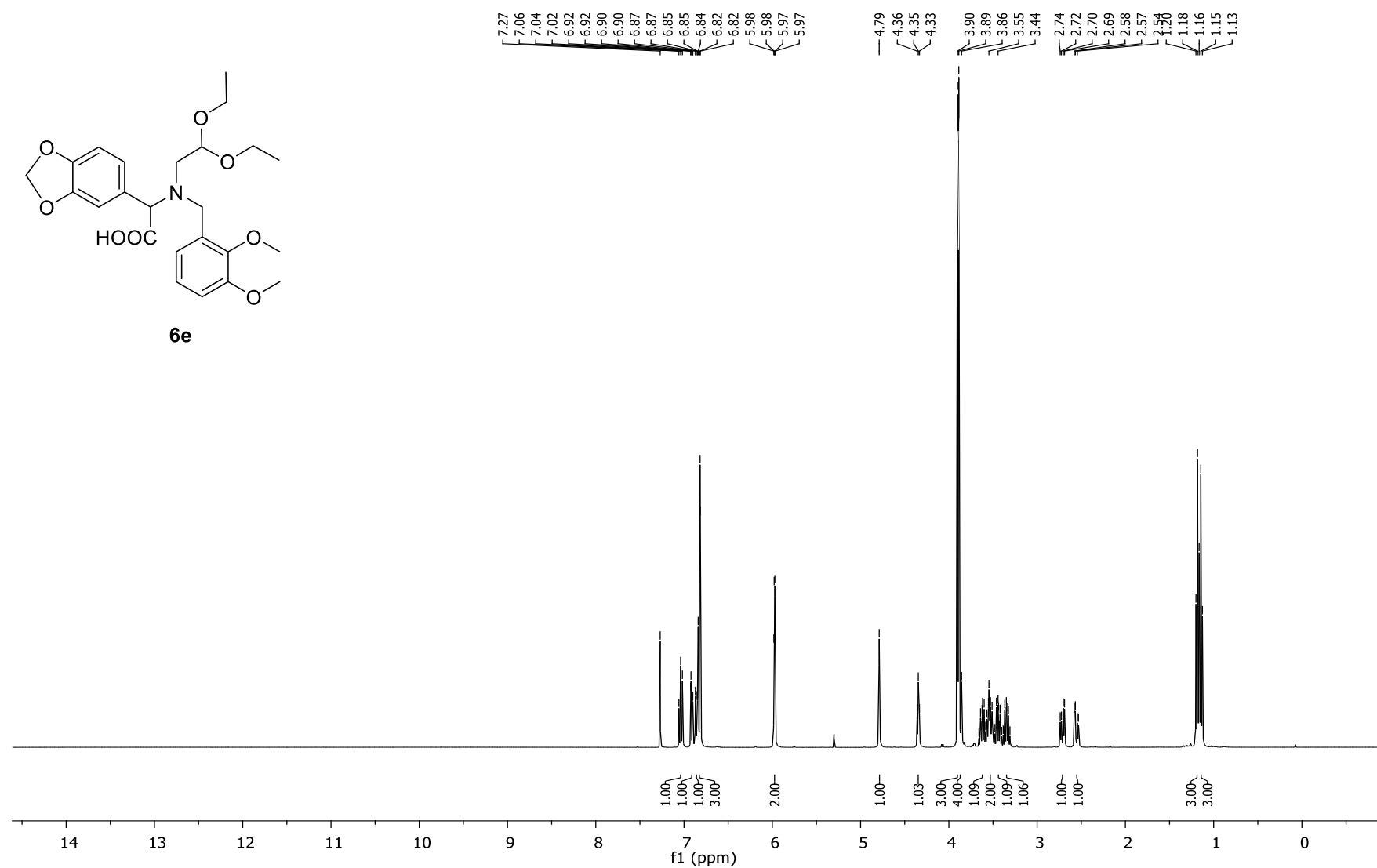
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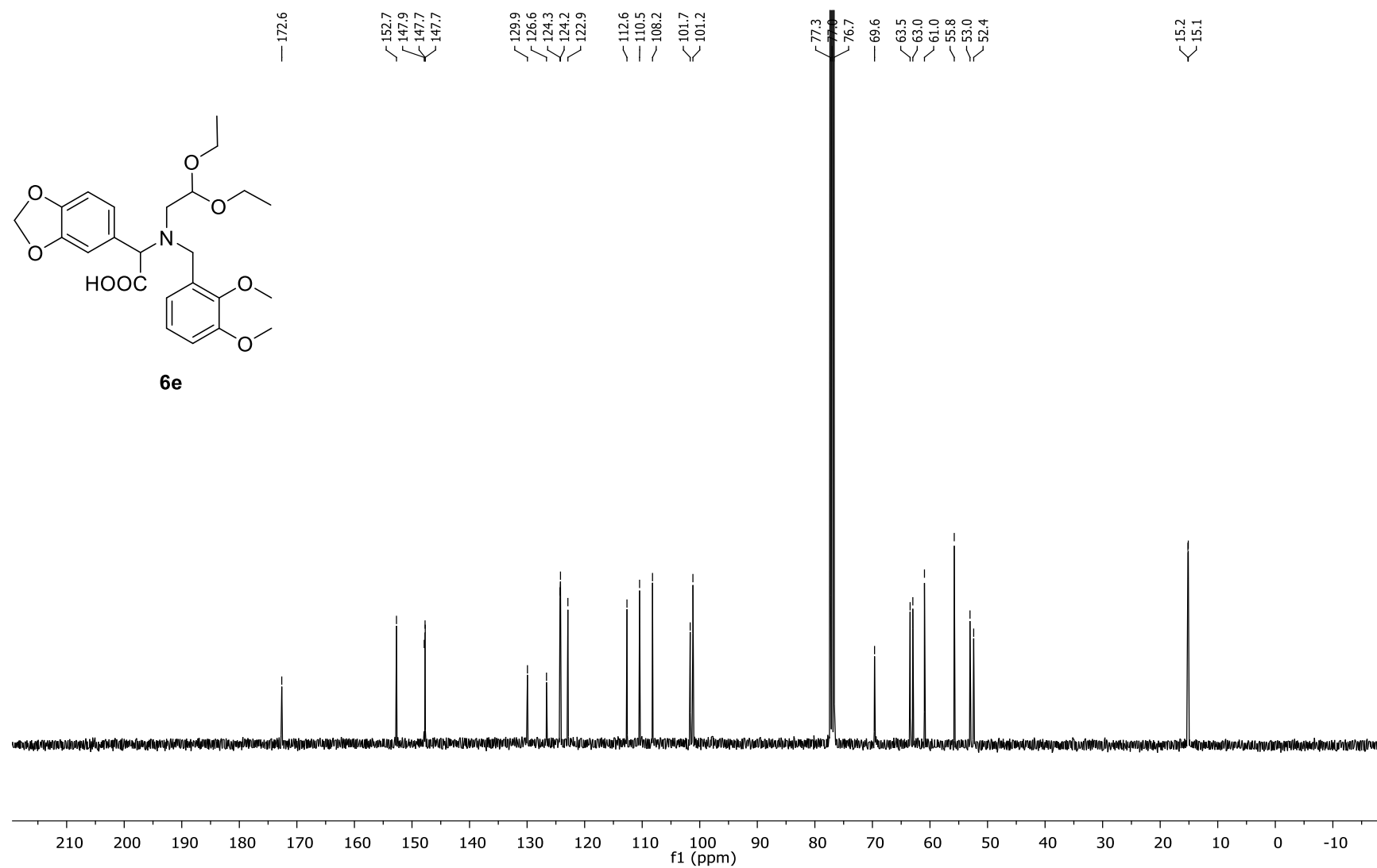
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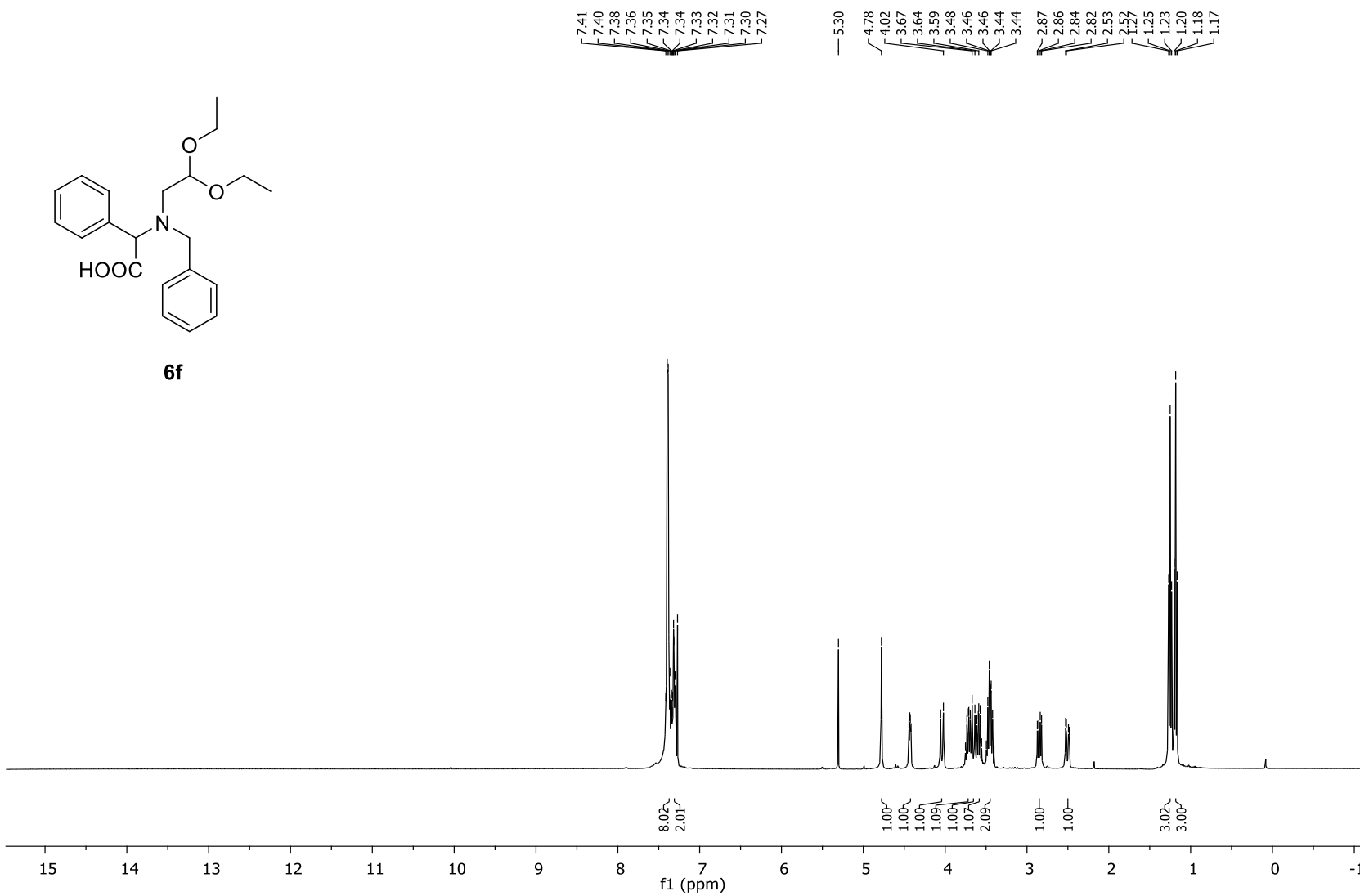
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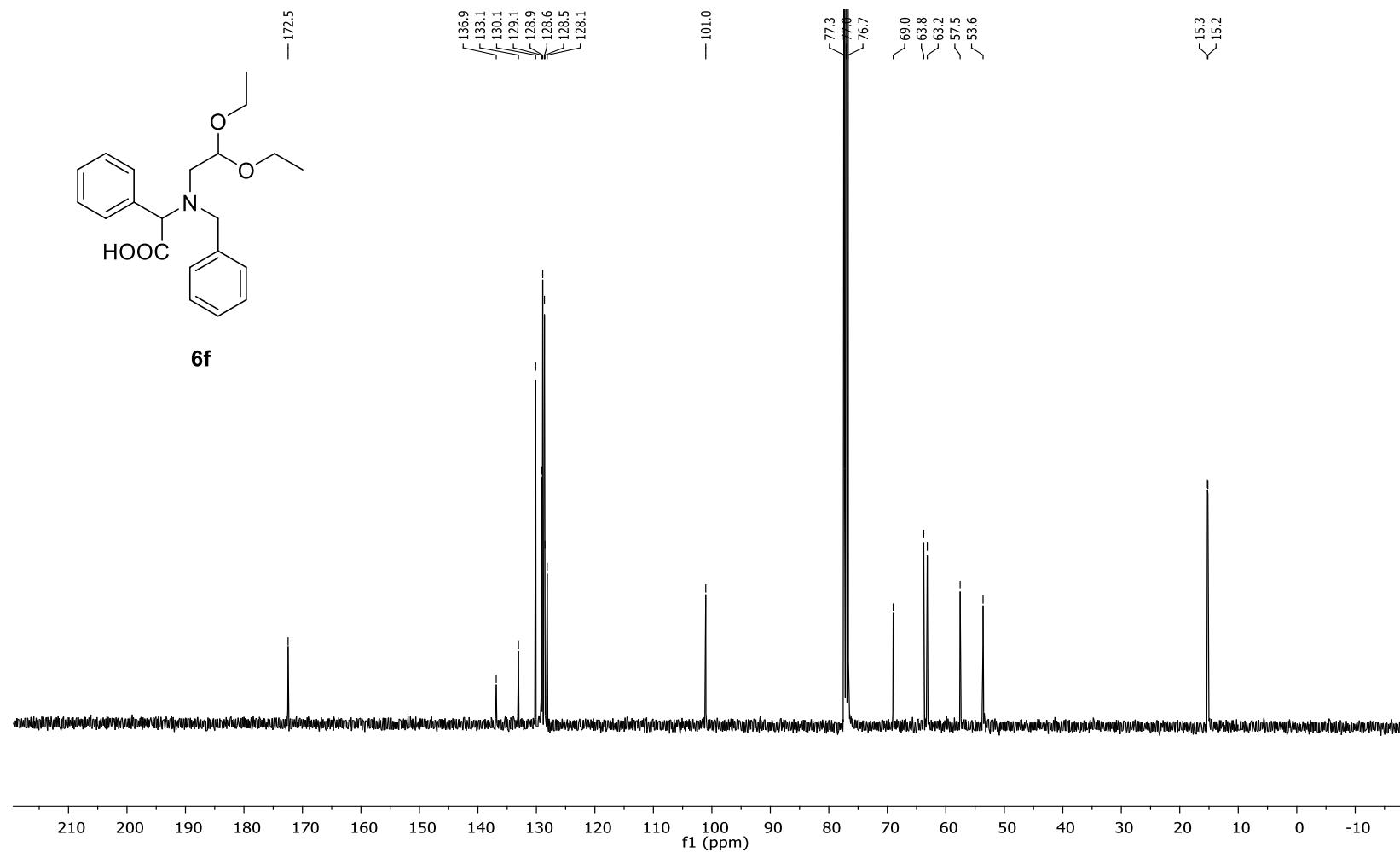
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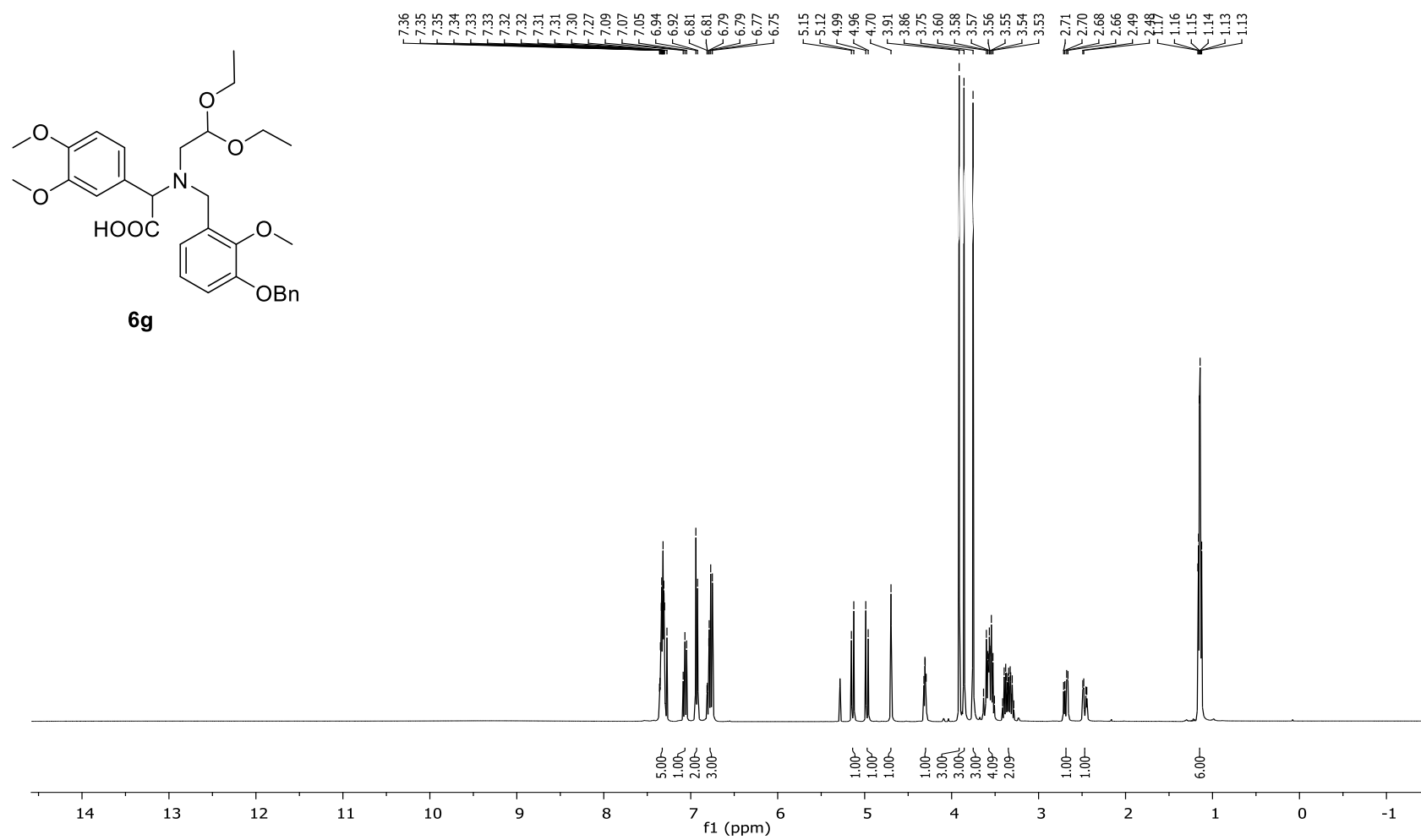
¹H NMR of *N*-benzyl-*N*-(2,2-diethoxyethyl)phenylglycine (**6f**)



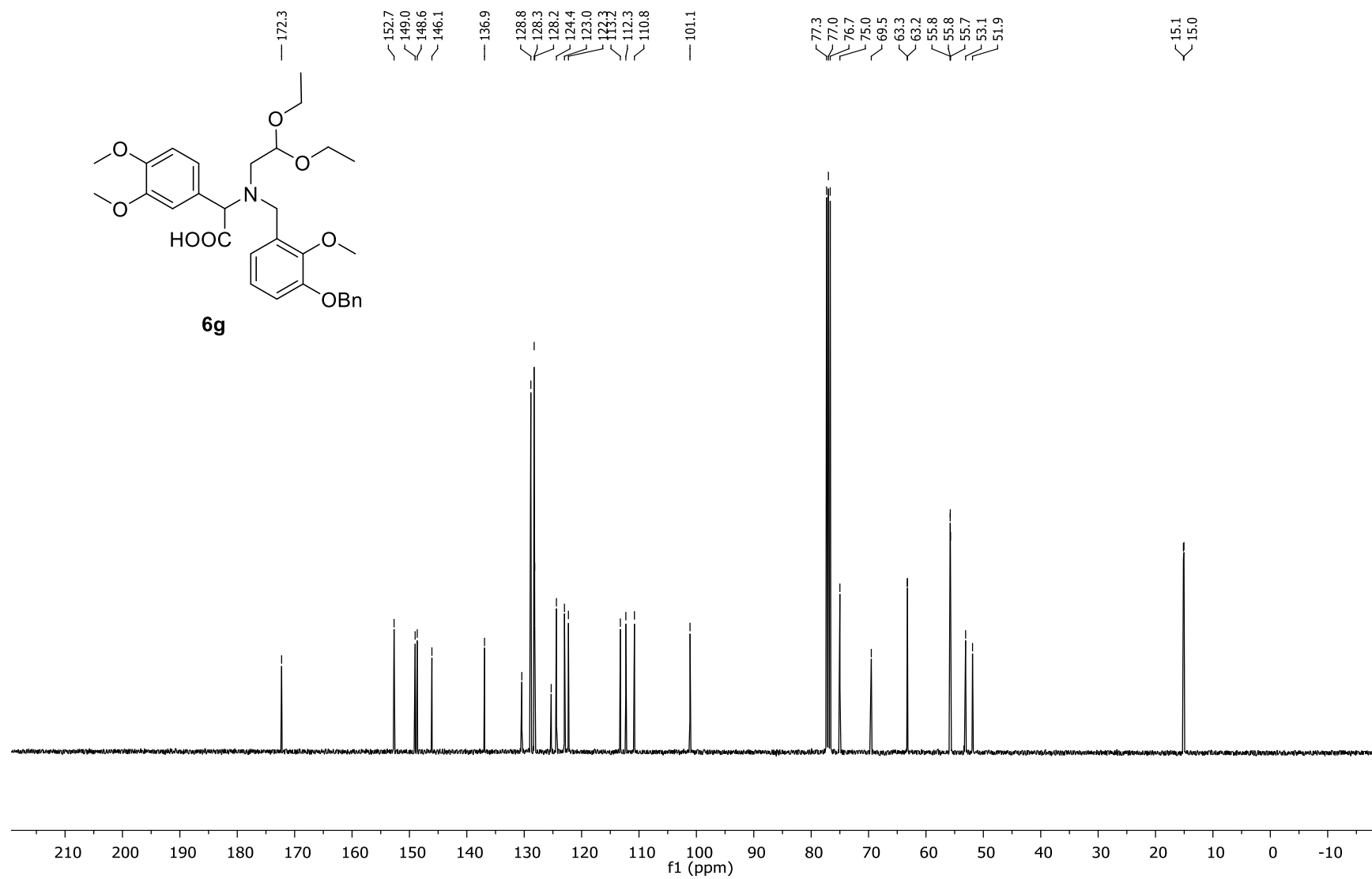
^{13}C NMR of *N*-benzyl-*N*-(2,2-diethoxyethyl)phenylglycine (**6f**)



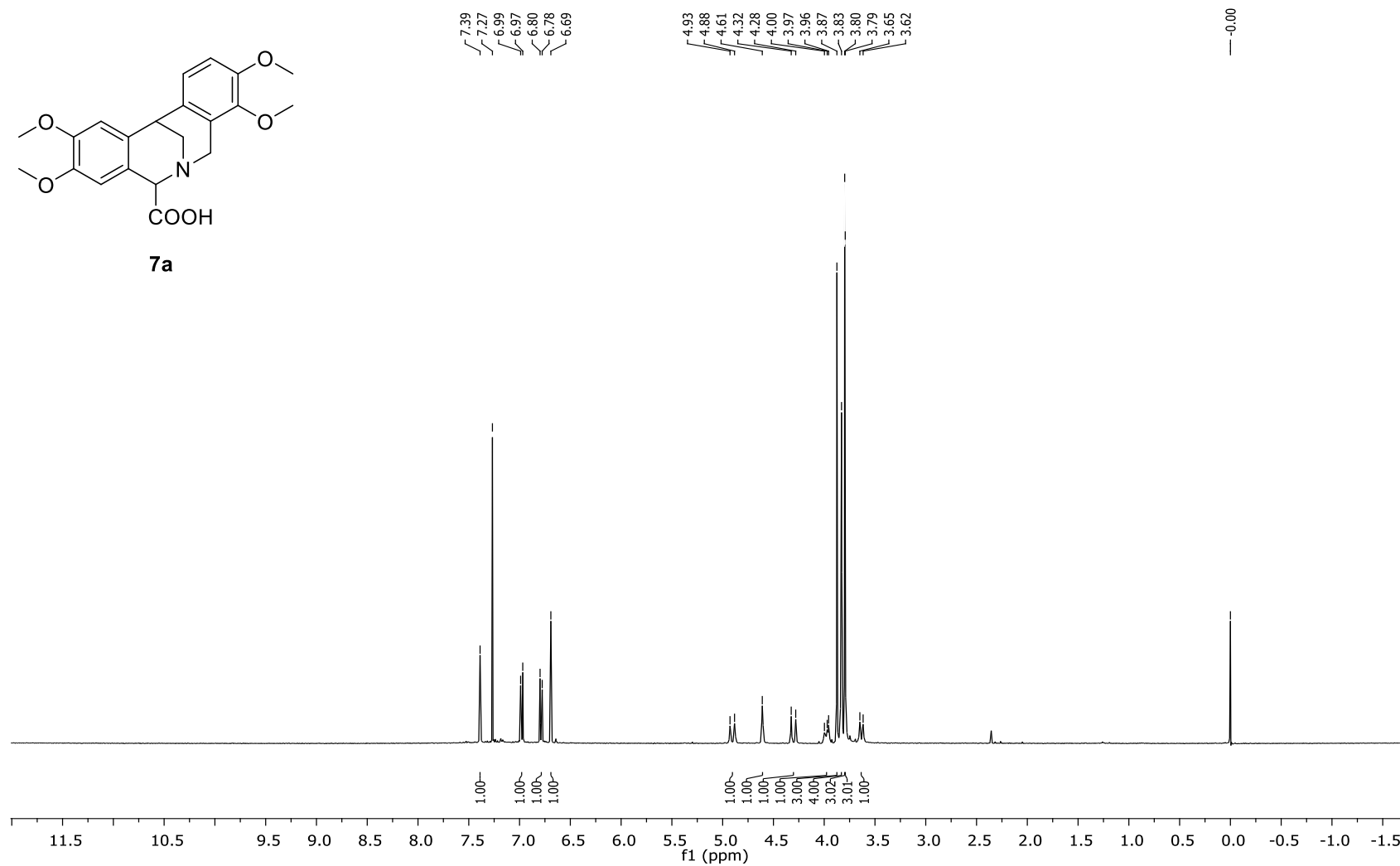
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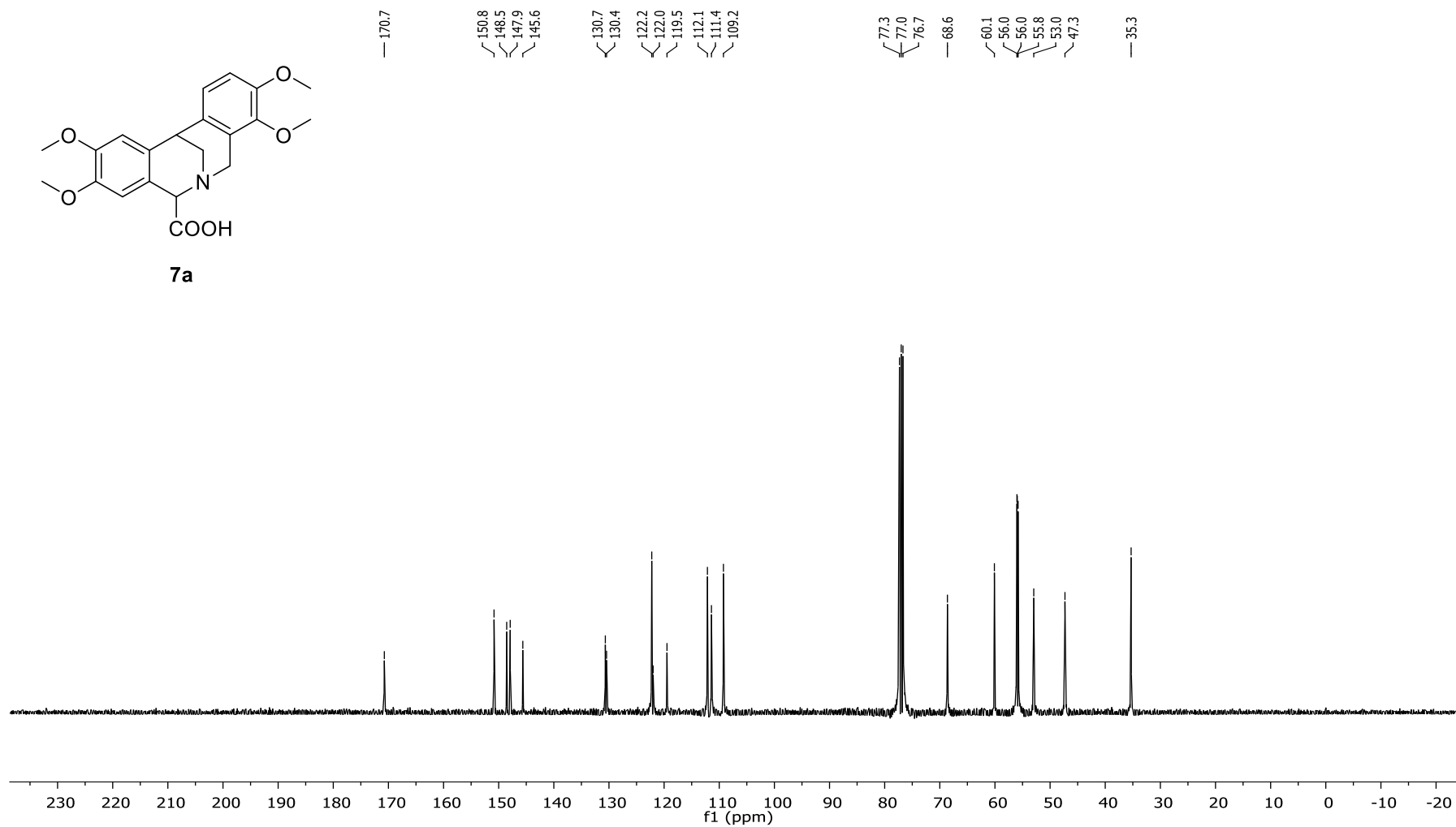
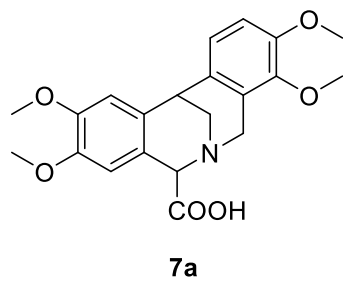
^{13}C NMR of *N*-(3-benzyloxy-2-methoxybenzyl)-*N*-(2,2-diethoxyethyl)-3,4-dimethoxyphenylglycine (**6g**)



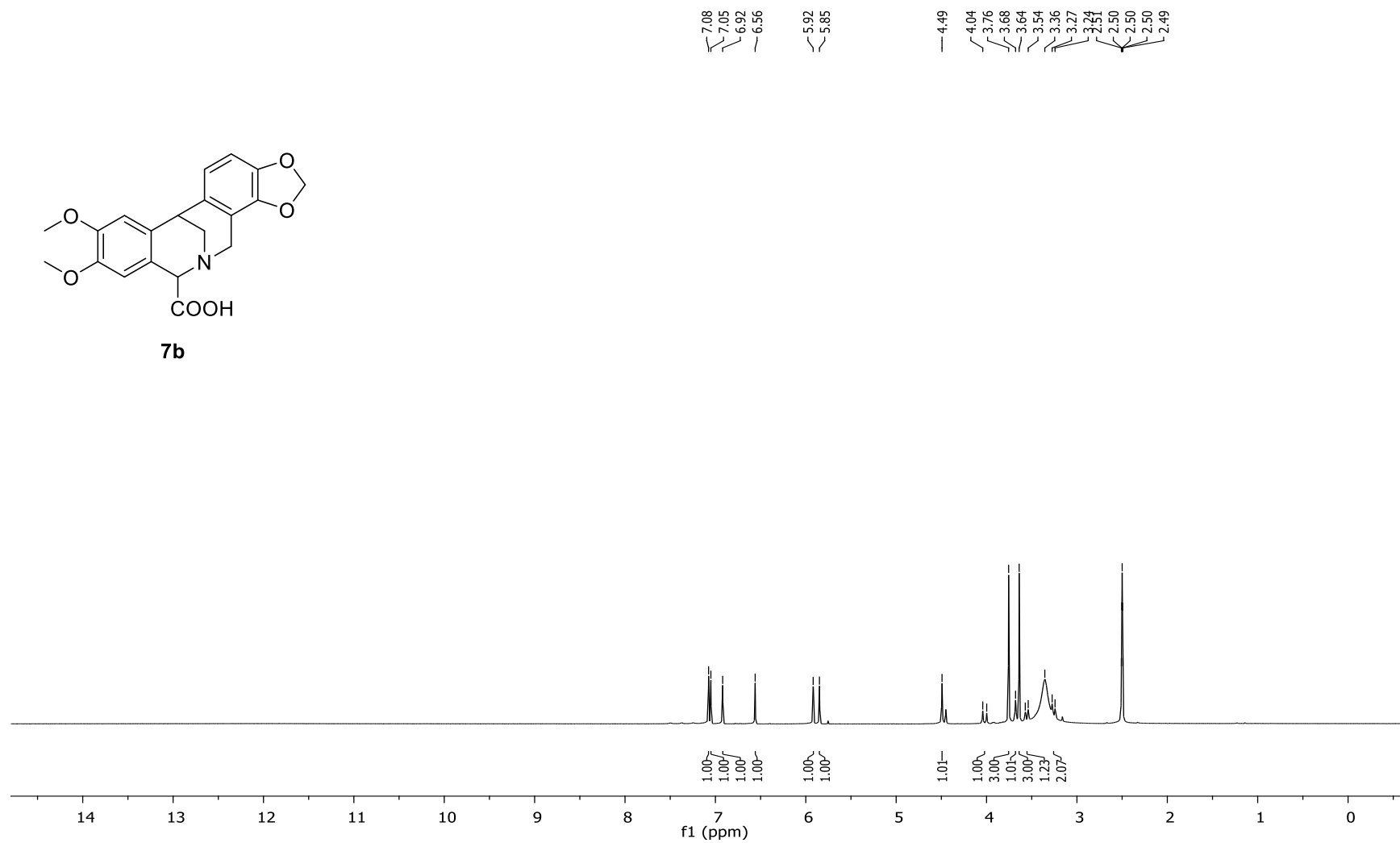
¹H NMR of 2,3,8,9-tetramethoxy-7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine-5-carboxylic acid (**7a**)



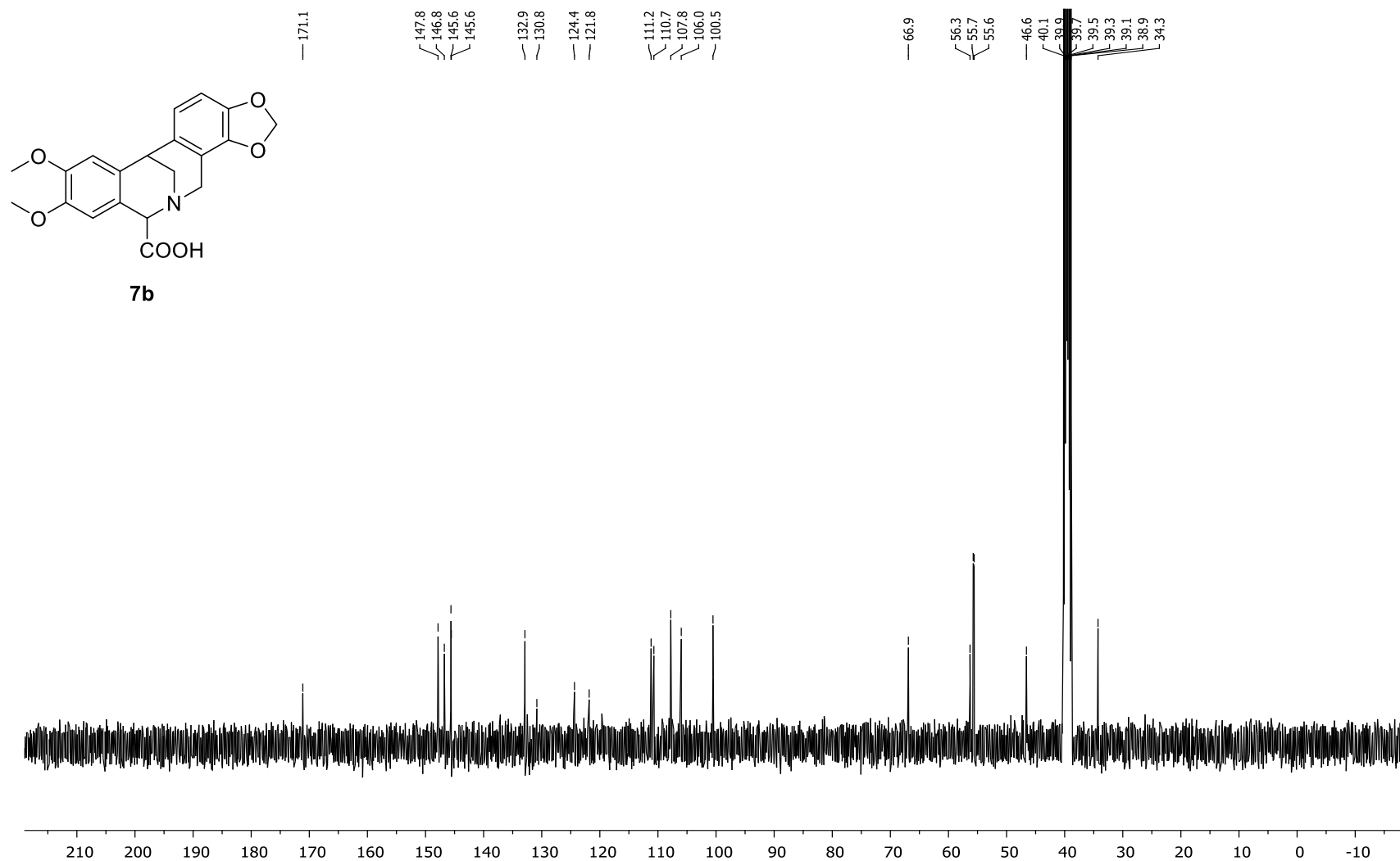
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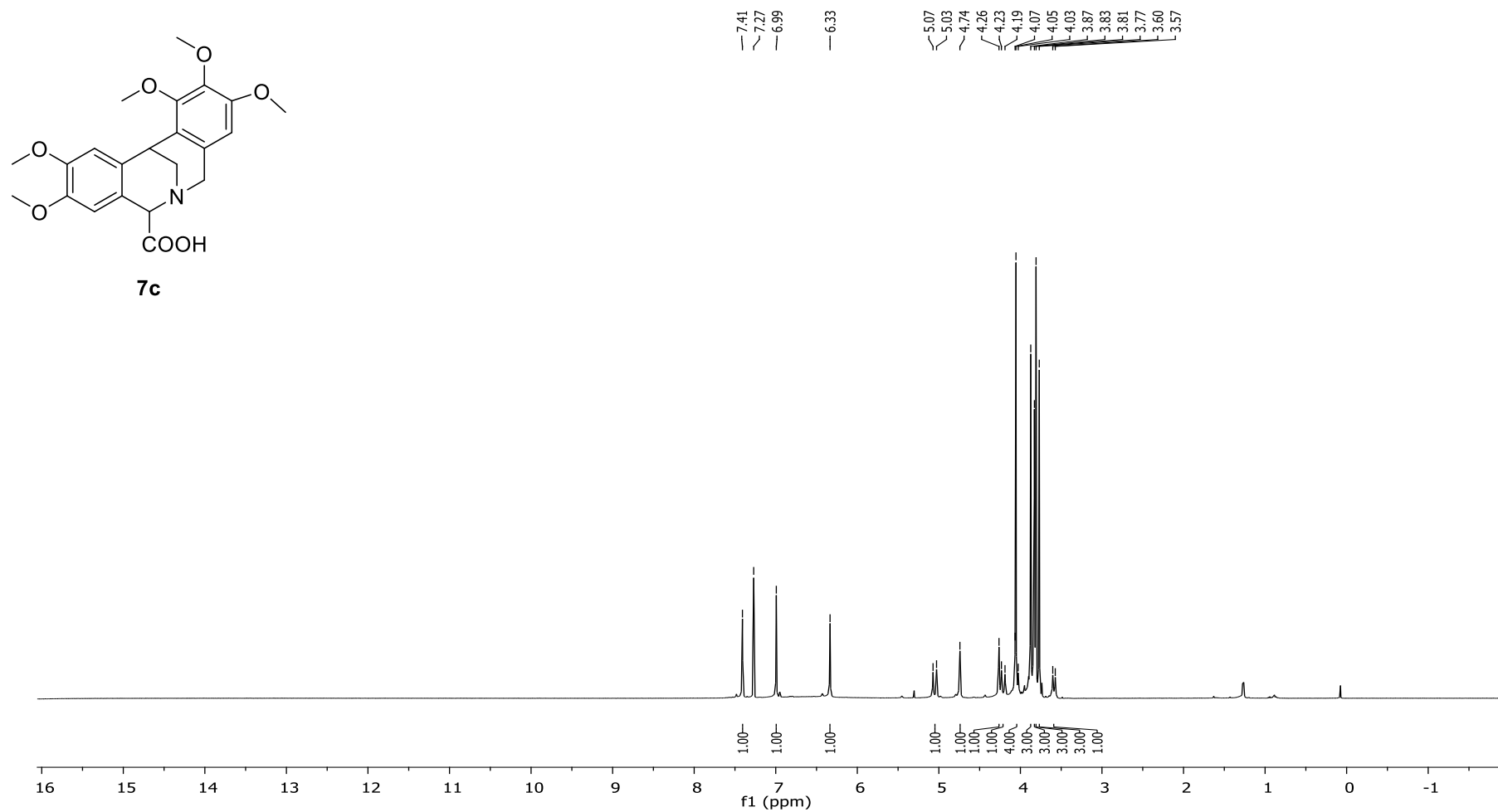
¹H NMR of 2,3-dimethoxy-8,9-methylenedioxy-7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine-5-carboxylic acid (**7b**)



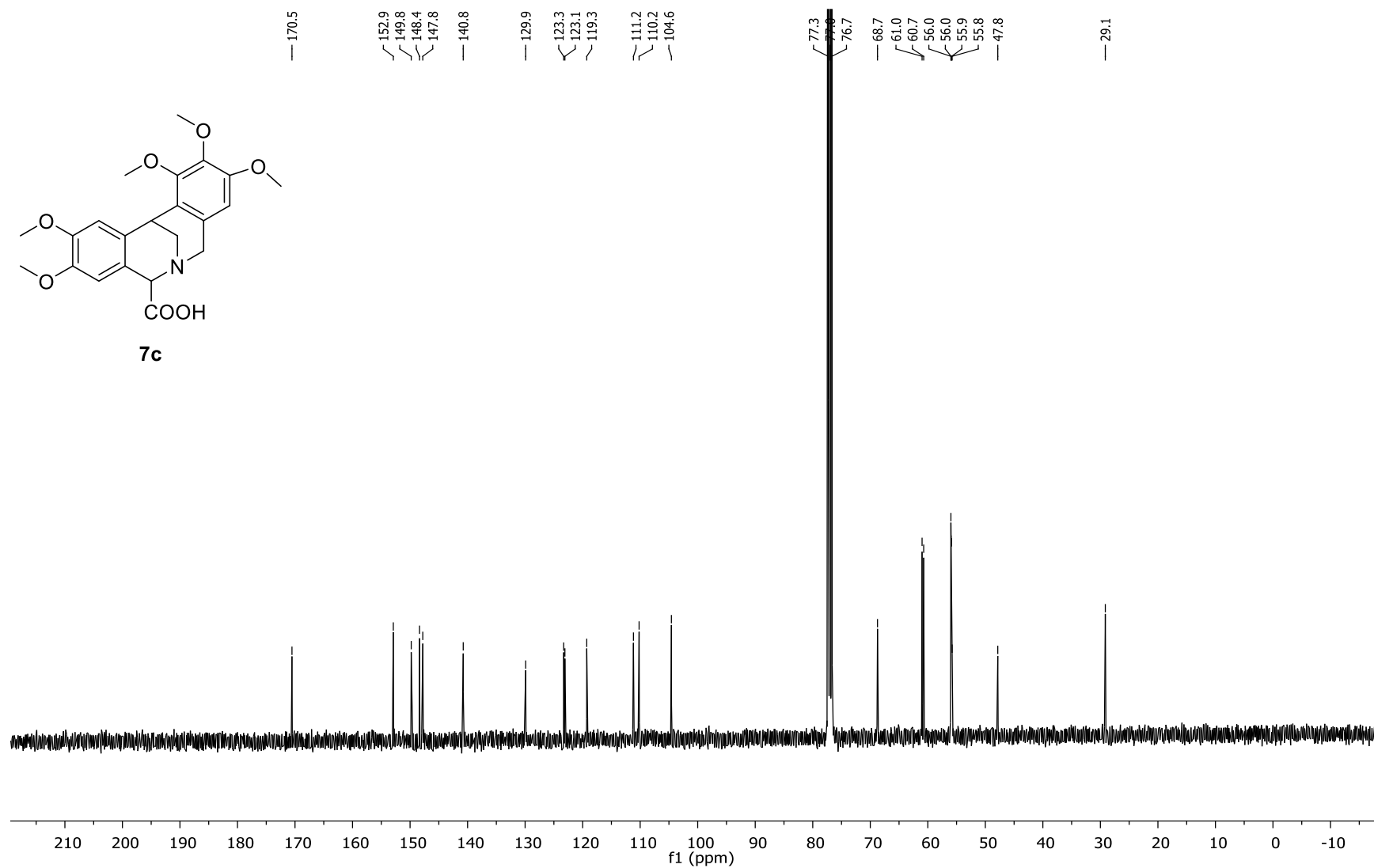
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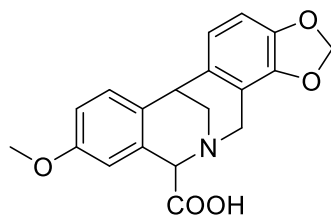
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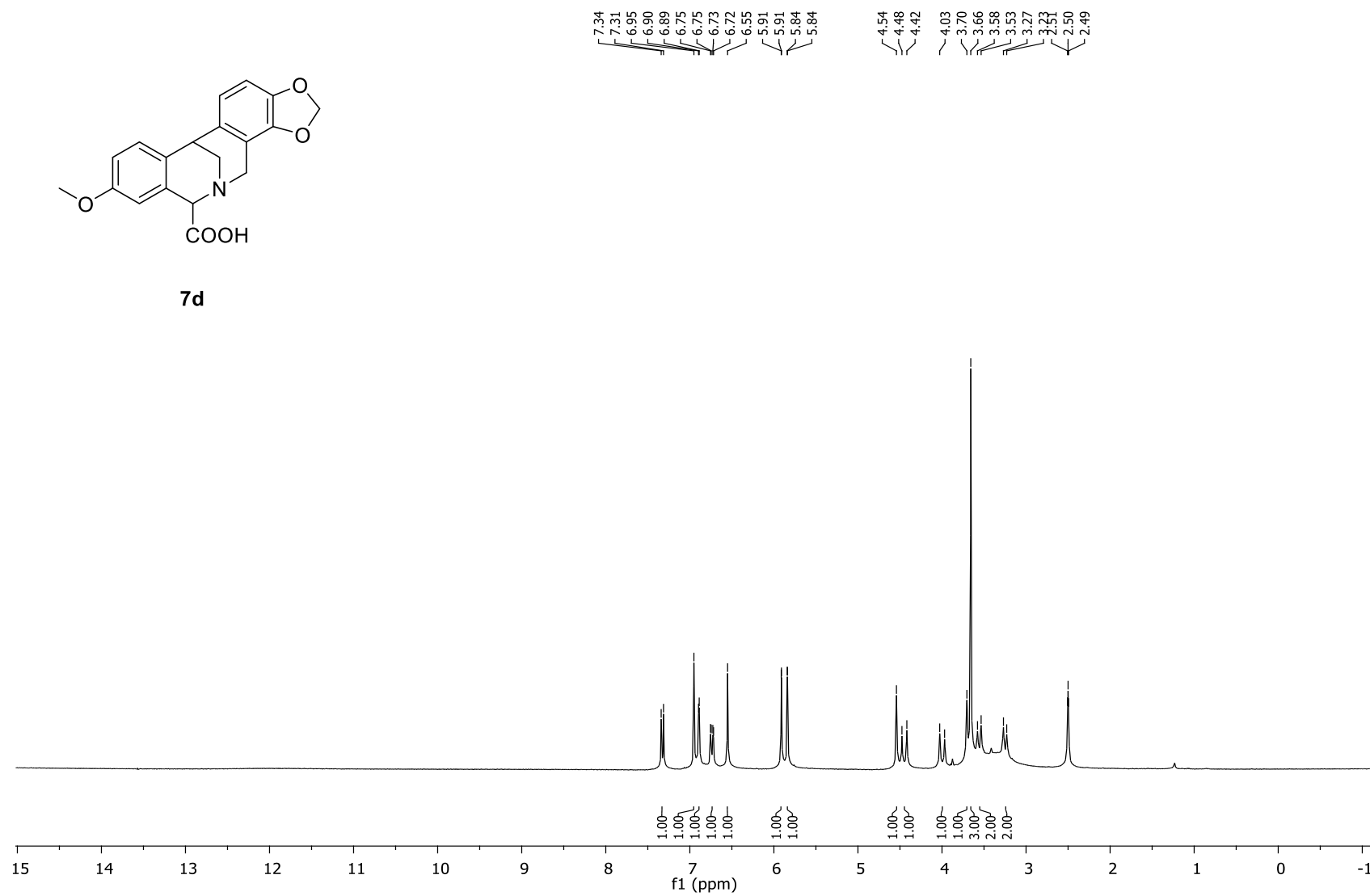
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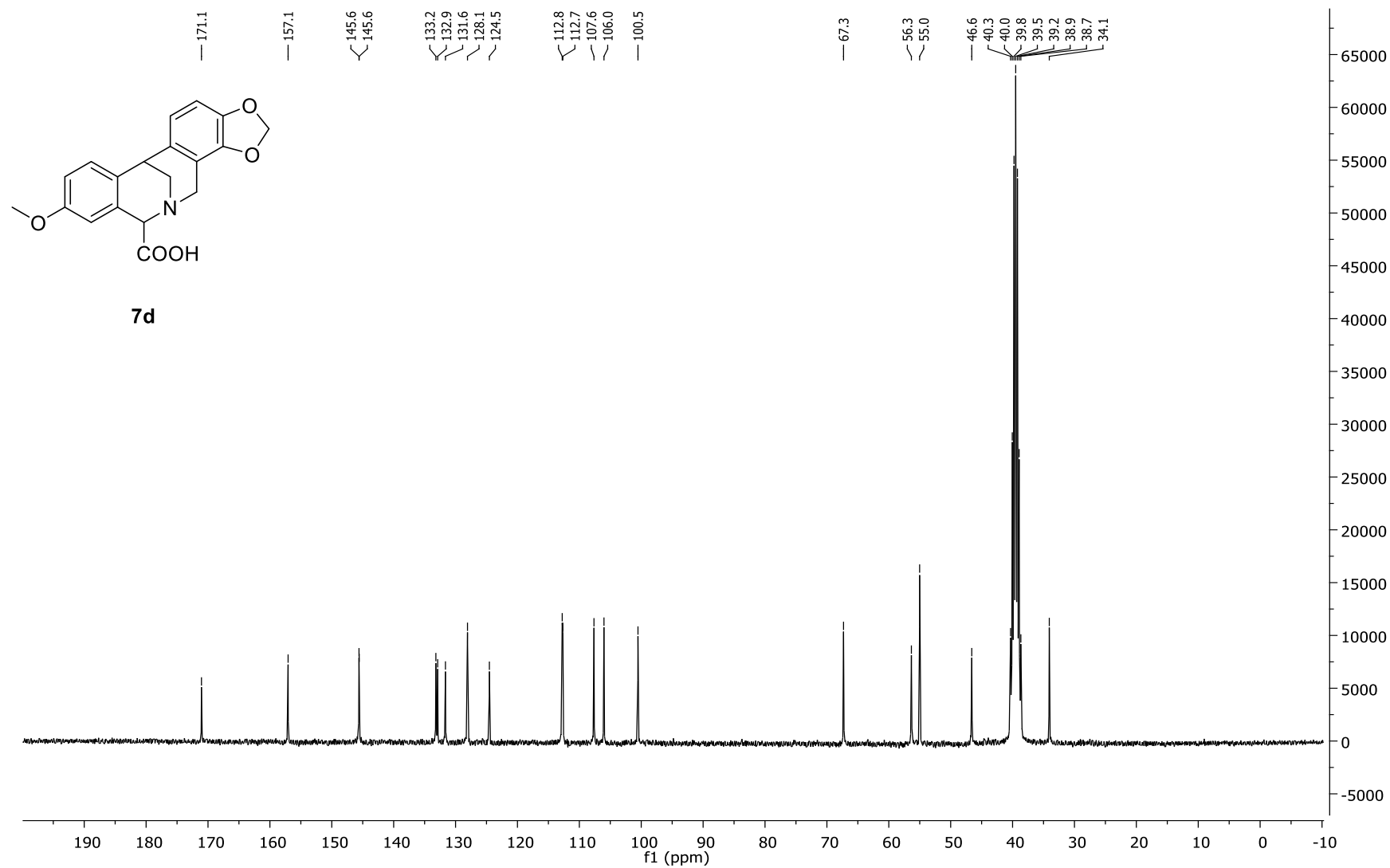
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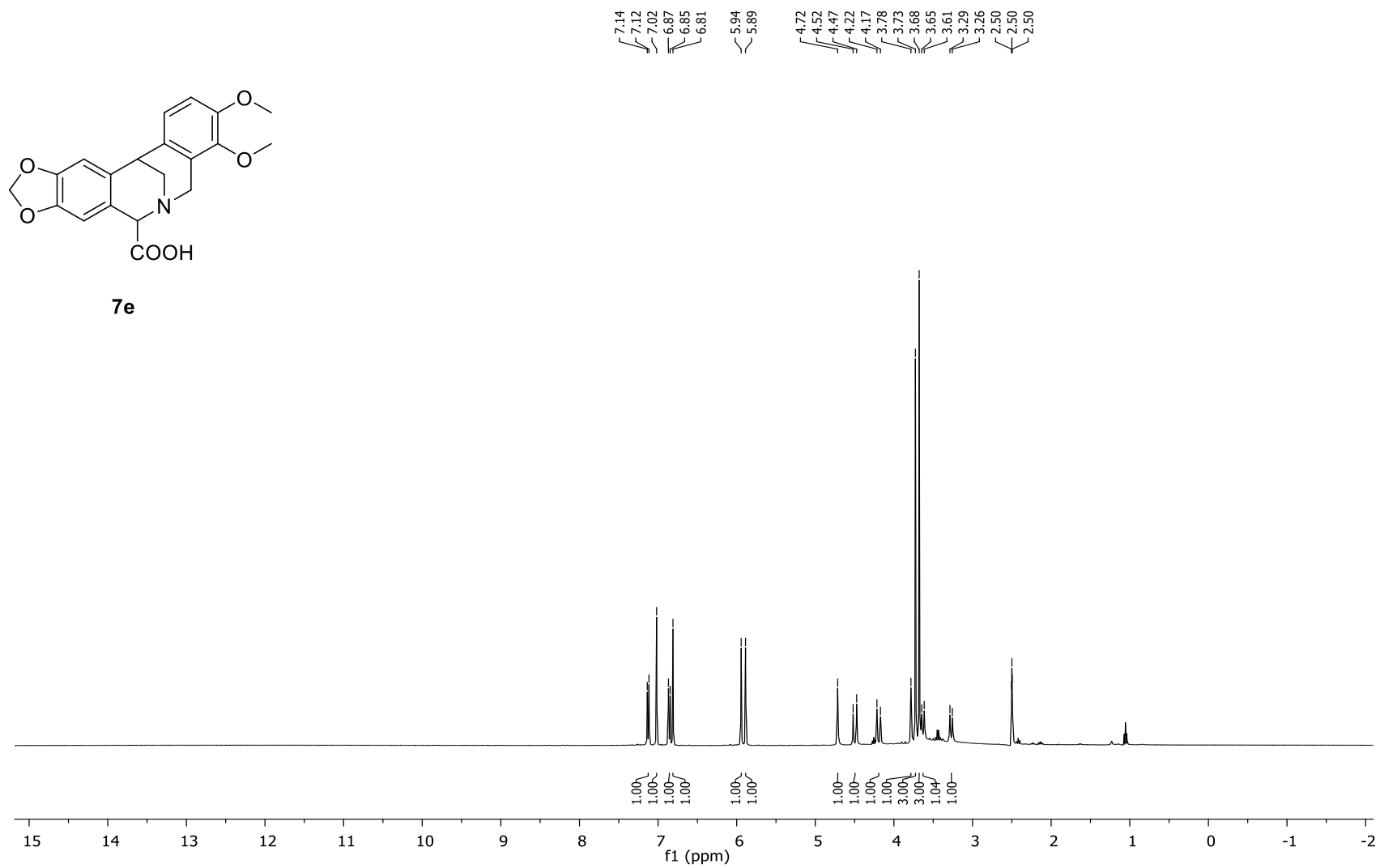
7d



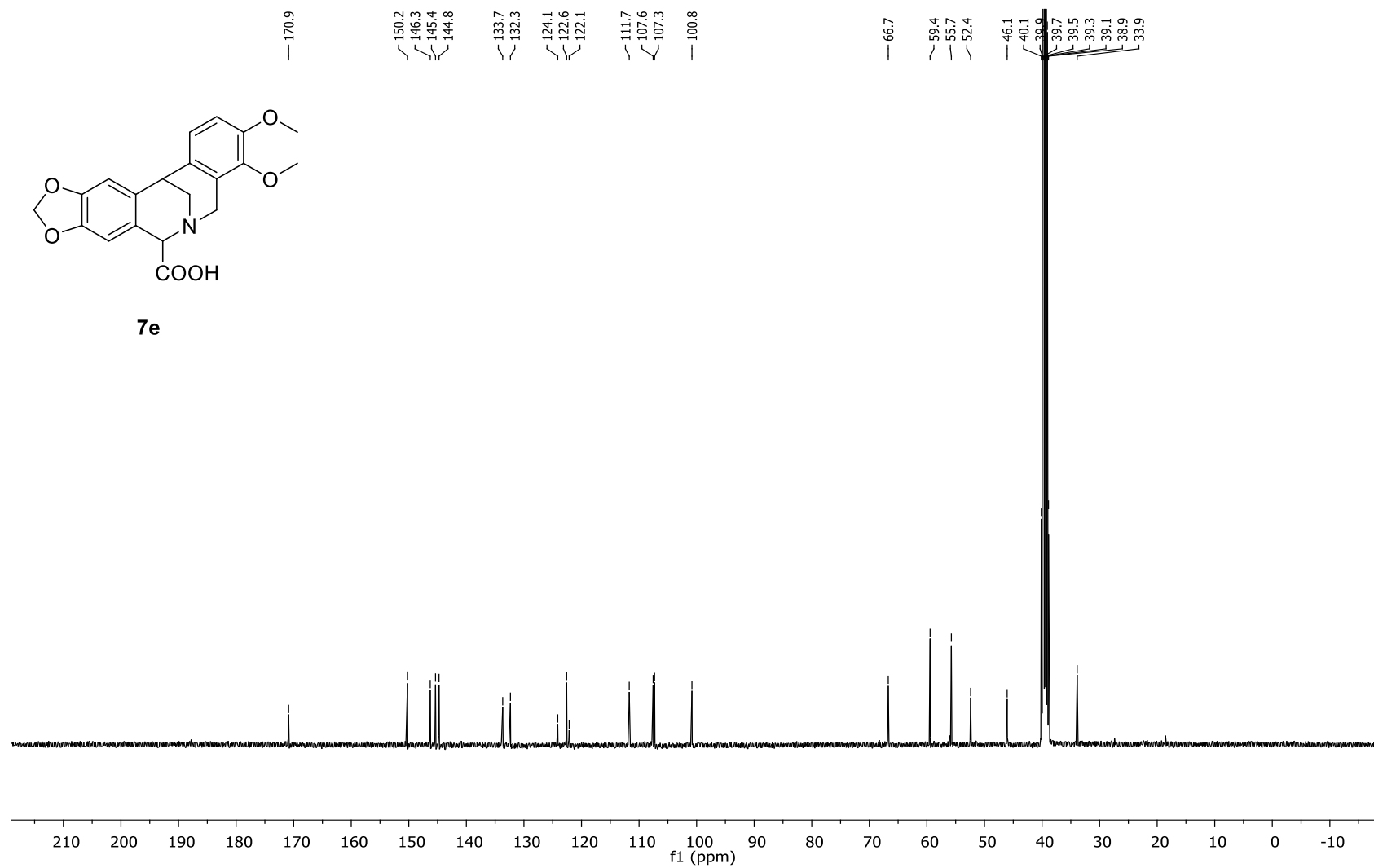
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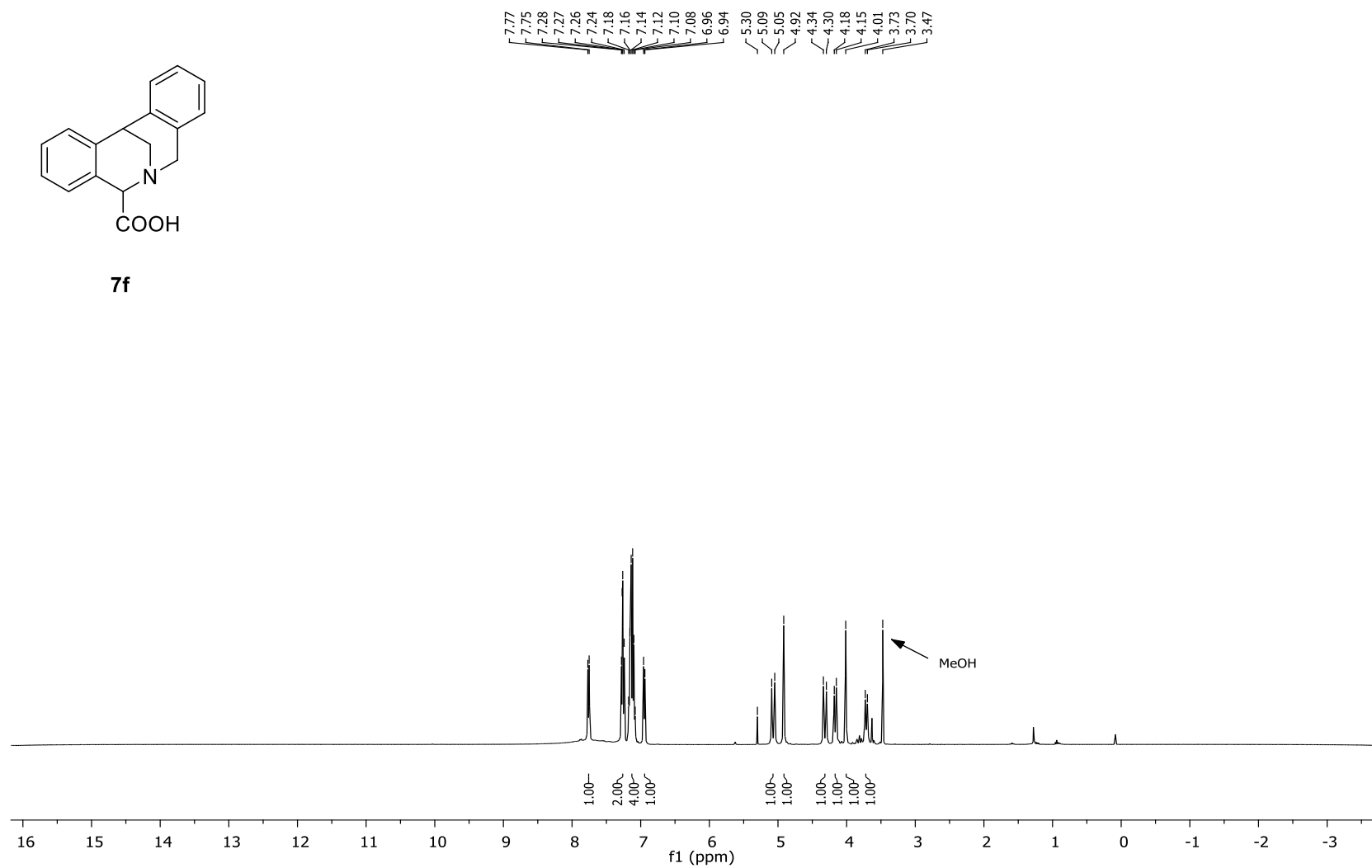
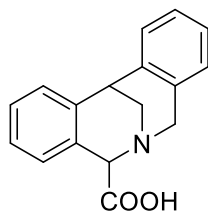
¹H NMR of 2,3-methylenedioxy-8,9-dimethoxy-7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine-5-carboxylic acid (**7e**)



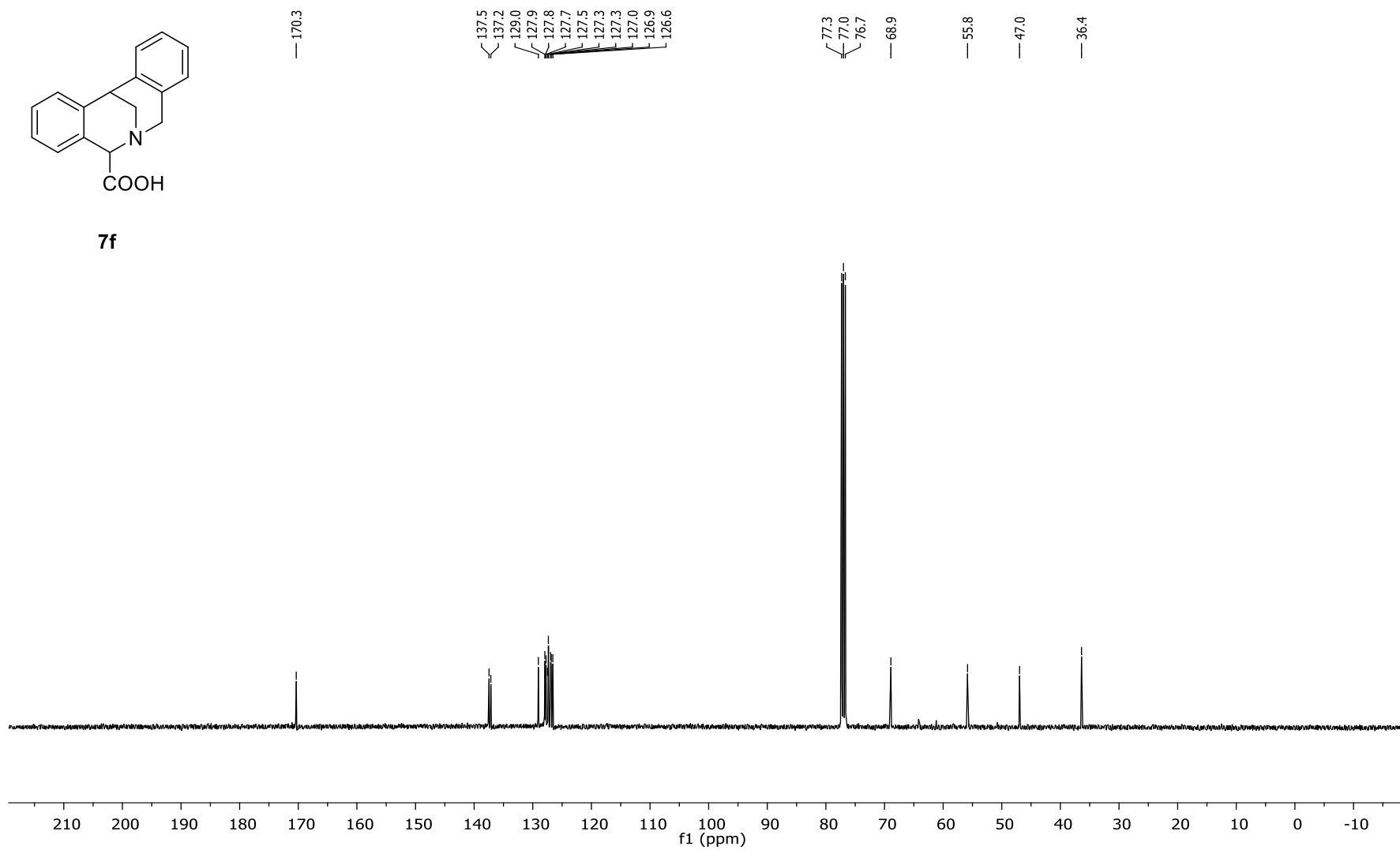
^{13}C NMR of 2,3-methylenedioxy-8,9-dimethoxy-7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine-5-carboxylic acid (**7e**)



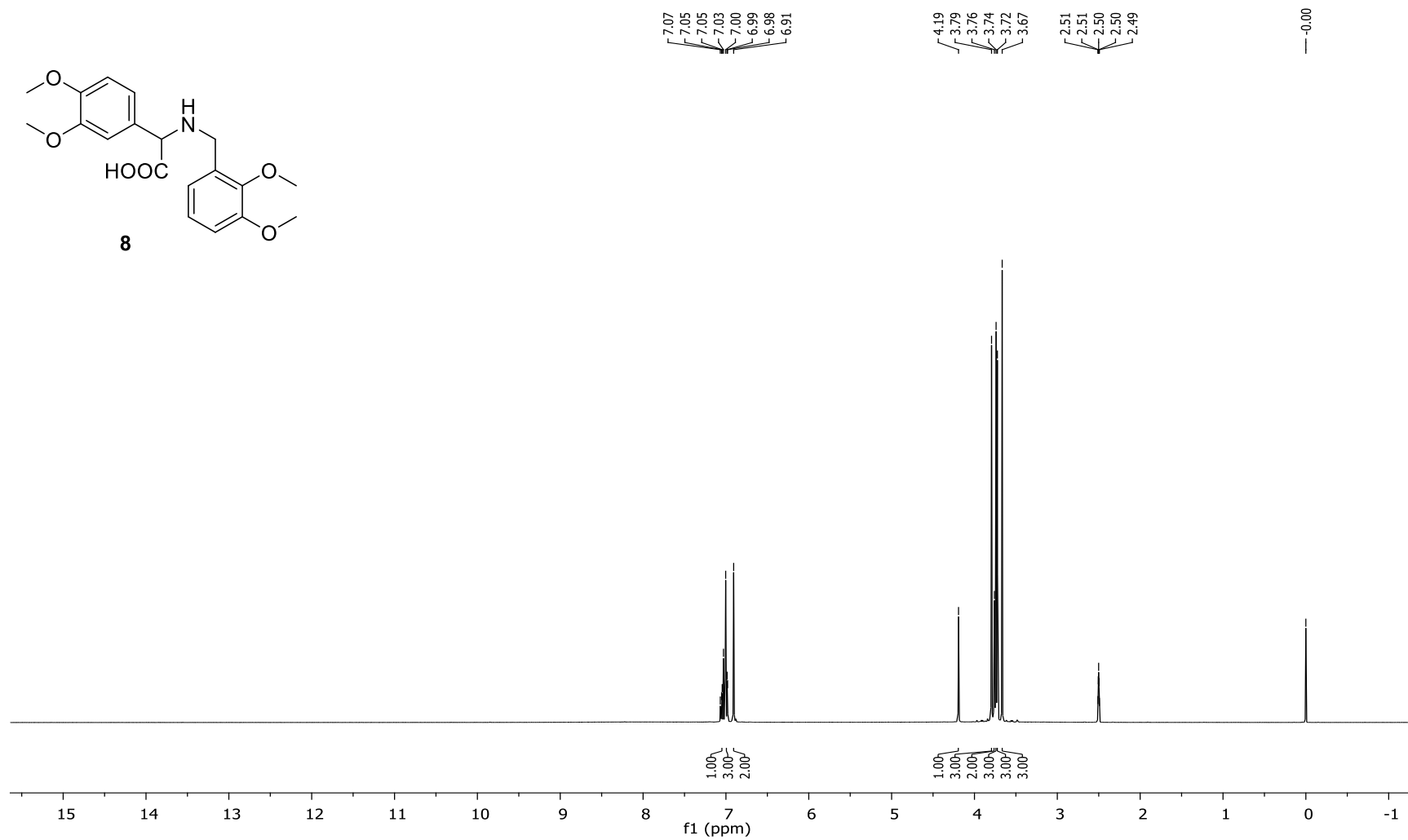
¹H NMR of 7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine-5-carboxylic acid (**7f**)



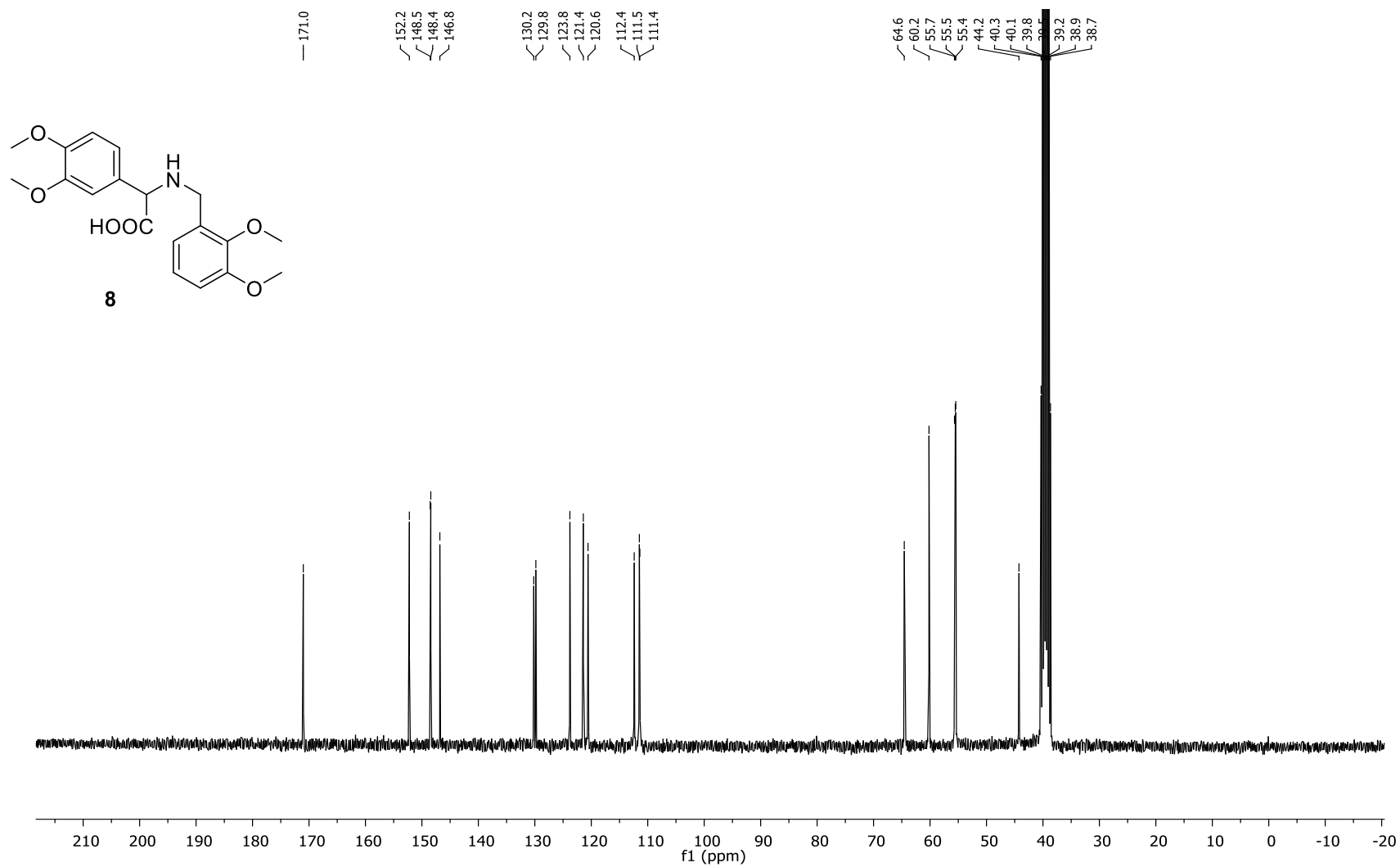
^{13}C NMR of 7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine-5-carboxylic acid (**7f**)



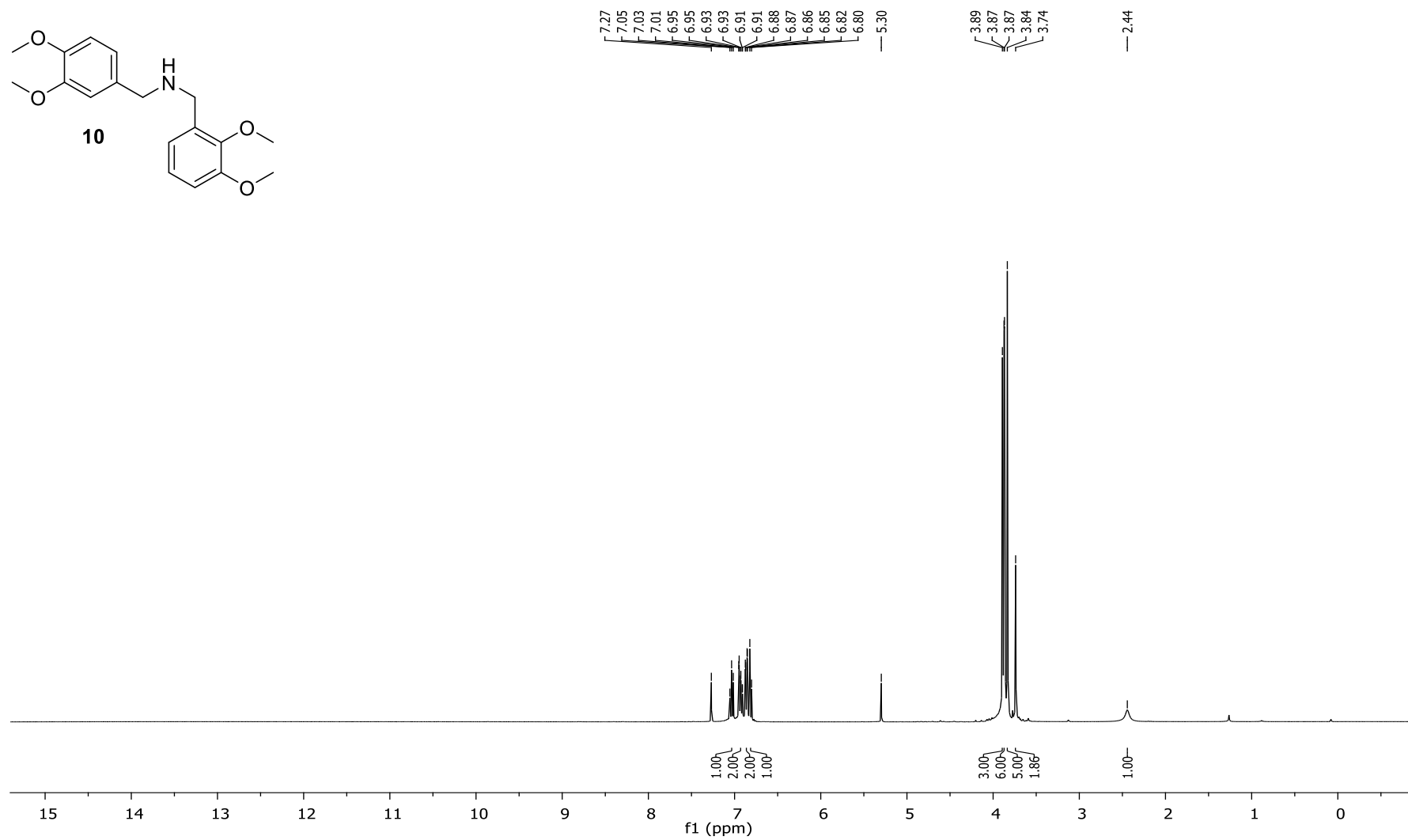
¹H NMR of *N*-(2,3-dimethoxybenzyl)-3,4-dimethoxyphenylglycine (**8**)



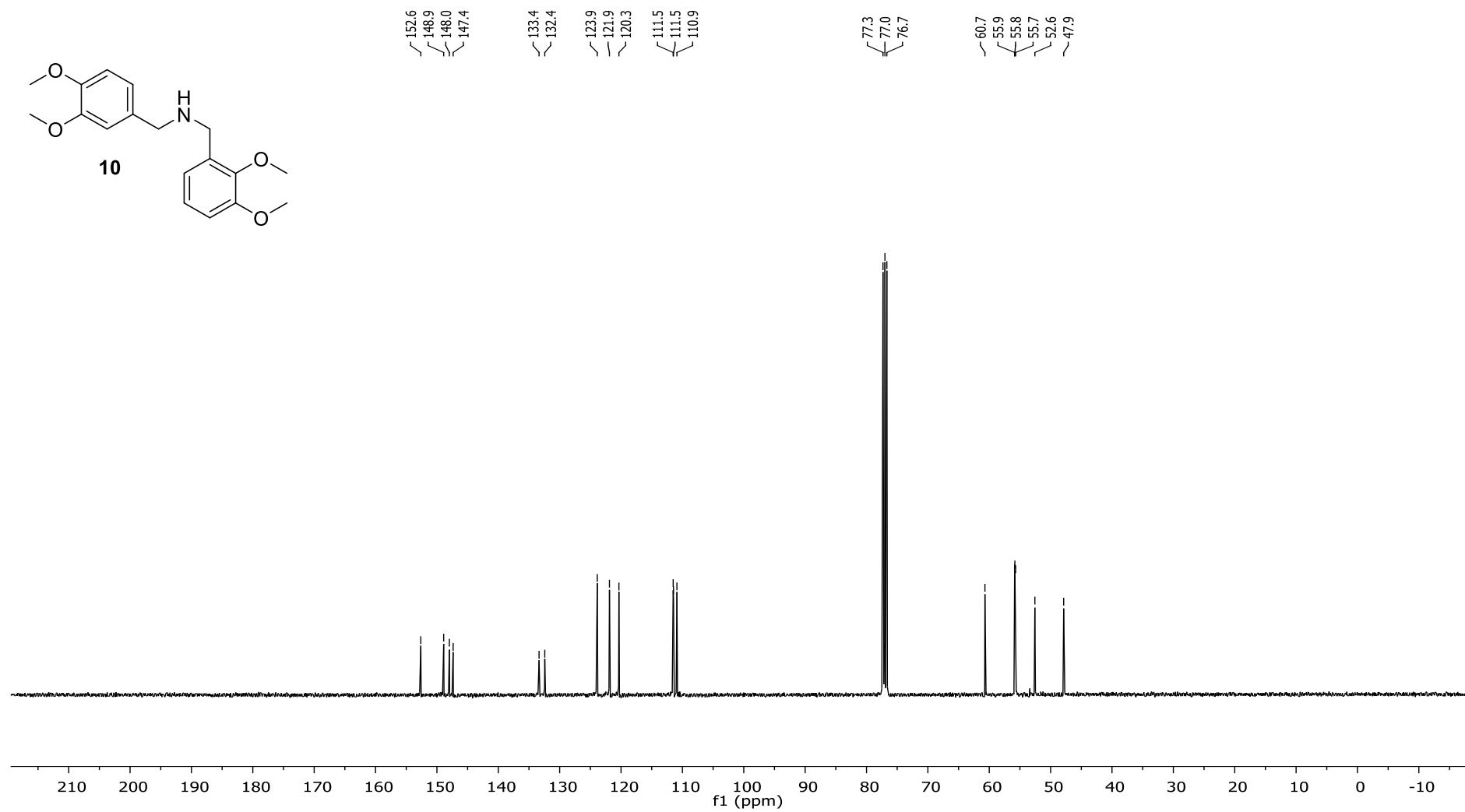
^{13}C NMR of *N*-(2,3-dimethoxybenzyl)-3,4-dimethoxyphenylglycine (**8**)



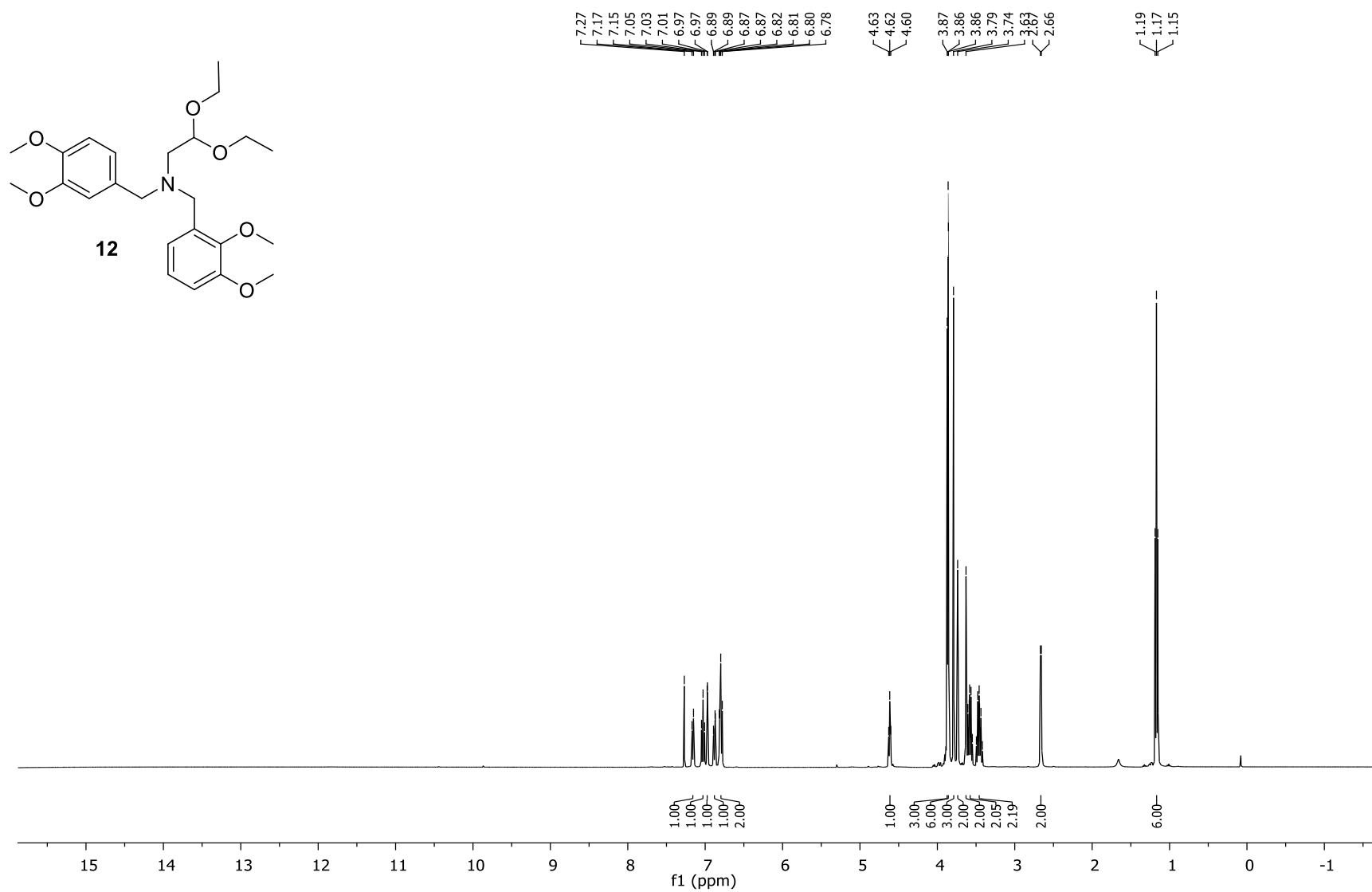
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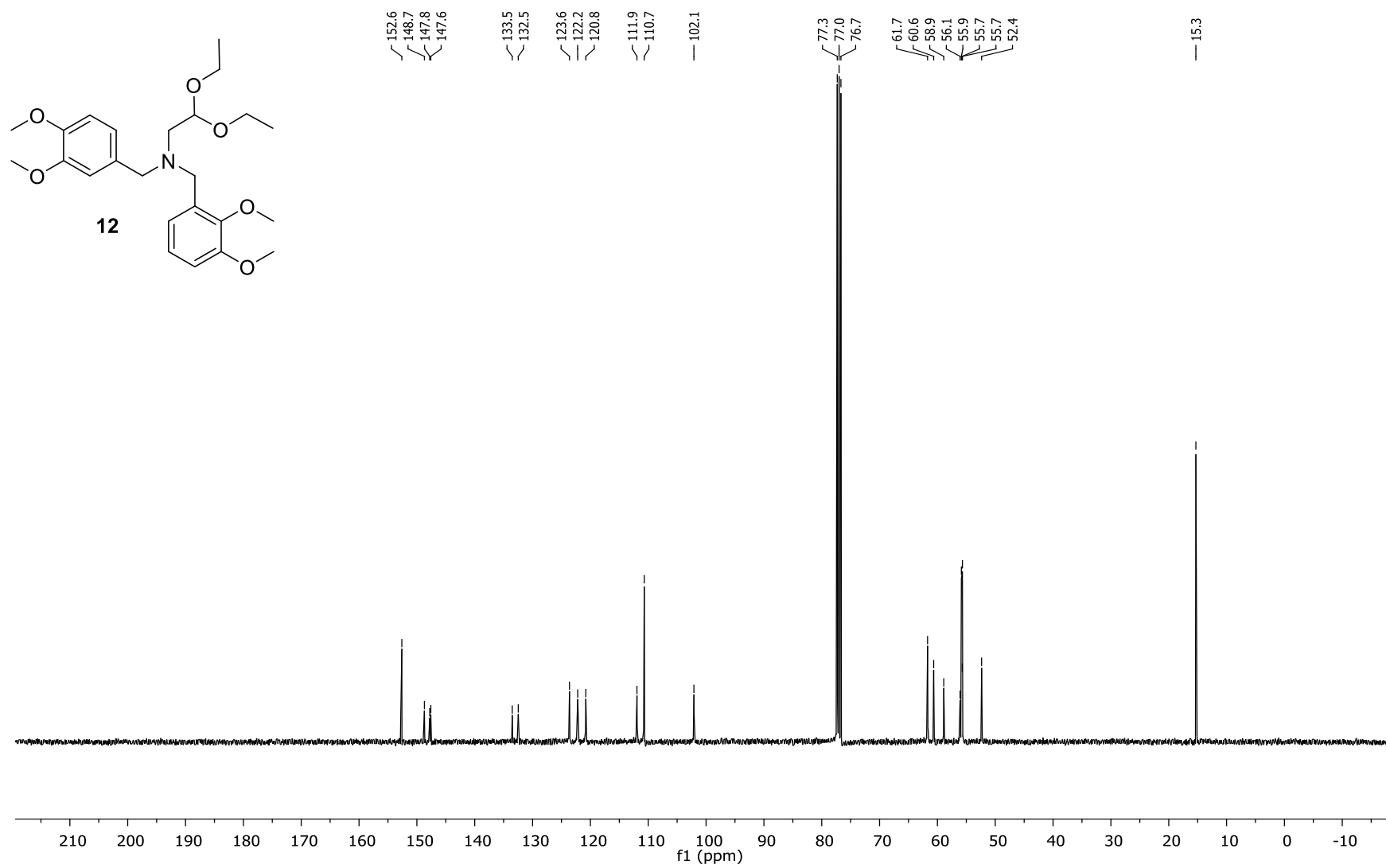
¹³C NMR of *N*-(2,3-dimethoxybenzyl)-3,4-dimethoxybenzylamine (**10**)



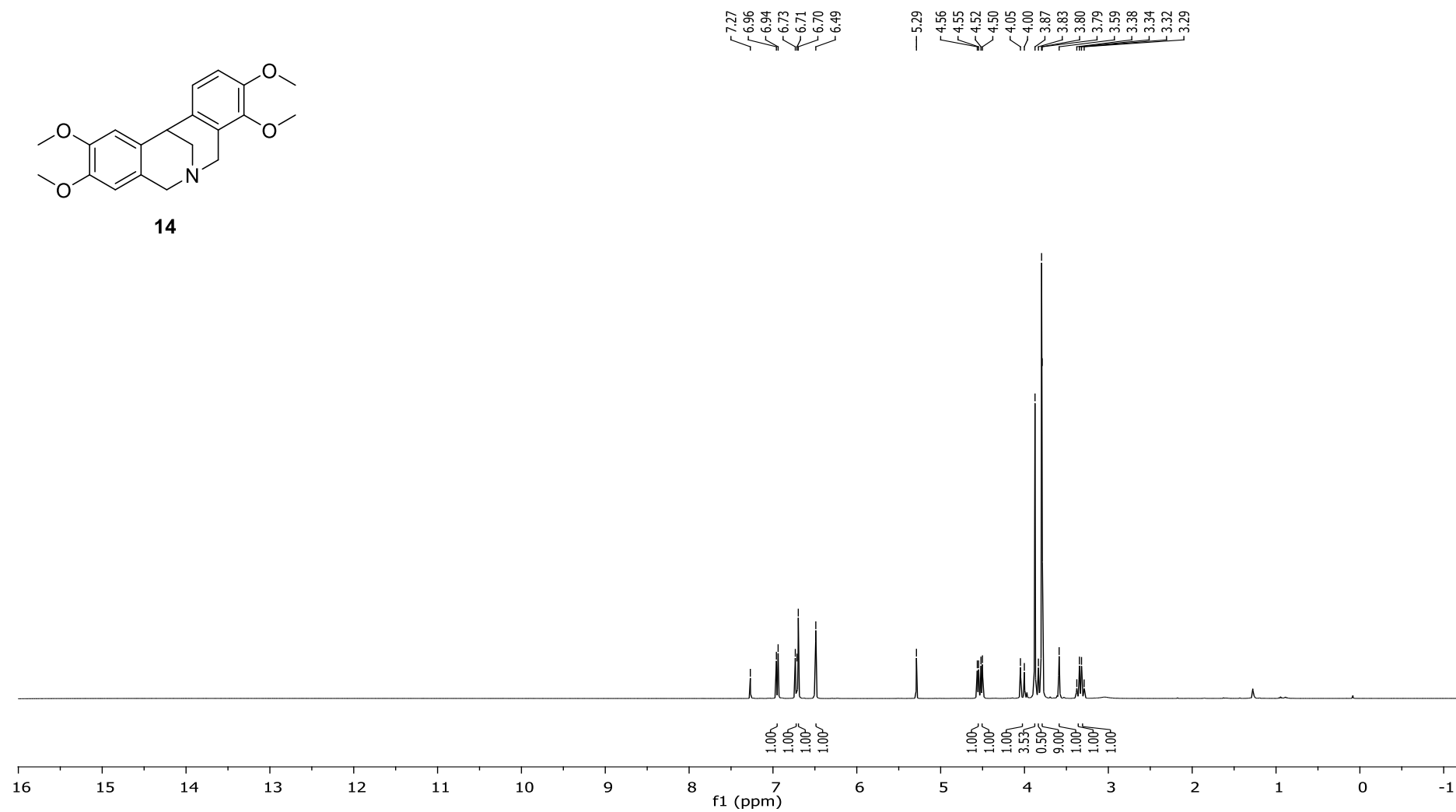
¹H NMR of *N*-(2,3-dimethoxybenzyl)-*N*-(3,4-dimethoxybenzyl)aminoacetaldehyde diethyl acetal (**12**)



¹³C NMR of *N*-(2,3-dimethoxybenzyl)-*N*-(3,4-dimethoxybenzyl)aminoacetaldehyde diethyl acetal (**12**)



¹H NMR of 2,3,8,9-tetramethoxy-7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine (**14**)



¹³C NMR of 2,3,8,9-tetramethoxy-7,12-dihydro-6,12-methanodibenzo[*c,f*]azocine (**14**)

