
SUPPORTING INFORMATION

Sustainable synthesis of novel arylamide *L*-cysteine methyl esters peptidomimetic derivatives: inhibitors of serine and cysteine-like proteases

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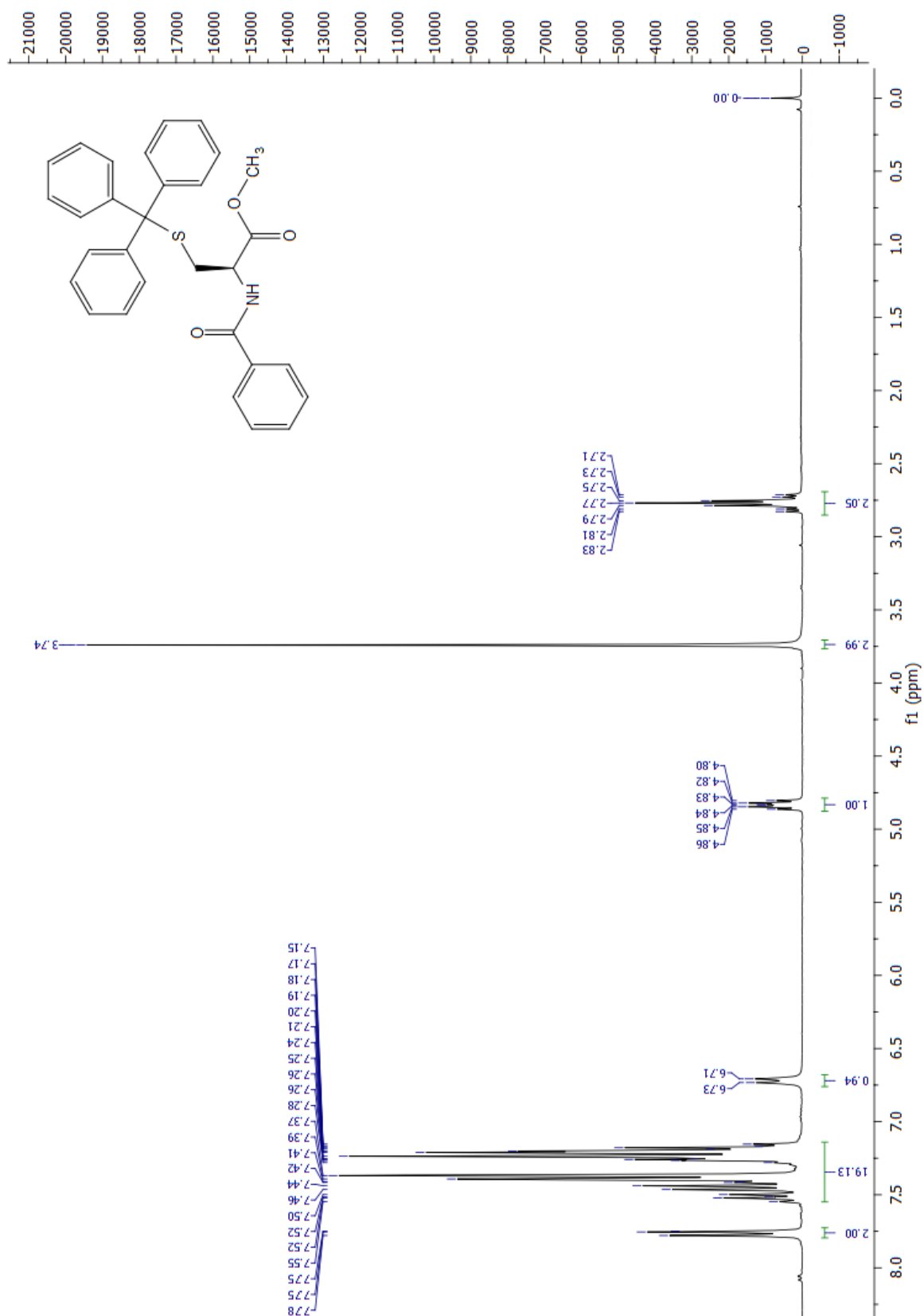
^c *Universidade Federal de São Paulo, Departamento de Ciências Farmacêuticas, Instituto de Ciências Ambientais, Químicas e Farmacêuticas. Rua São Nicolau, 210, Centro - 09913030 - Diadema, SP - Brasil*

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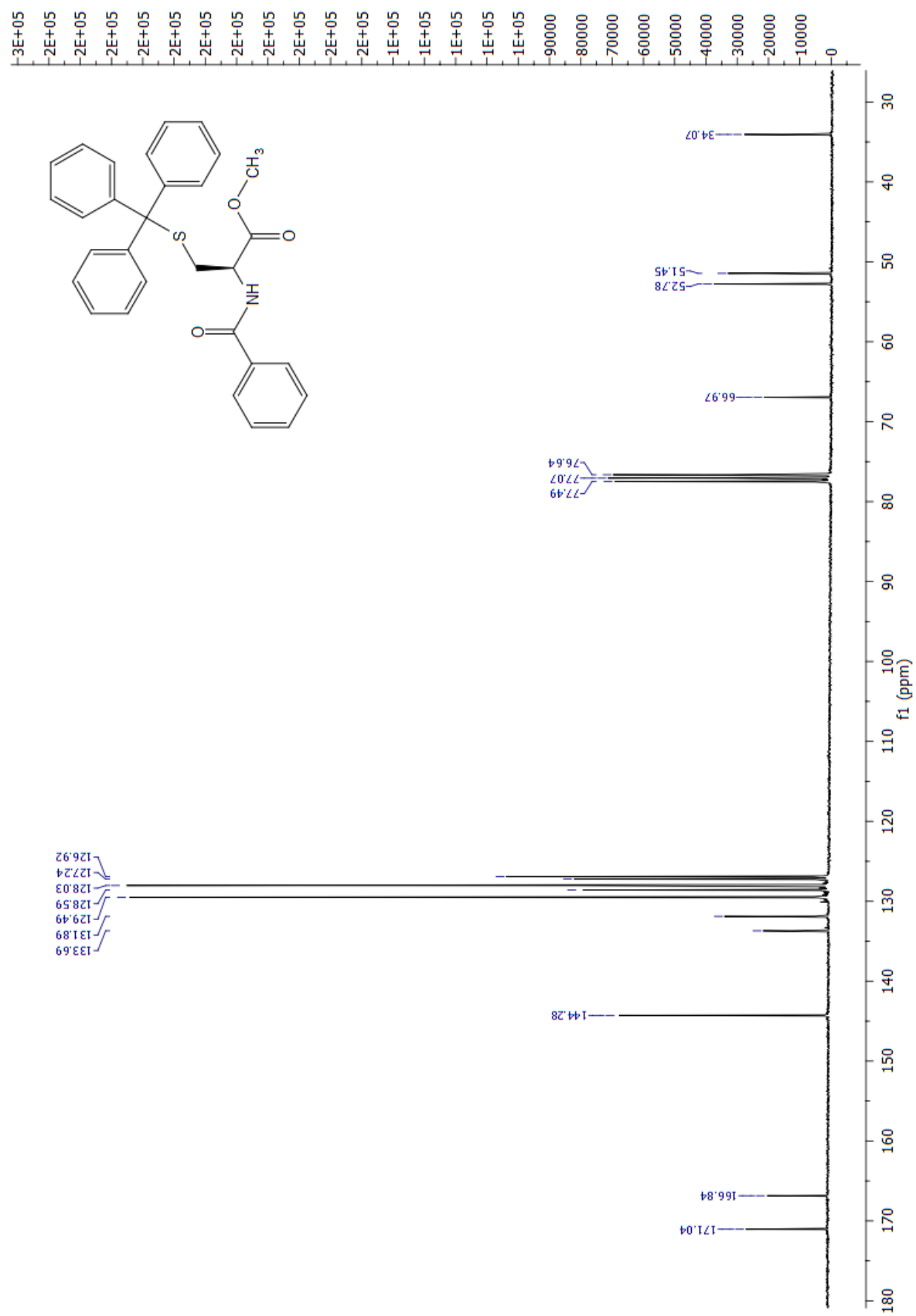
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Copies of ^1H and ^{13}C spectra.

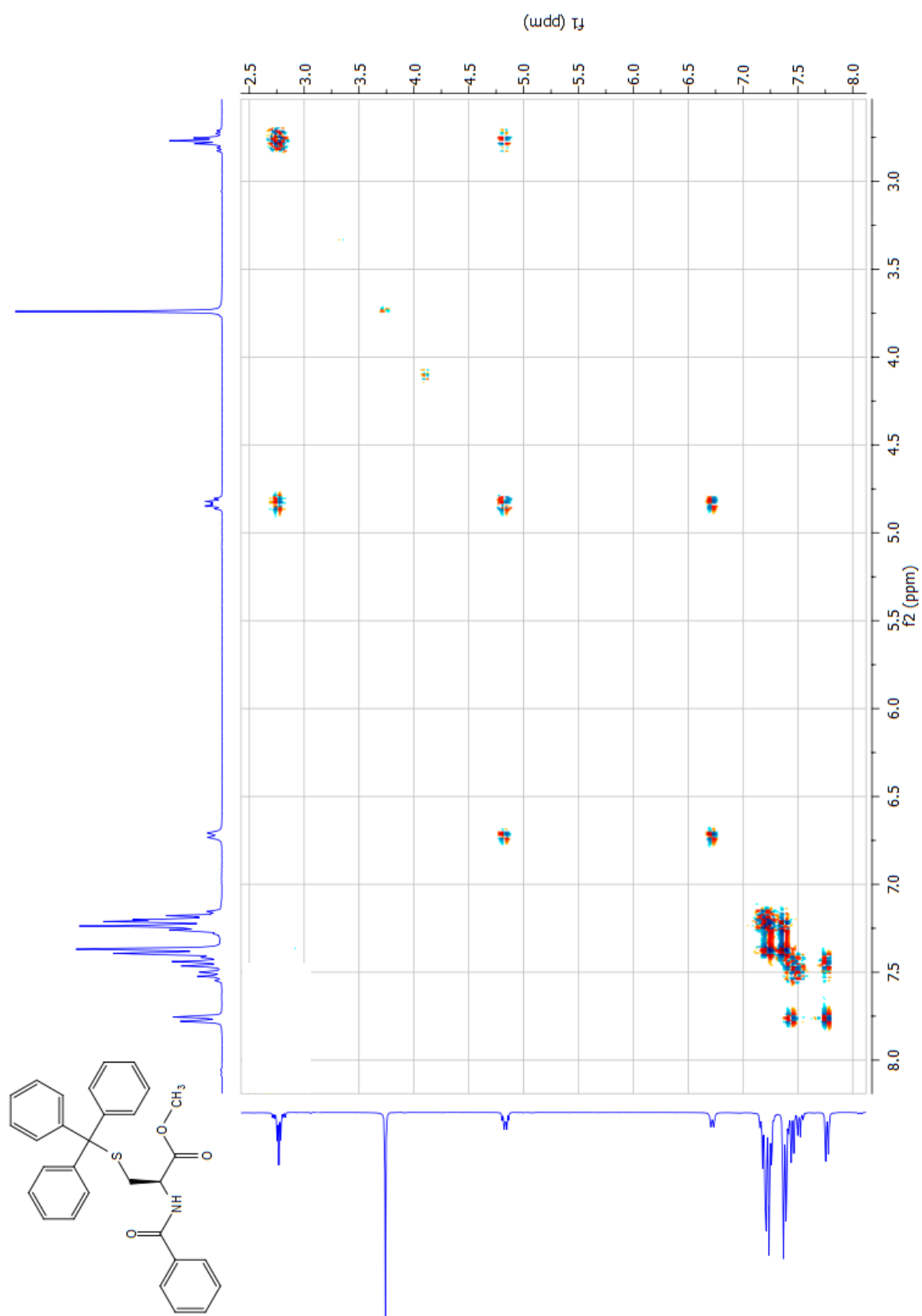
(*R*)-methyl 2-benzamido-3-(tritylthio)propanoate (1a) - ^1H NMR in CDCl_3



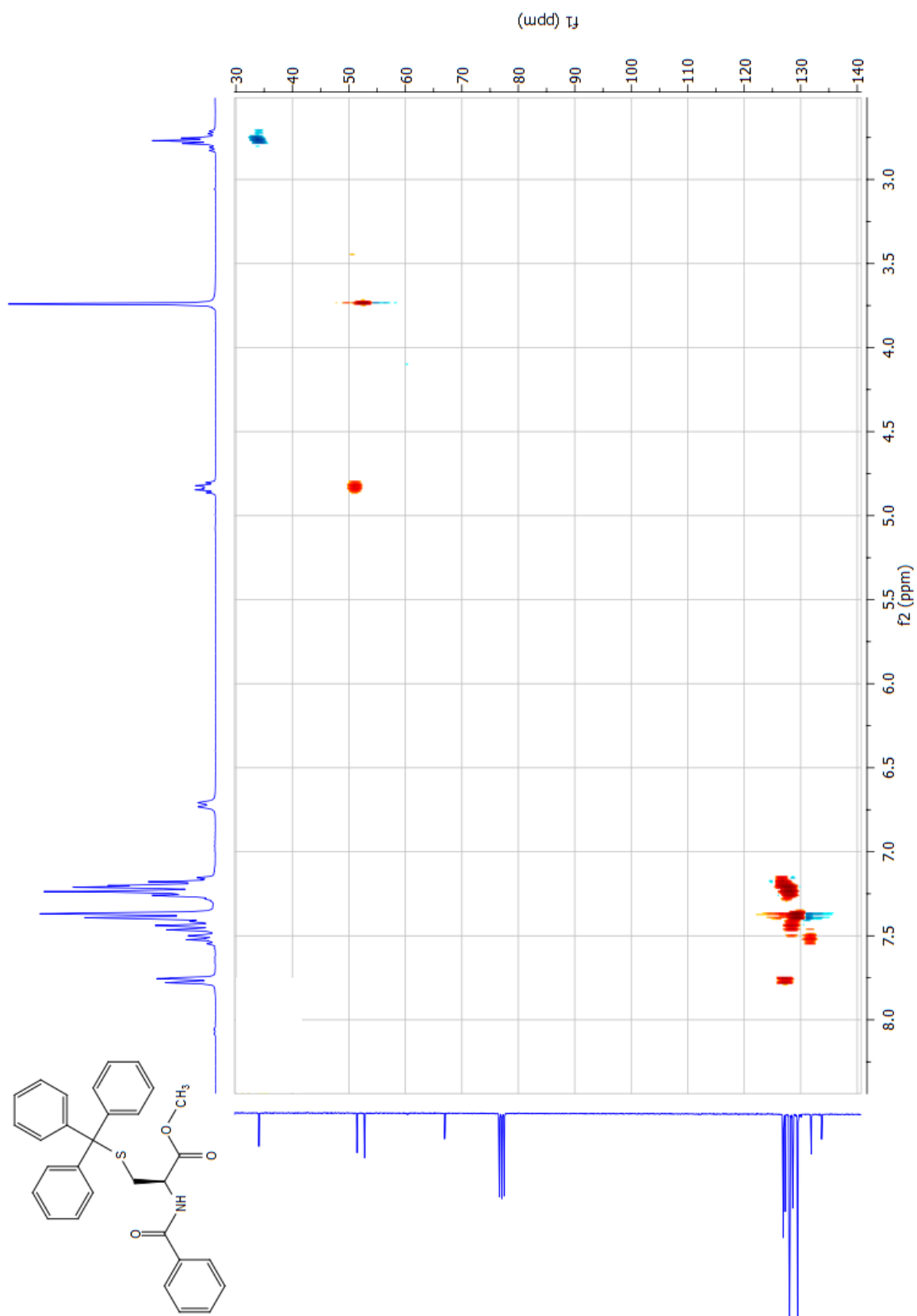
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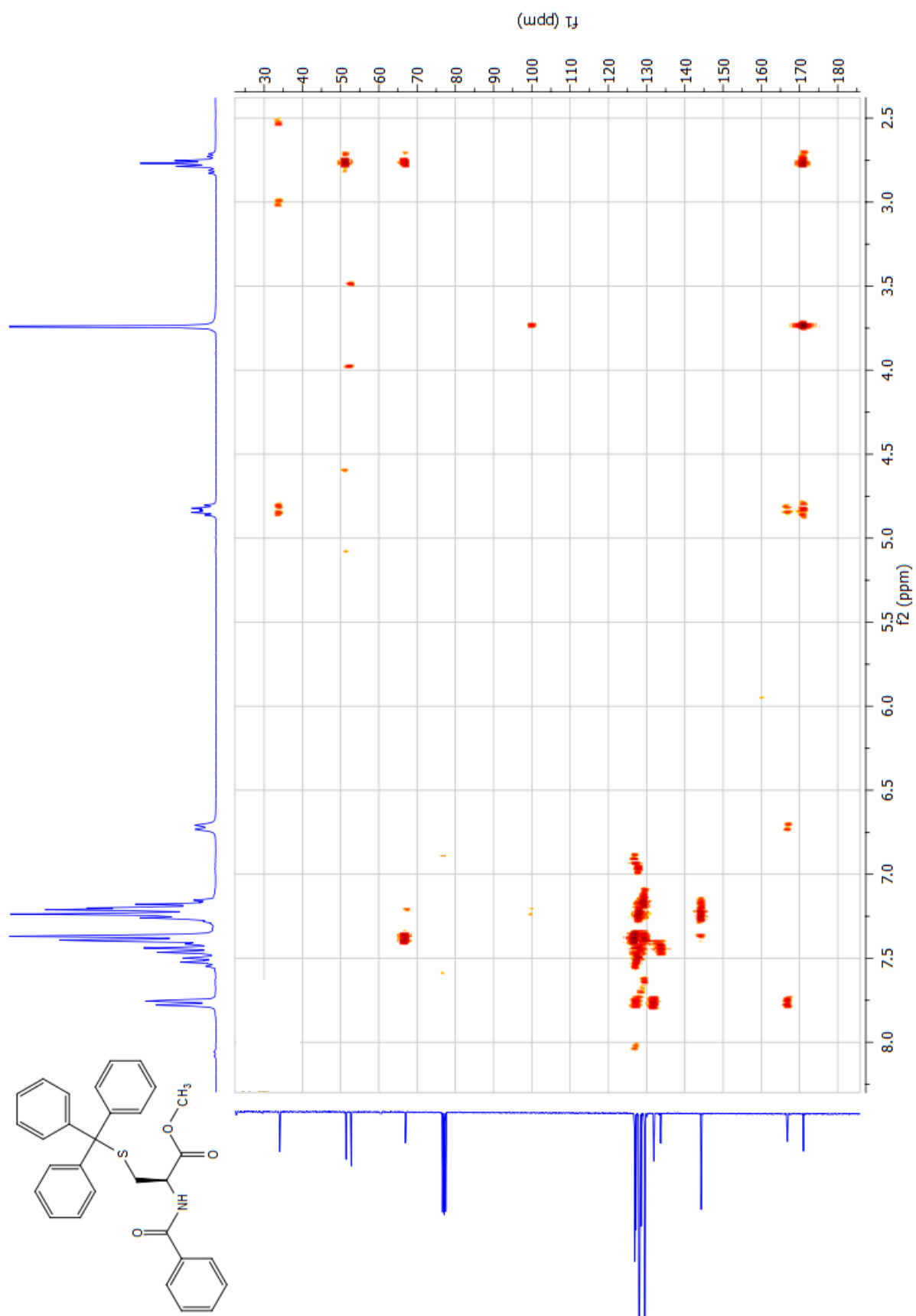
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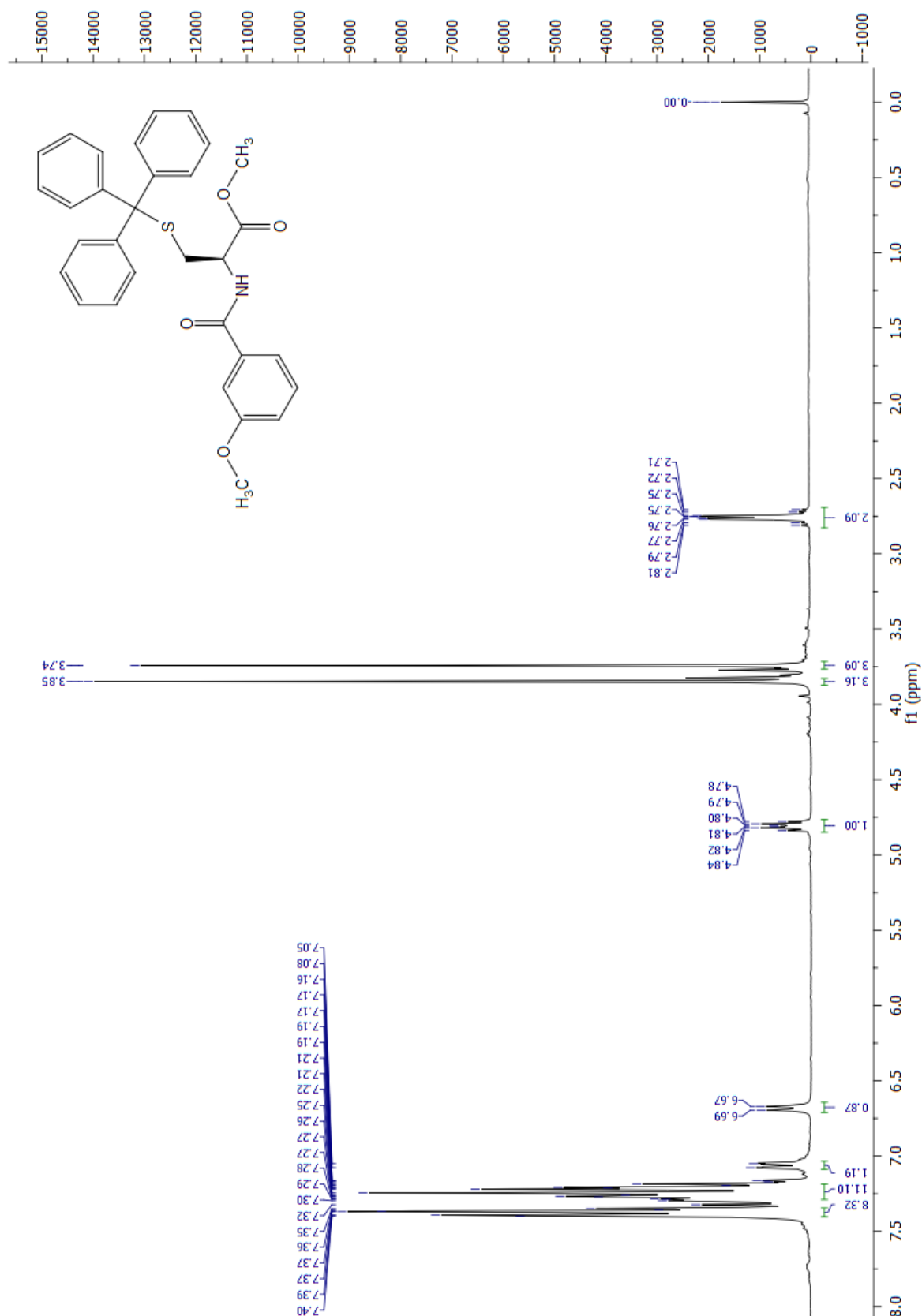
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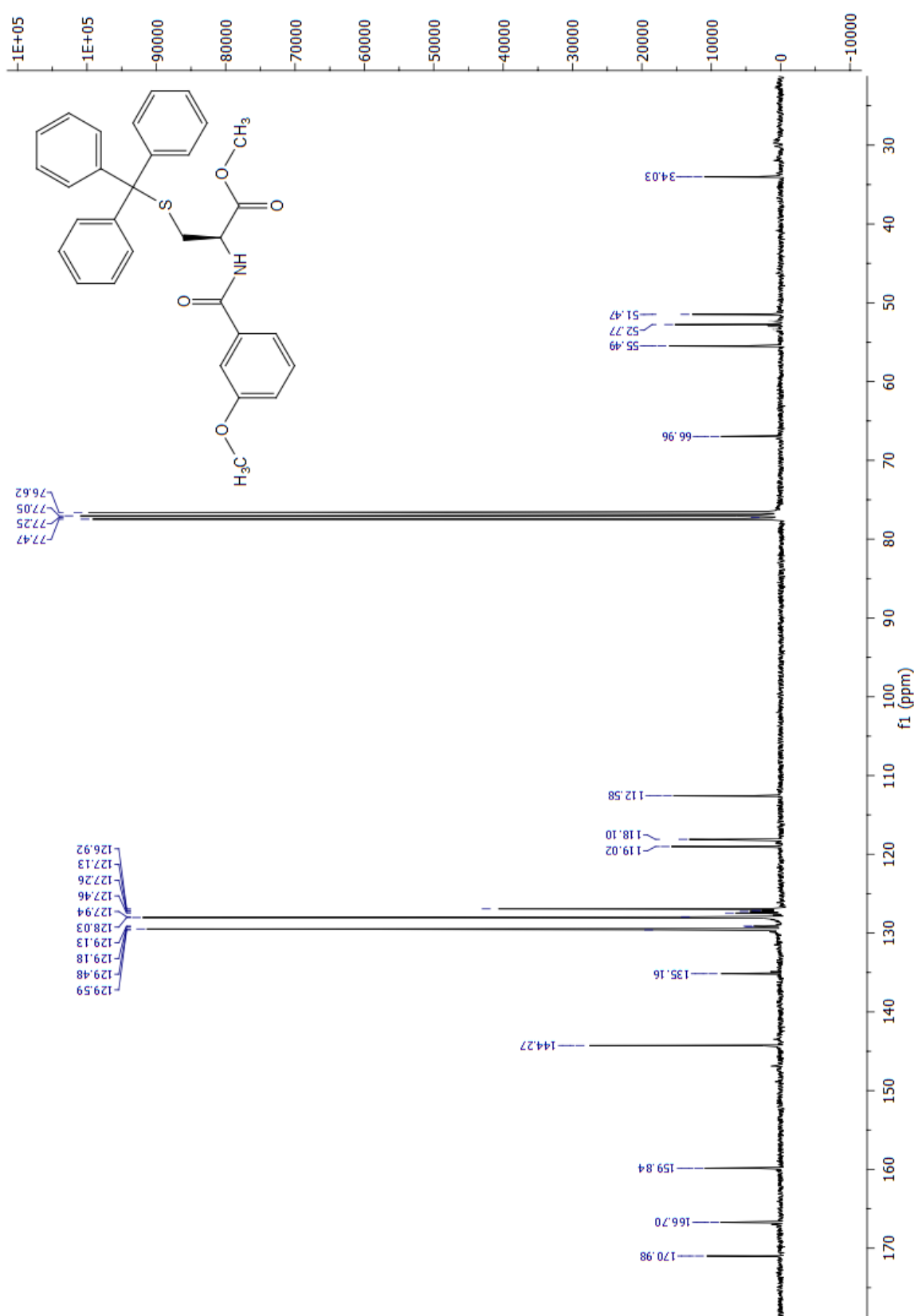
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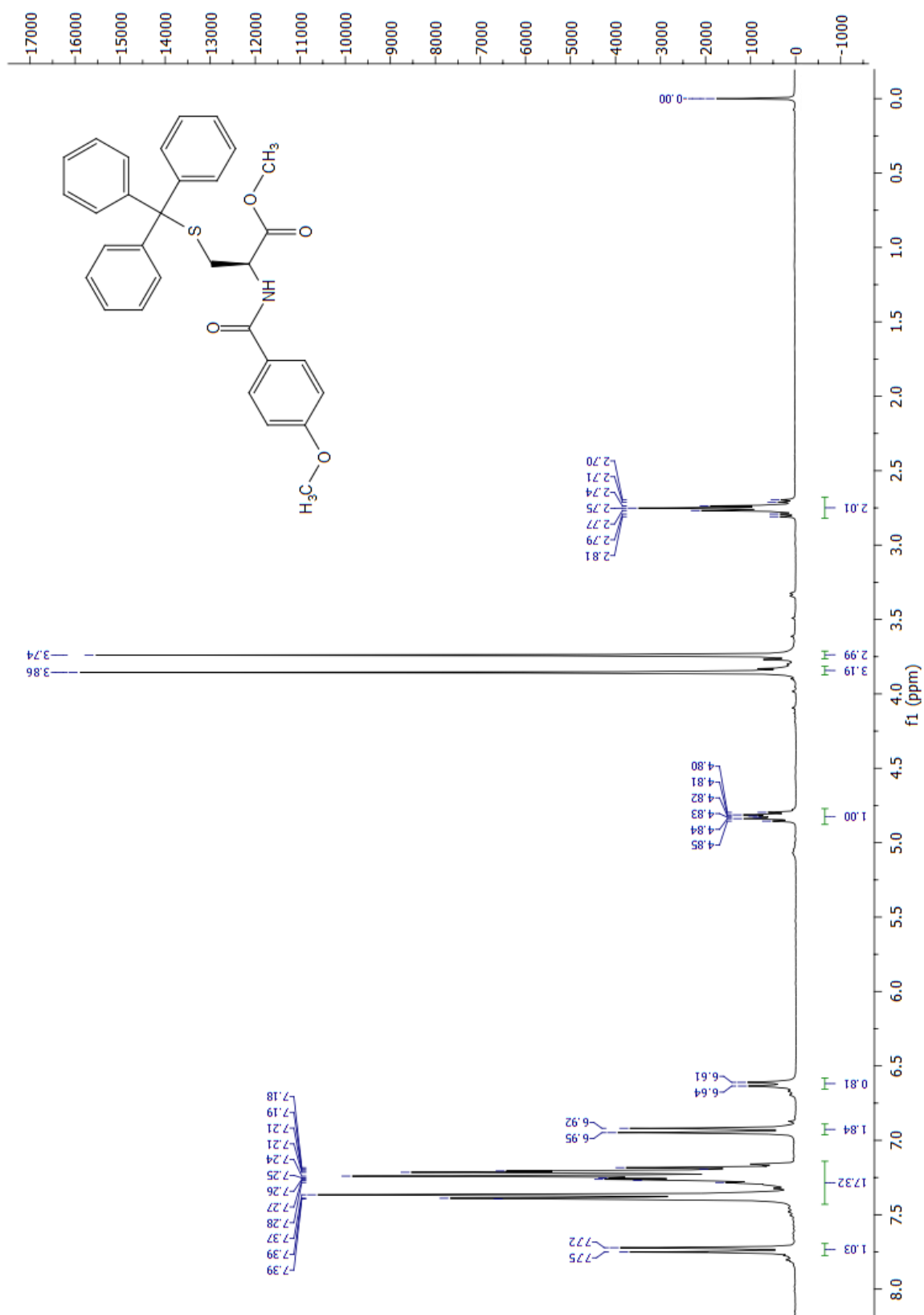
(R)-methyl 2-(3-methoxybenzamido)-3-(tritylthio)propanoate (1b) - ^1H NMR in CDCl_3



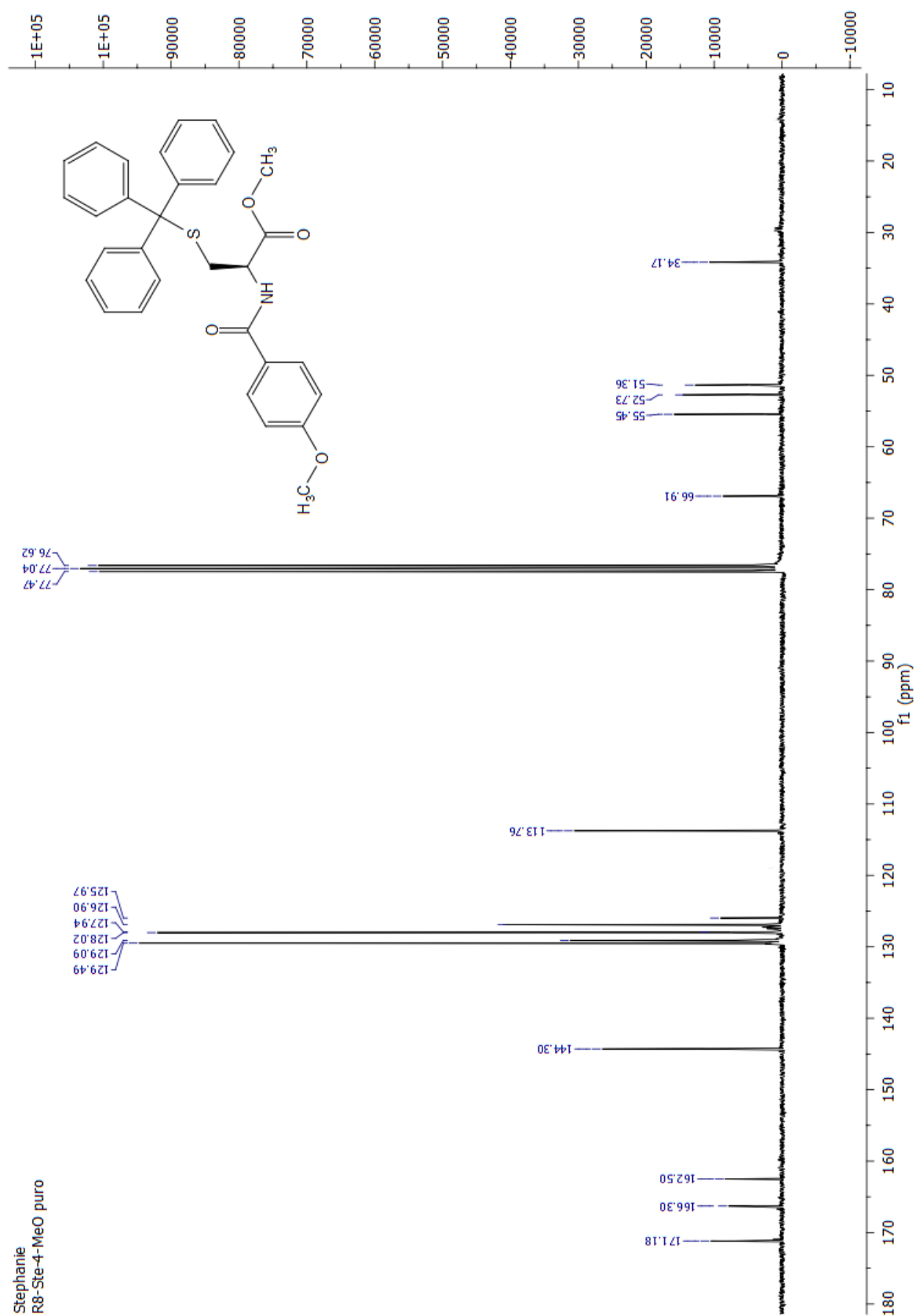
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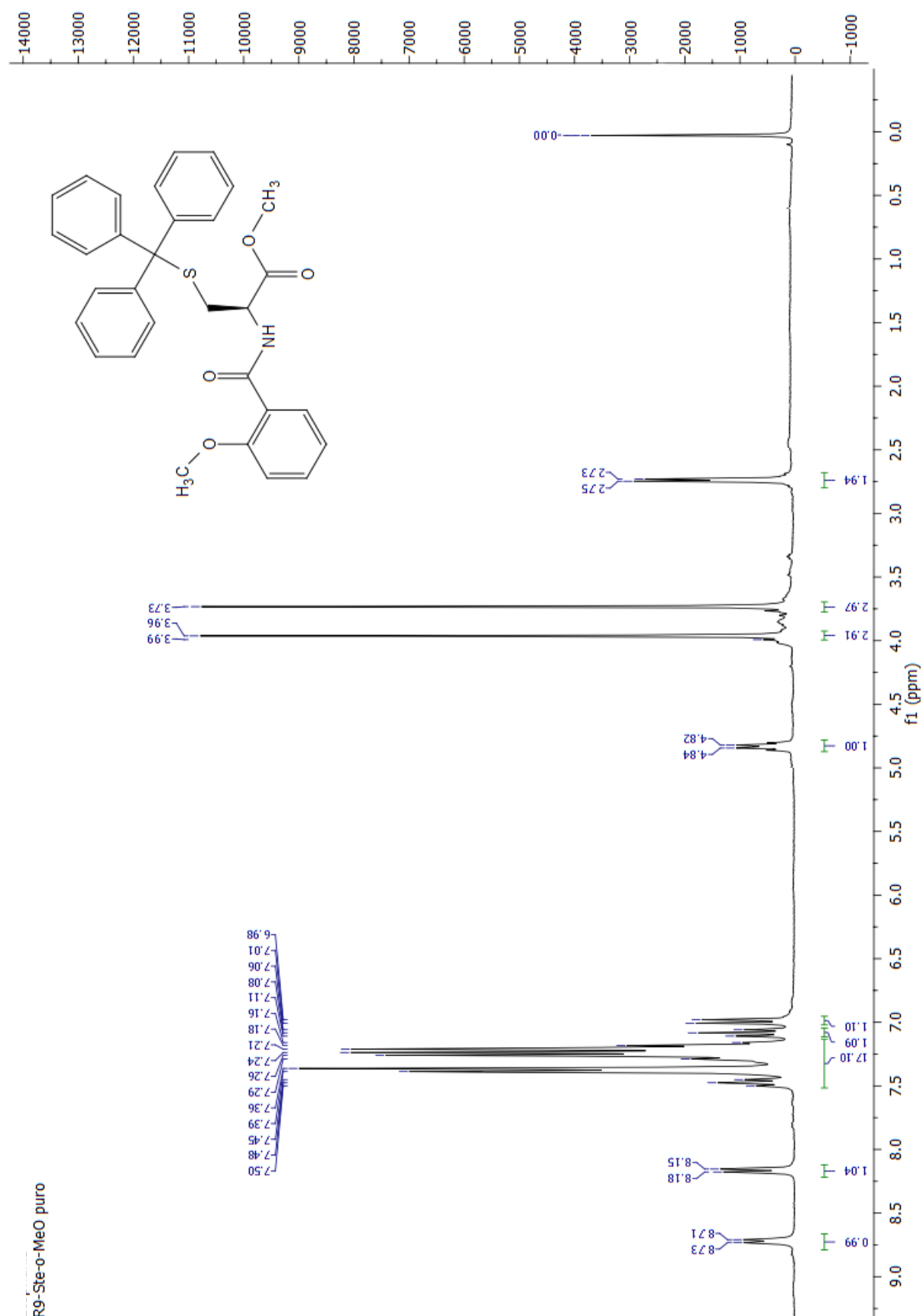
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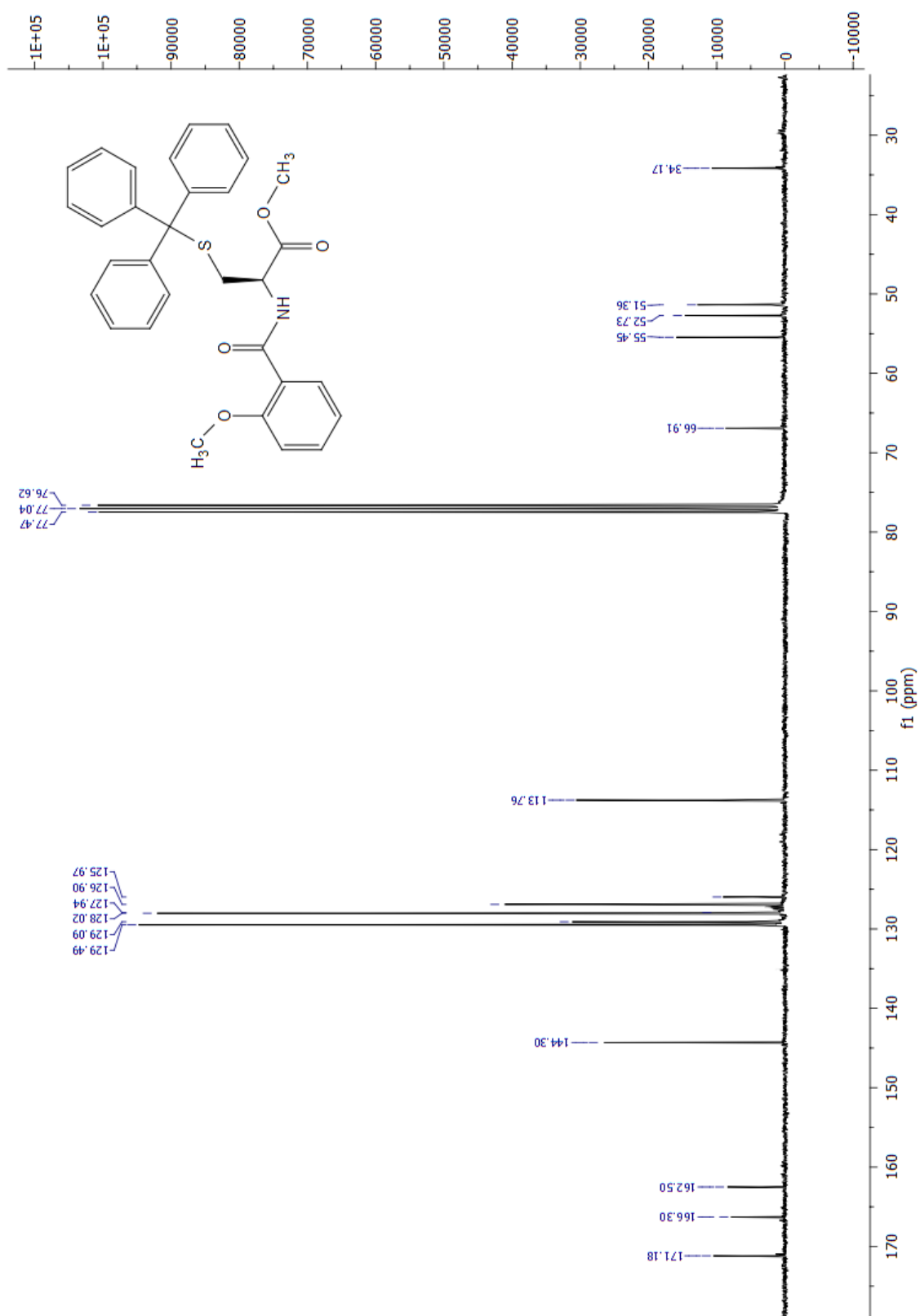
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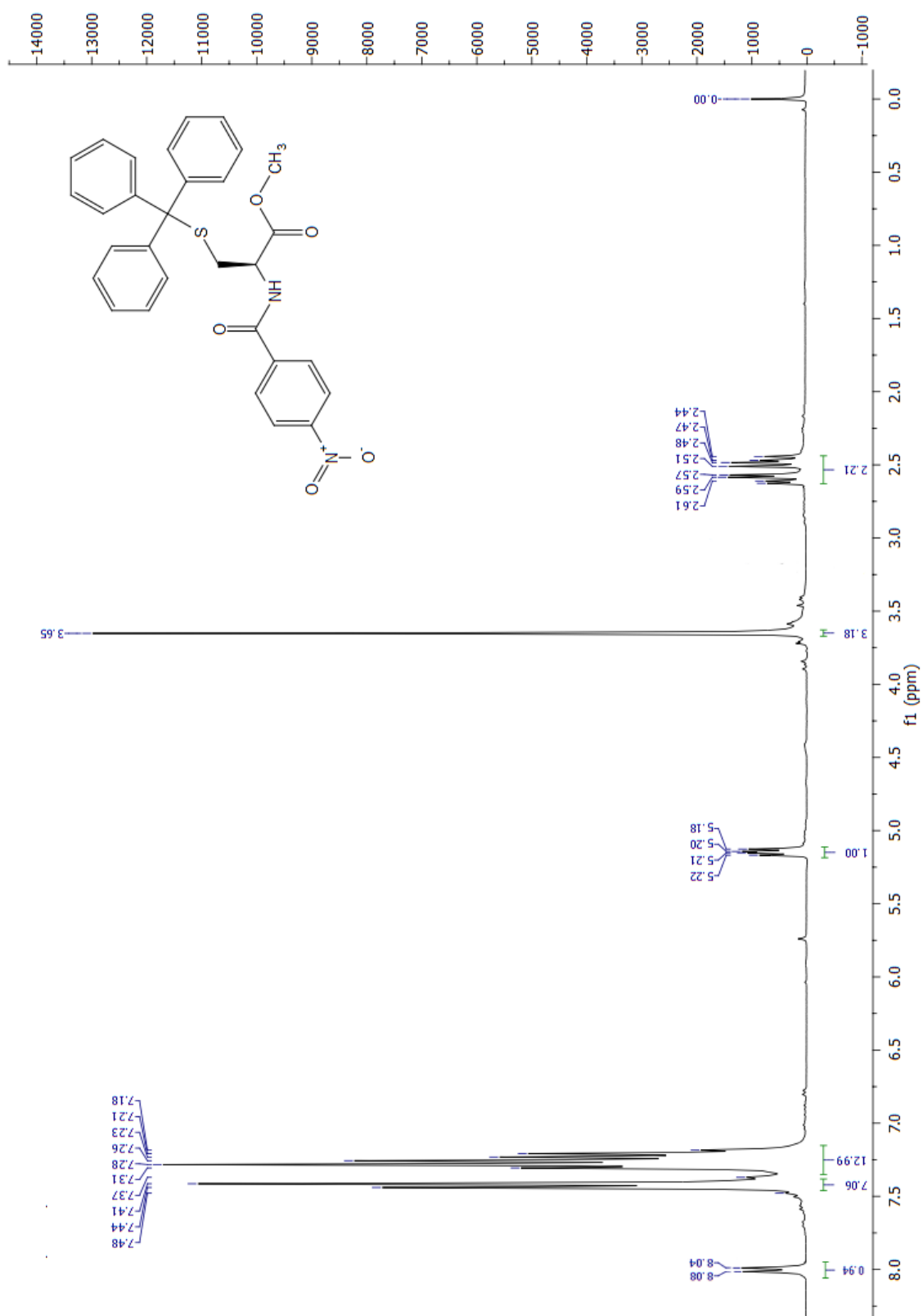
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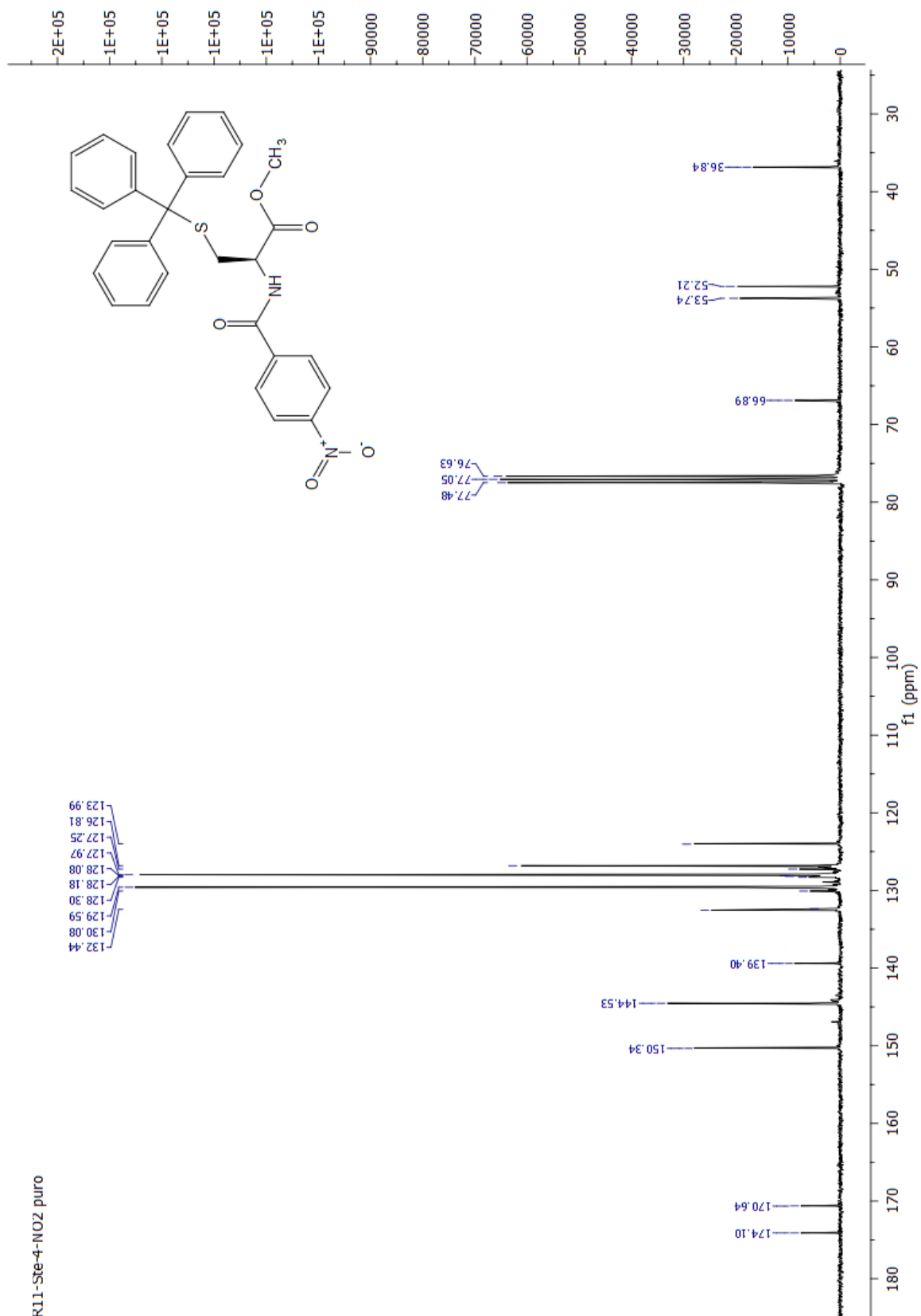
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(R)-methyl 2-(4-nitrobenzamido)-3-(tritylthio)propanoate (1e) - ^1H NMR in CDCl_3

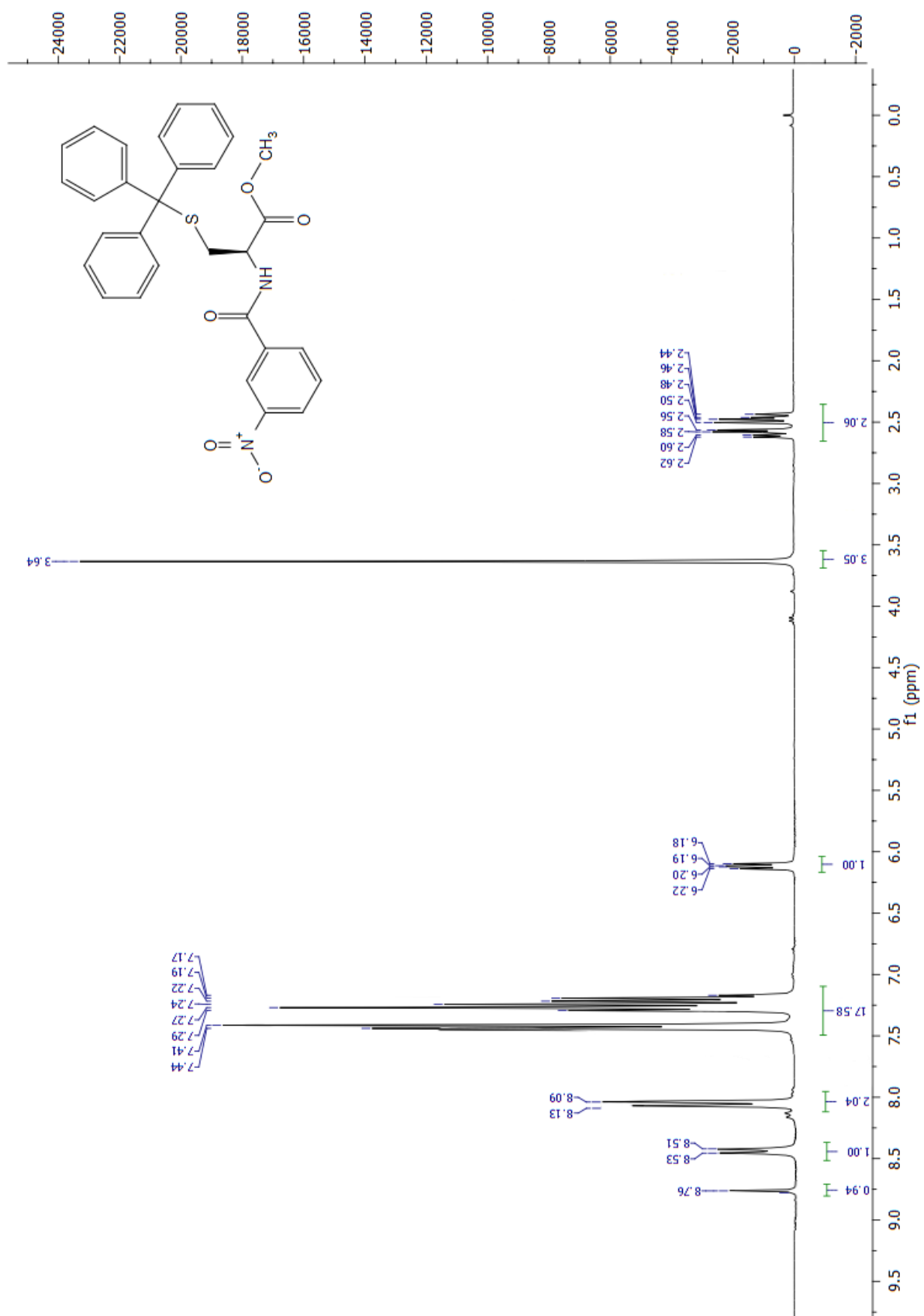


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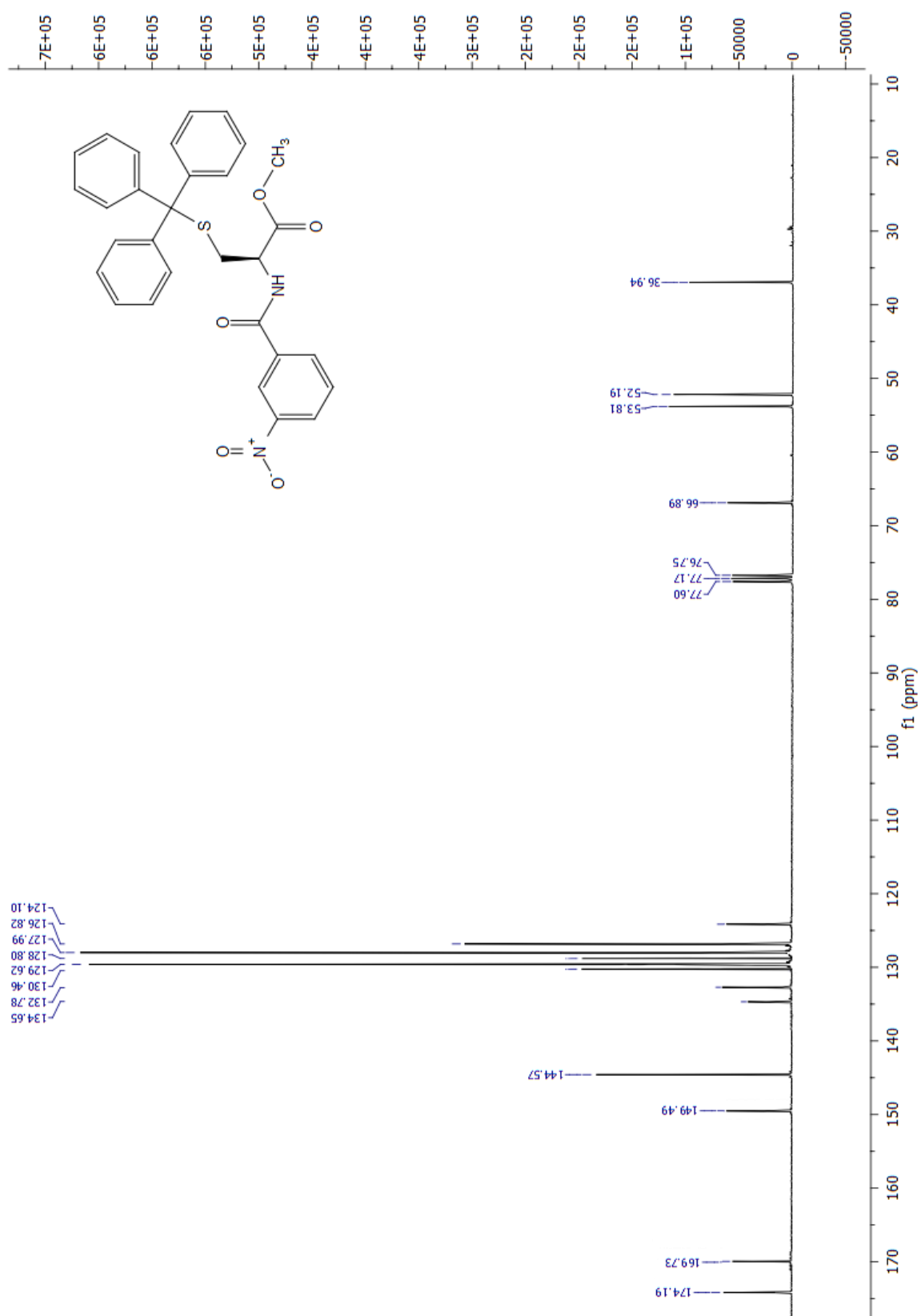


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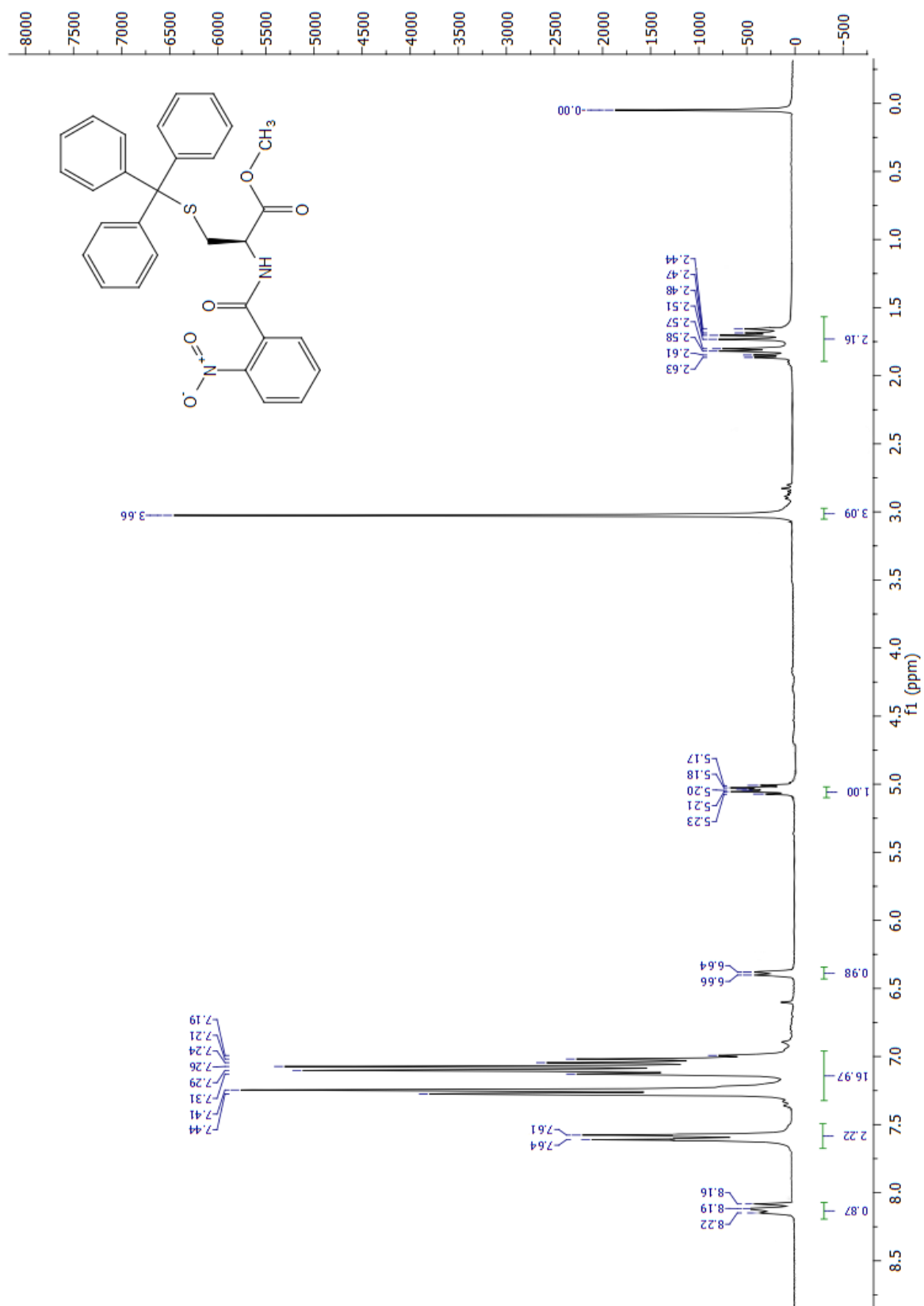
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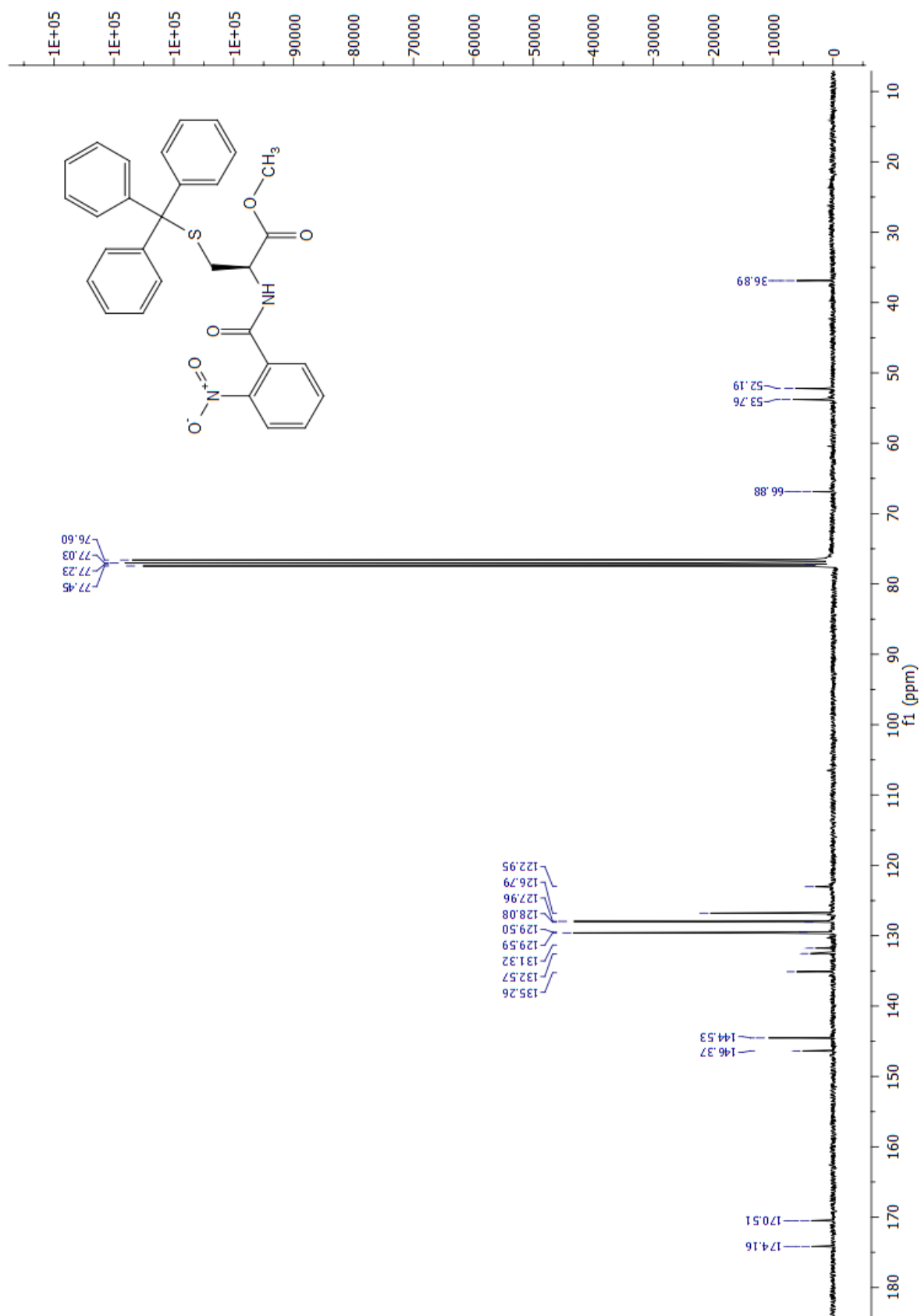
(R)-methyl 2-(3-nitrobenzamido)-3-(tritylthio)propanoate (1f) - ^{13}C NMR in CDCl_3



(R)-methyl 2-(2-nitrobenzamido)-3-(tritylthio)propanoate (1g) - ^1H NMR in CDCl_3



(R)-methyl 2-(2-nitrobenzamido)-3-(tritylthio)propanoate (1g) - ^{13}C NMR in CDCl_3



Enzymatic Assays.

Figure 1. **1(a-g)** compounds influence on papain activity. Relative activities were determined by measuring the initial velocity of hydrolysis of 10 μM Abz-KLFSSKQ-EDDnp by papain in presence of 25-70 μM of each 10 mM solution of the compounds. The assay conditions were described in Material and Methods.

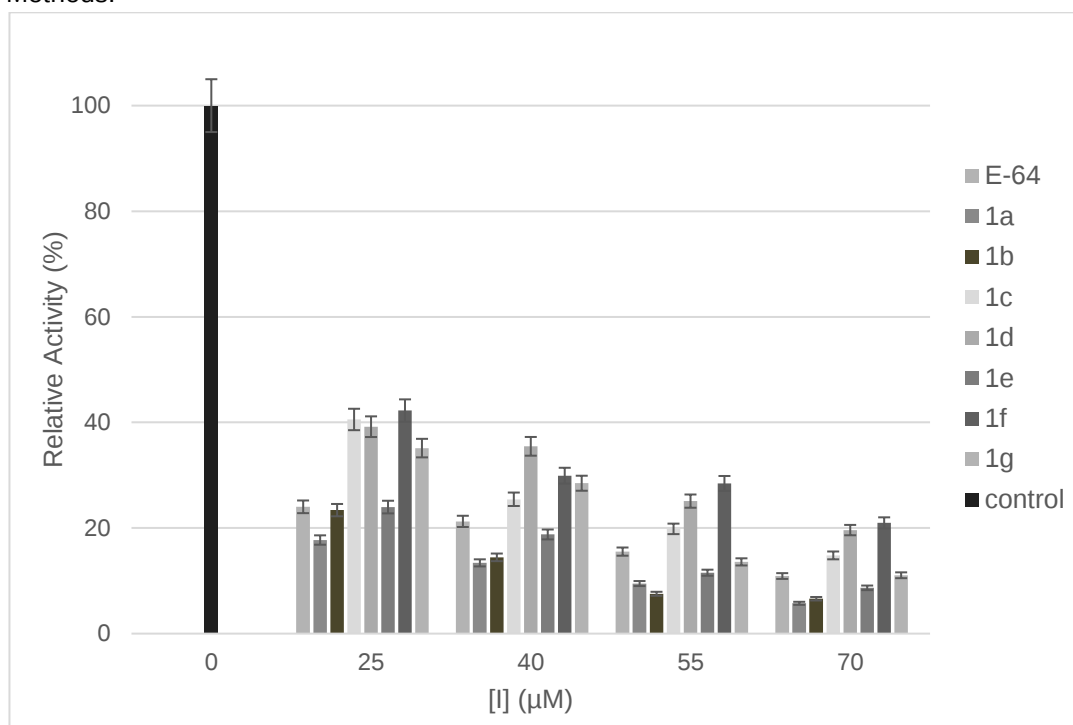


Figure 2. **1(a-g)** compounds influence on trypsin activity. Relative activities were determined by measuring the initial velocity of hydrolysis of 10 μM Abz-KLRSSKQ-EDDnp by trypsin in presence of 500-5000 μM of each 10 mM solution of the compounds. The assay conditions were described in Material and Methods.

