

Supporting Information

for

Sequential two-step multienzyme synthesis of tumor-associated sialyl T-antigens and derivatives

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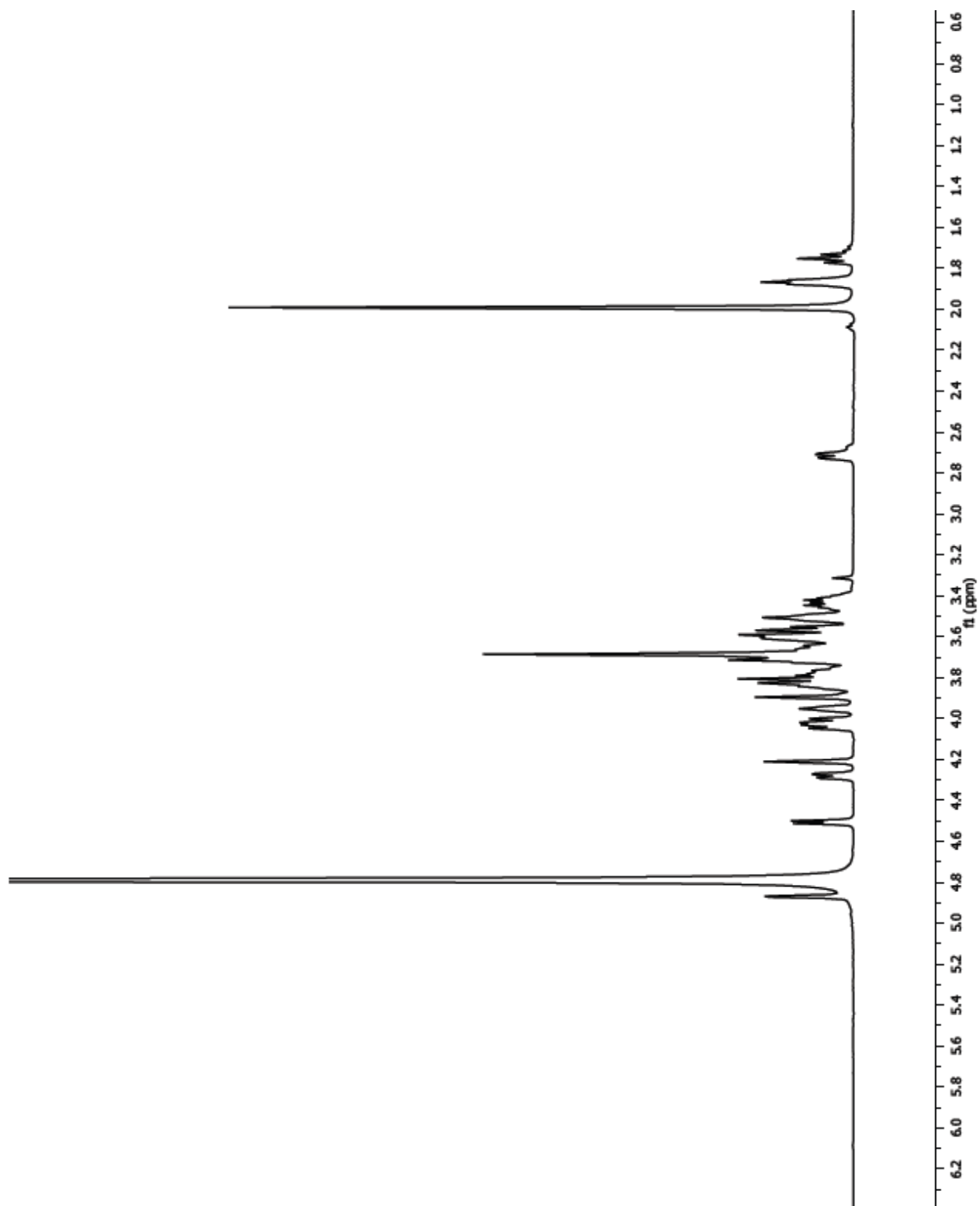
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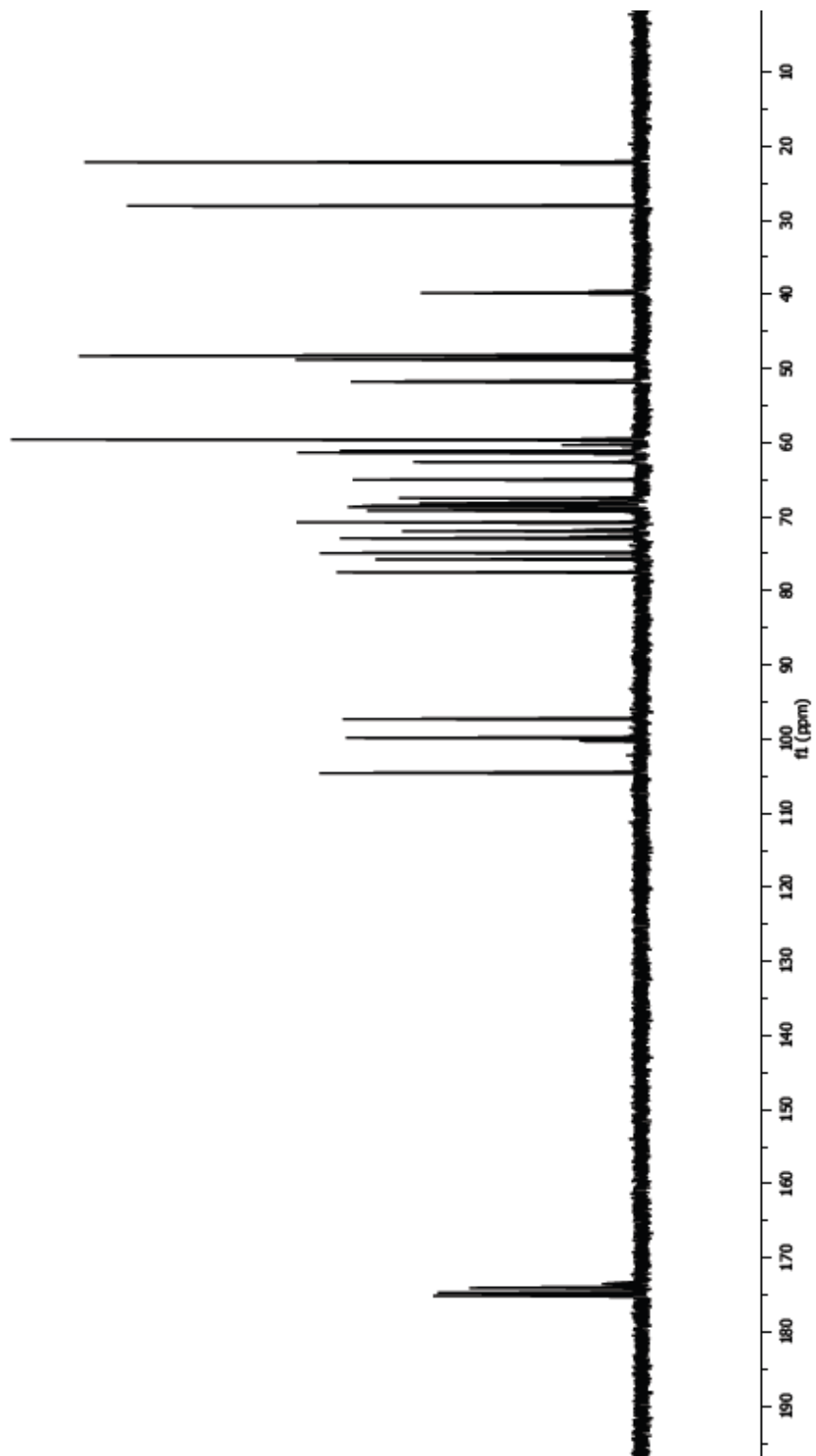
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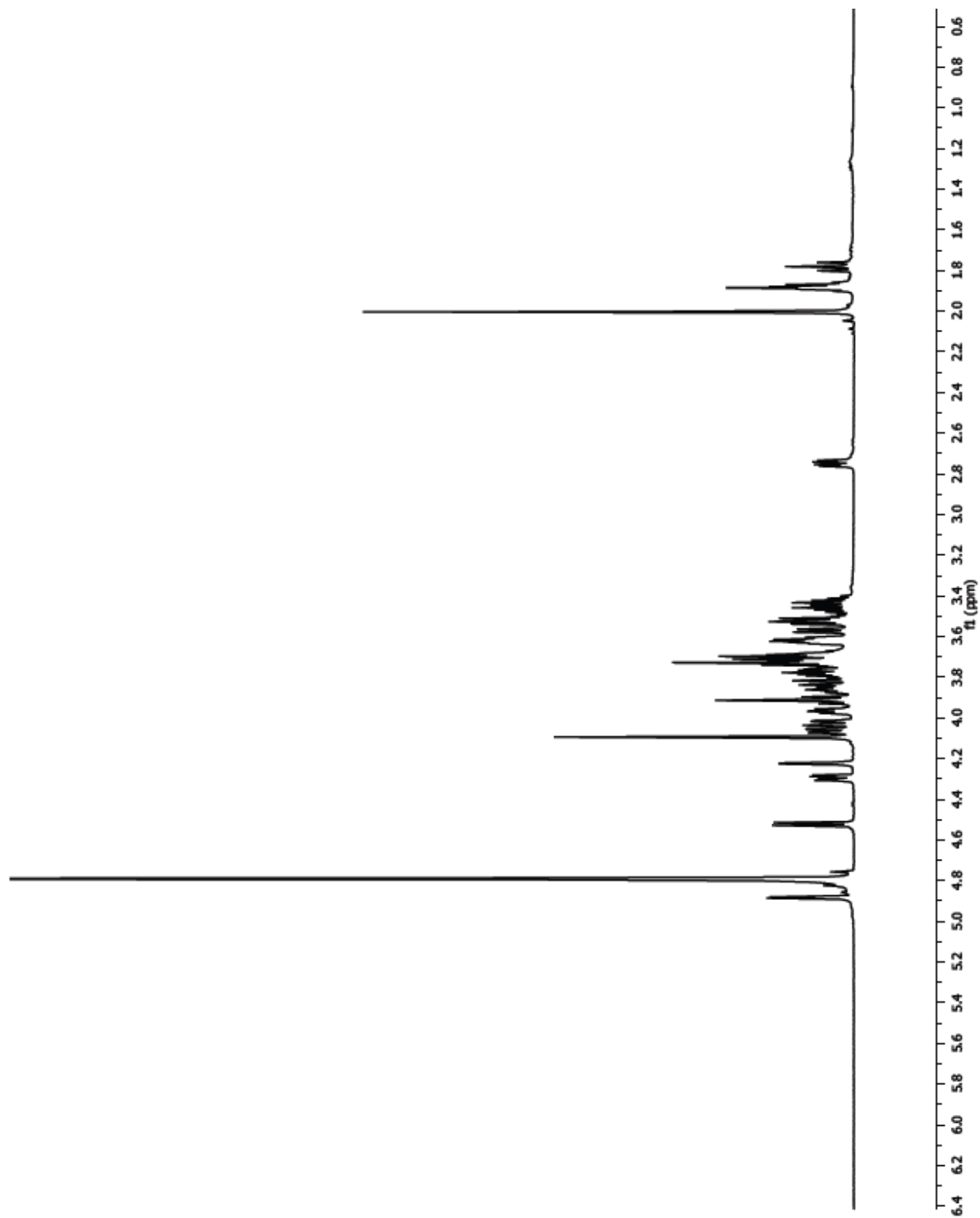
^1H NMR of sialoside Neu5Ac α 2-3Gal β 1-3GalNAc α ProN $_3$ **10**



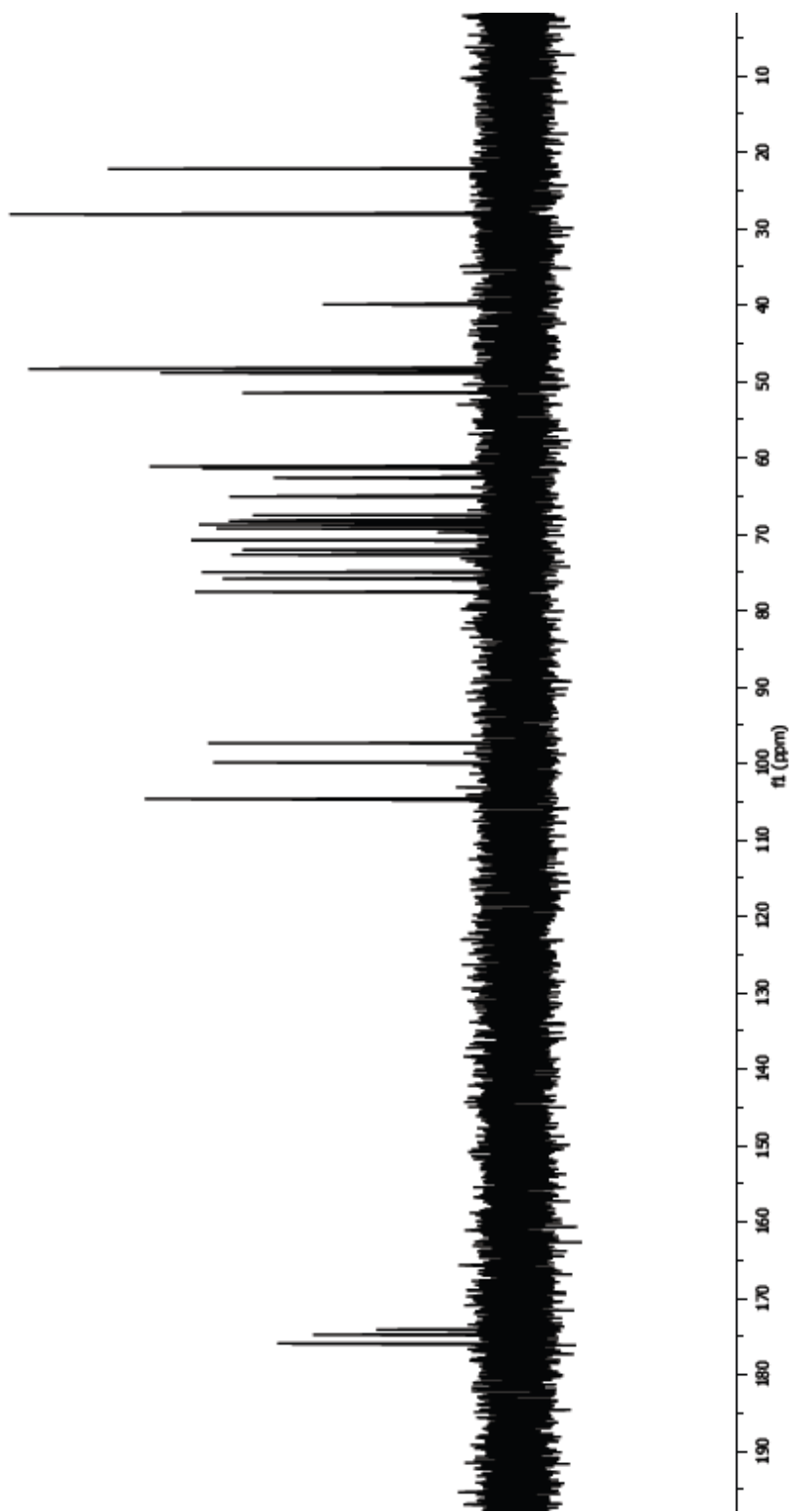
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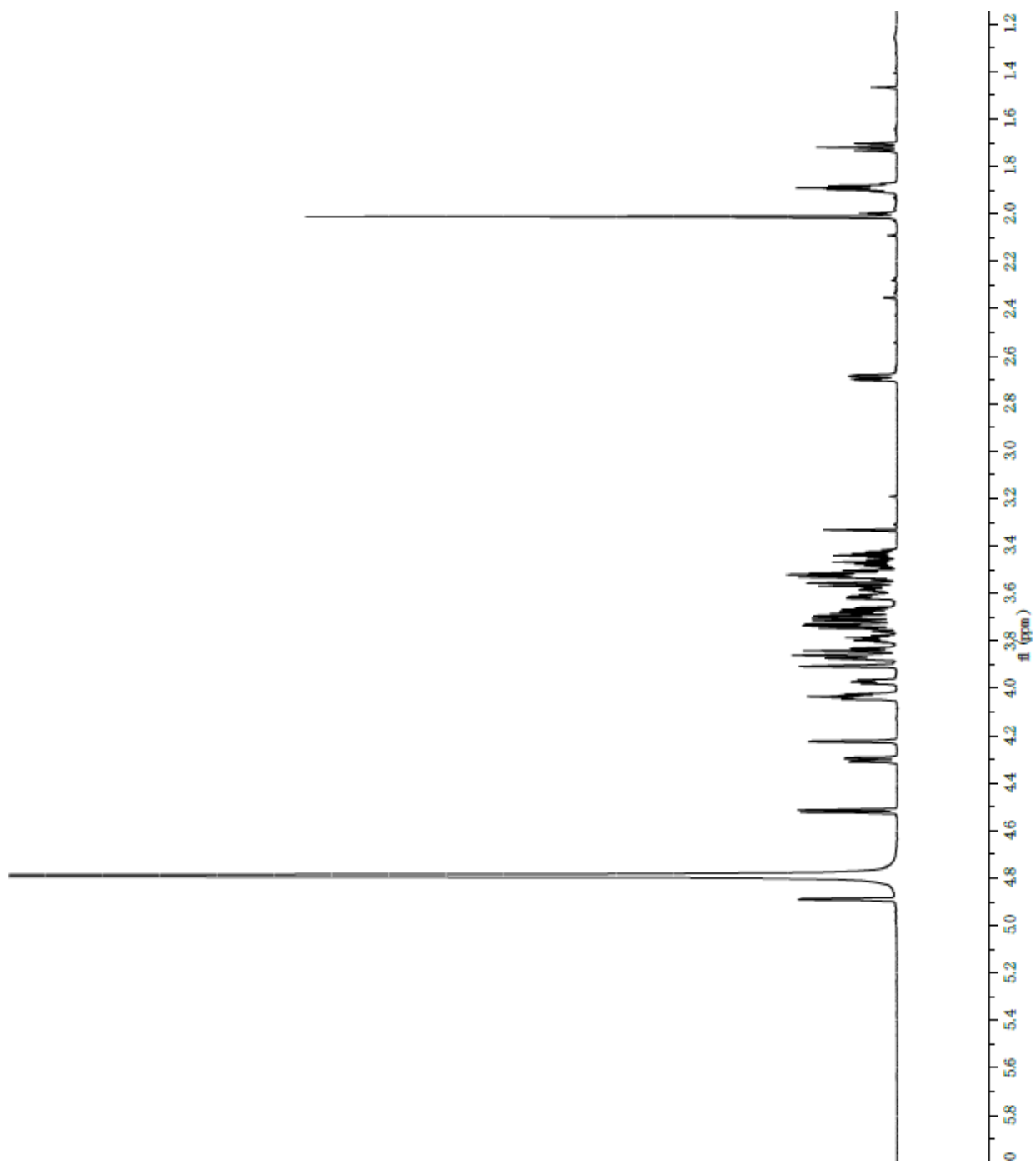
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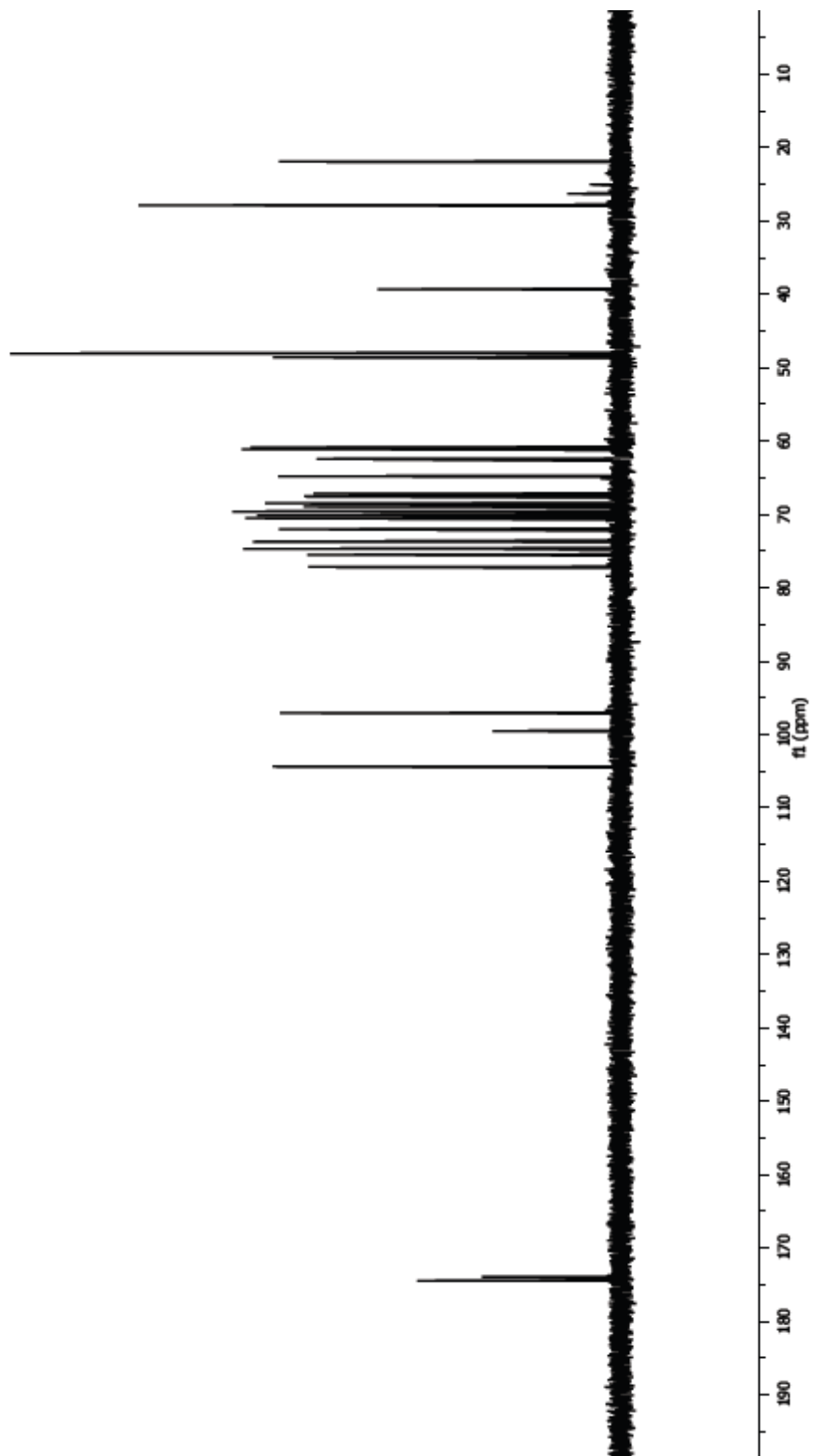
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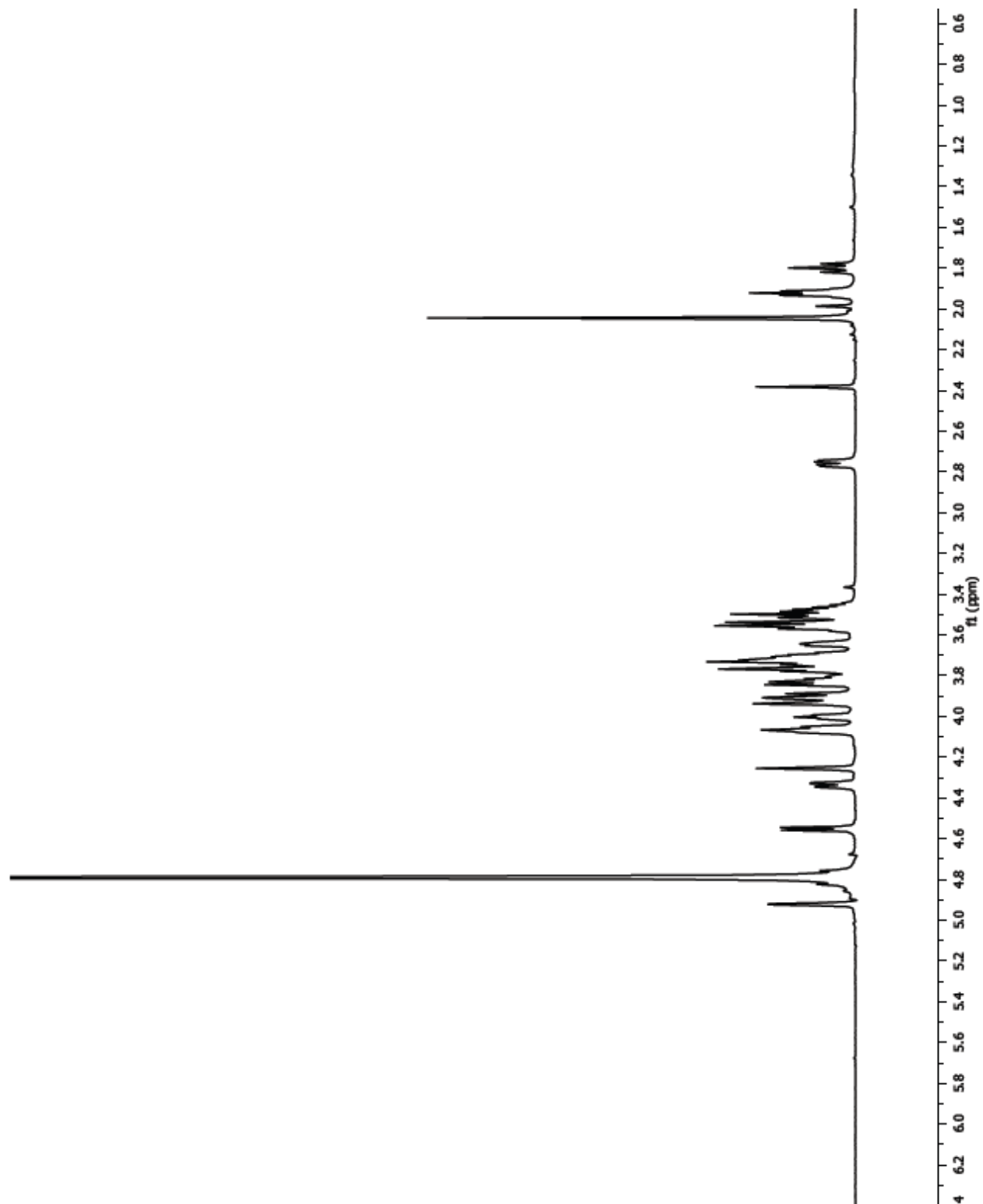
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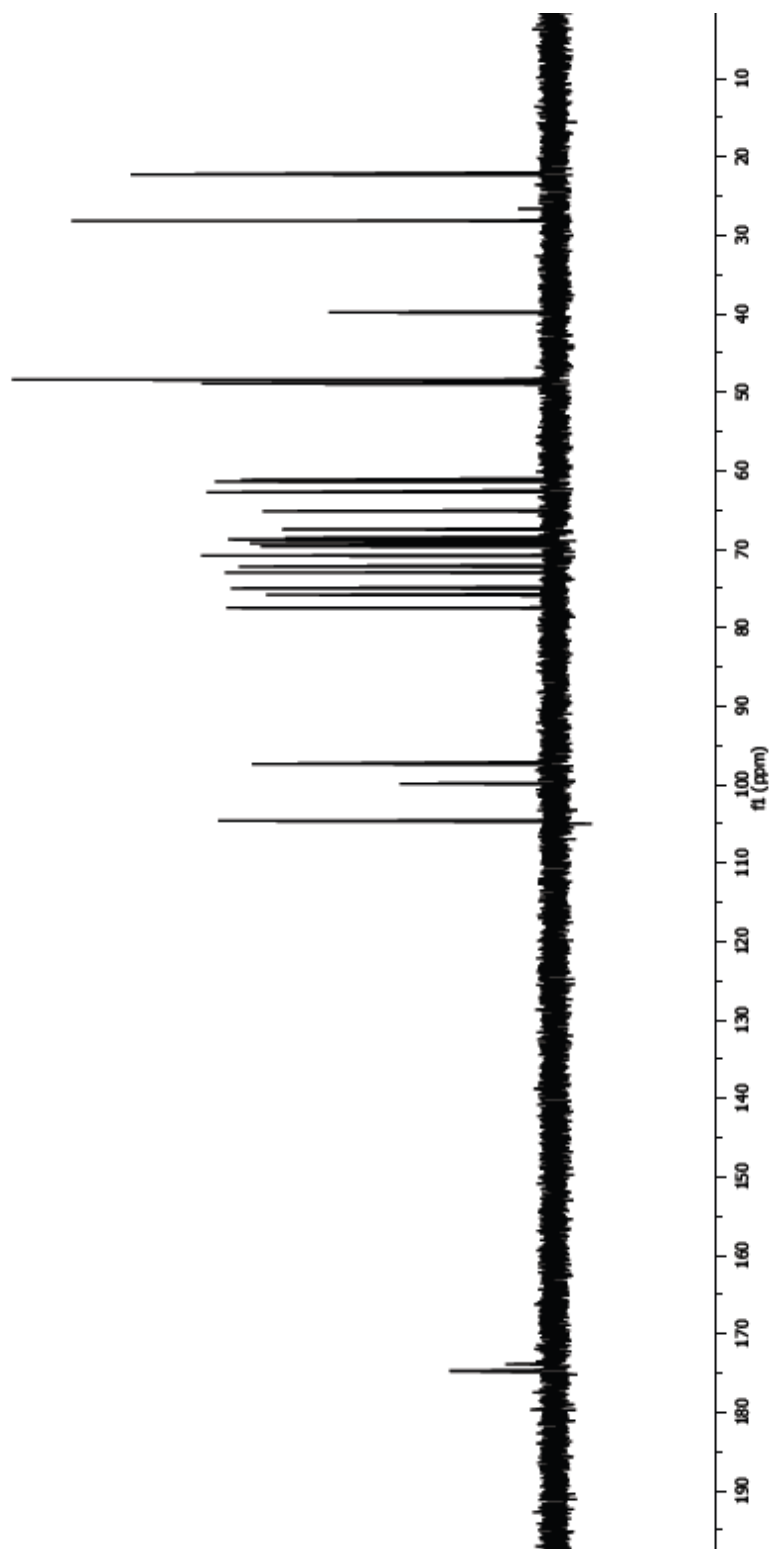
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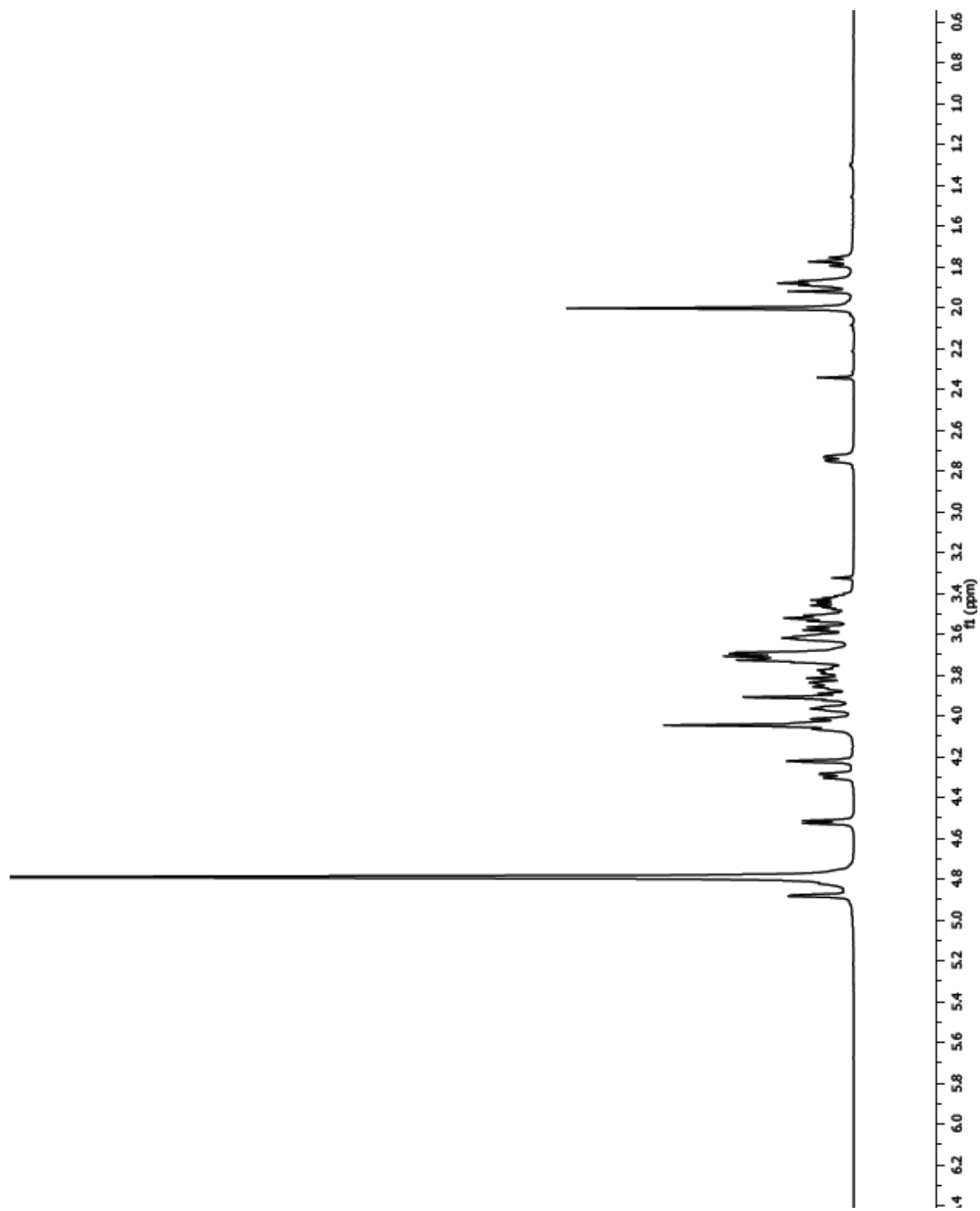
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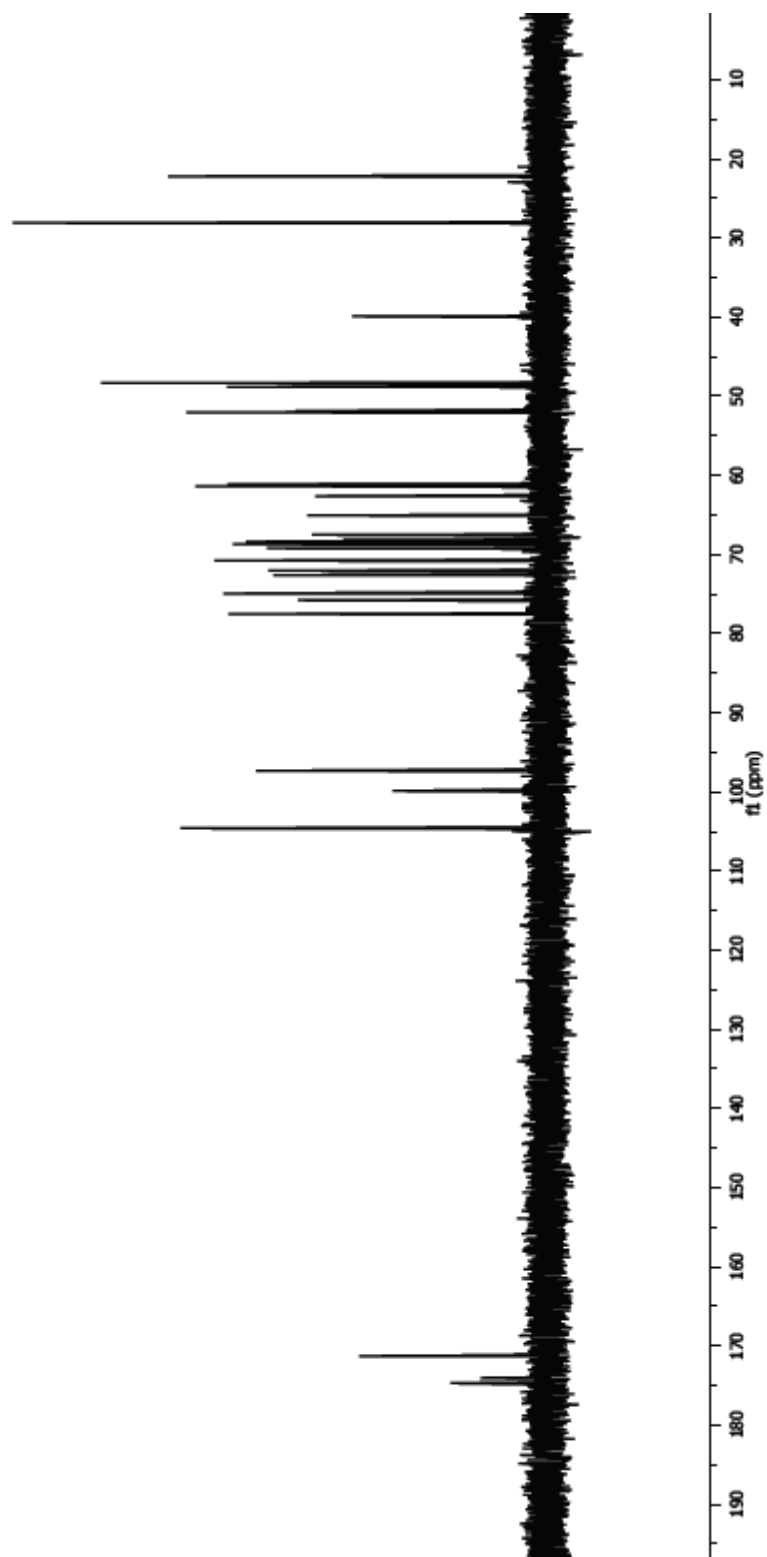
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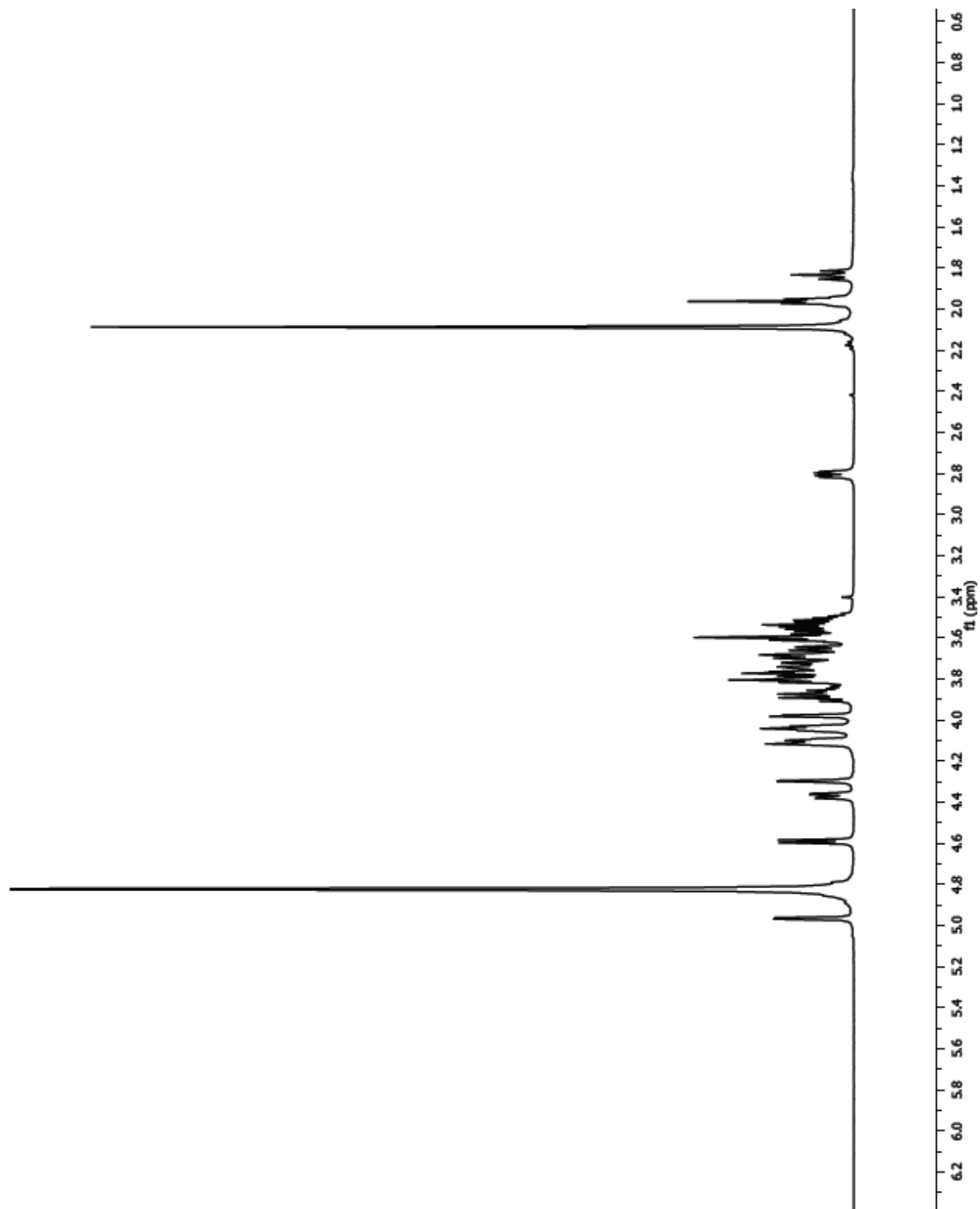
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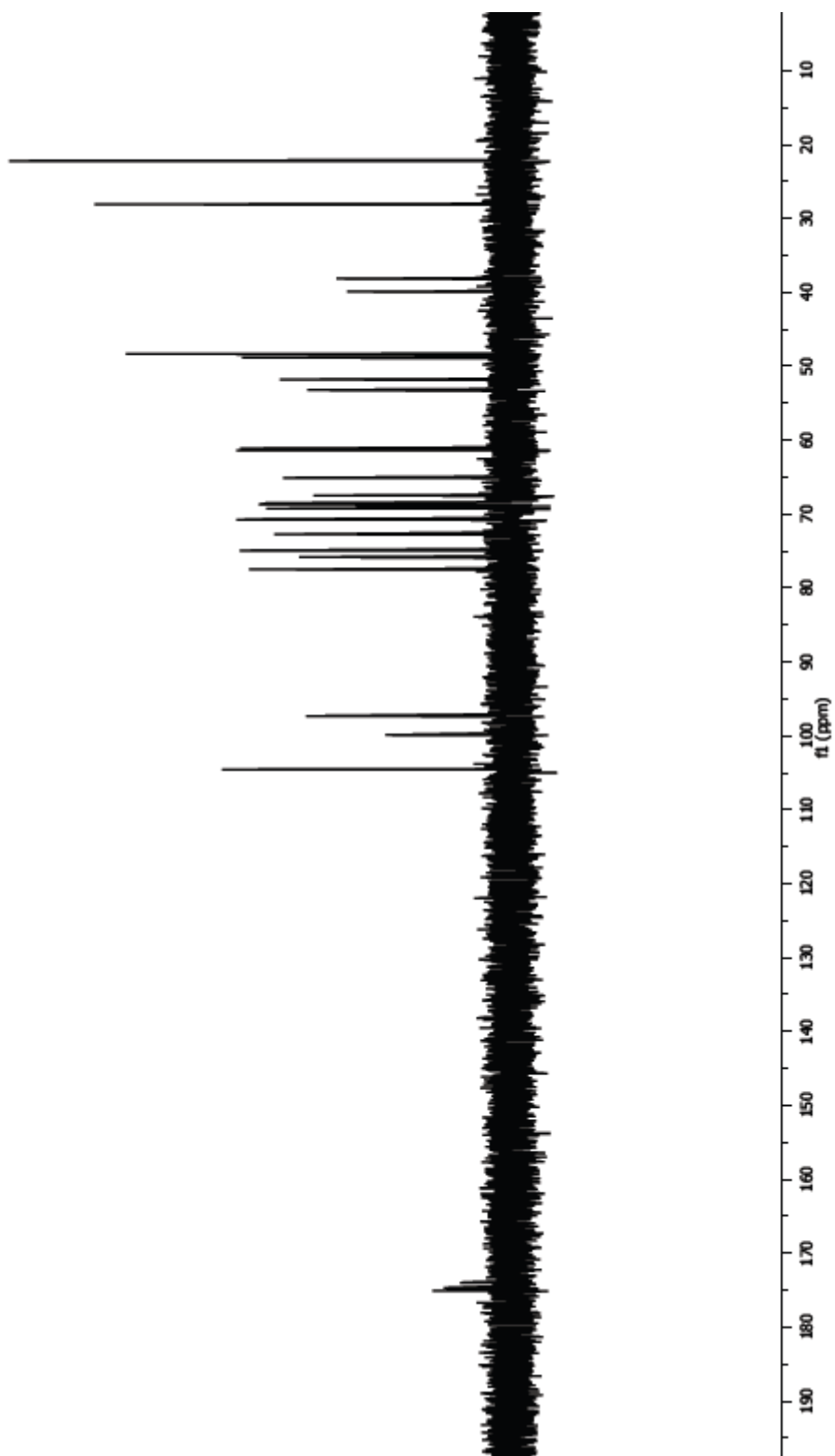
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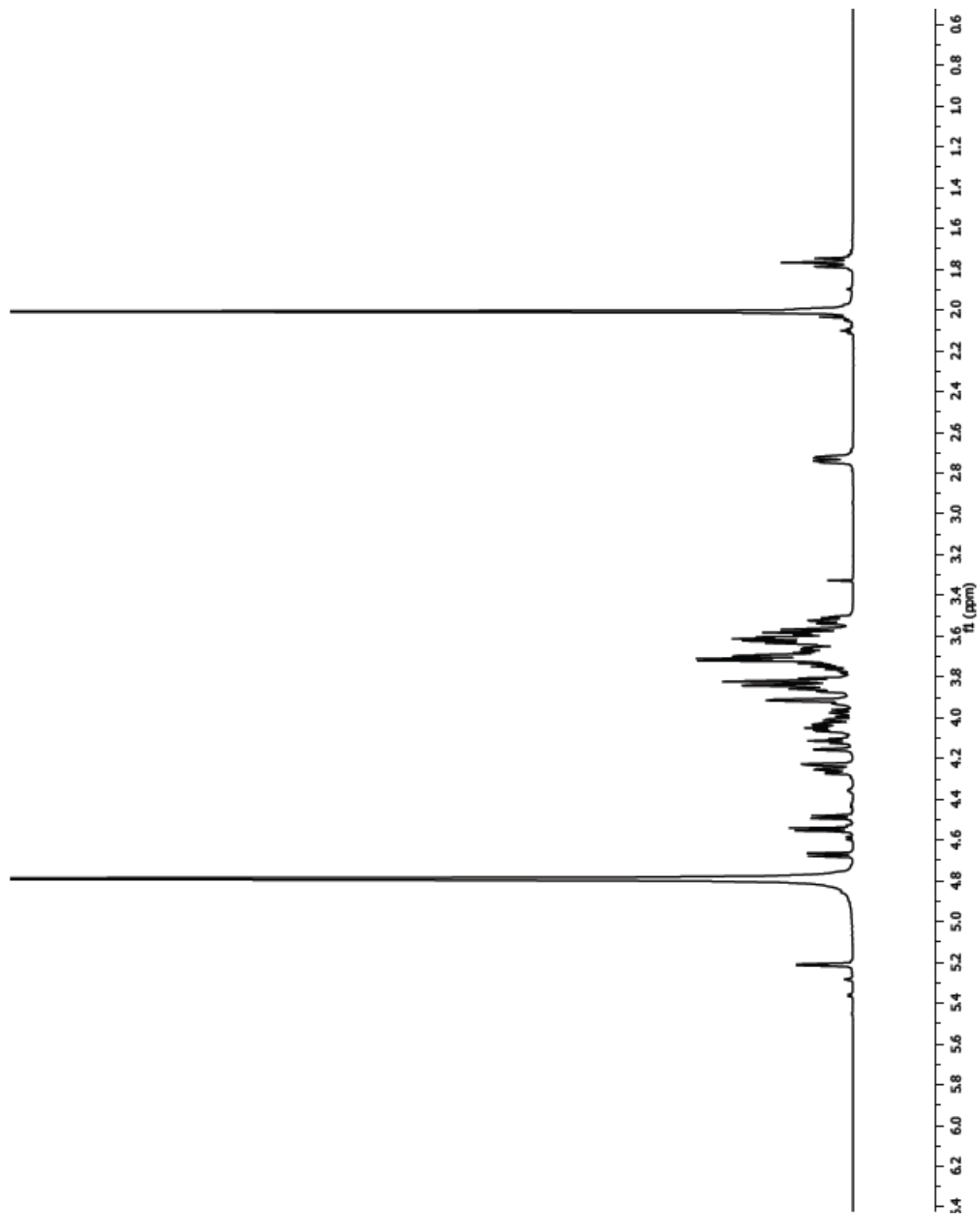
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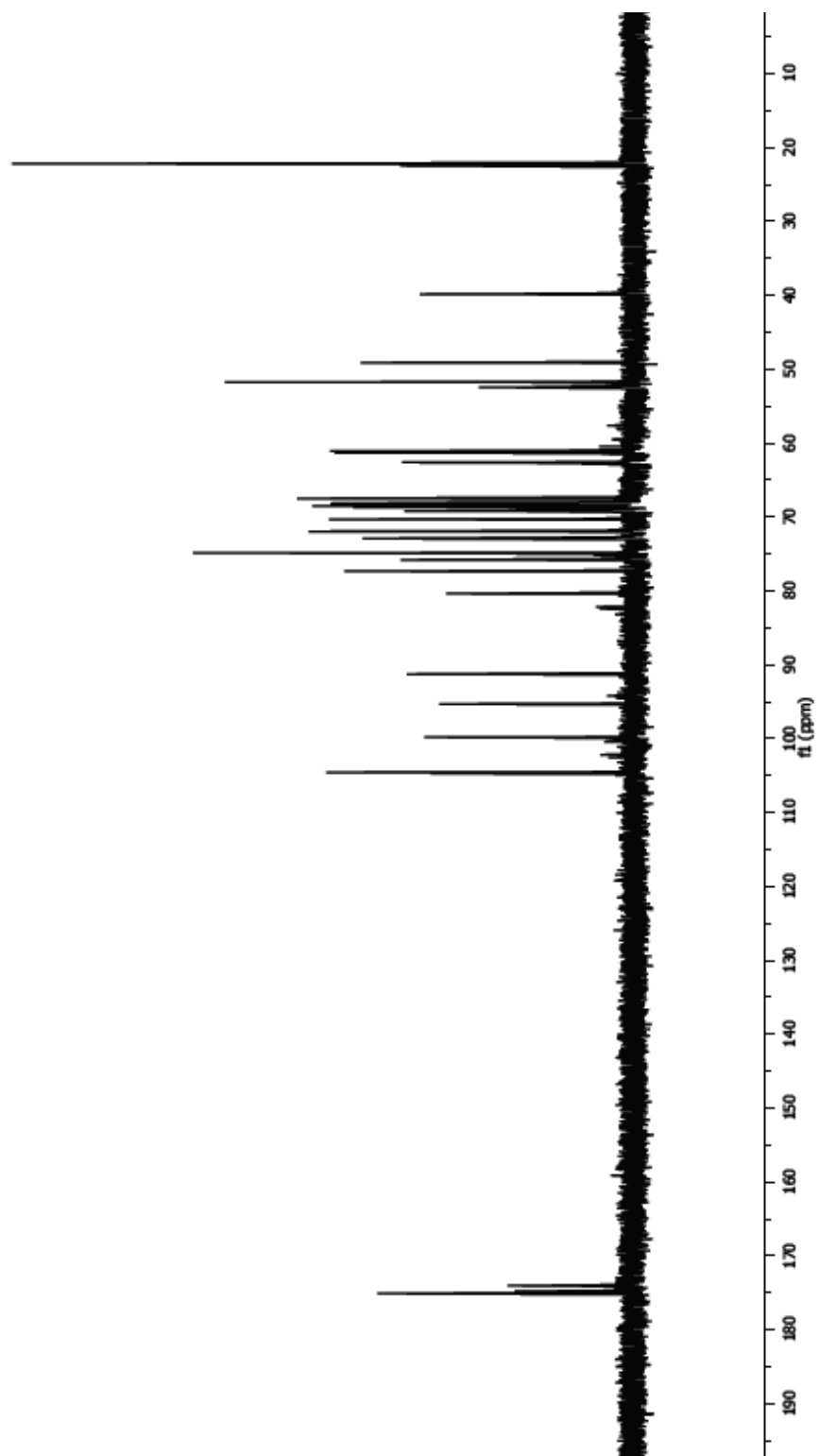
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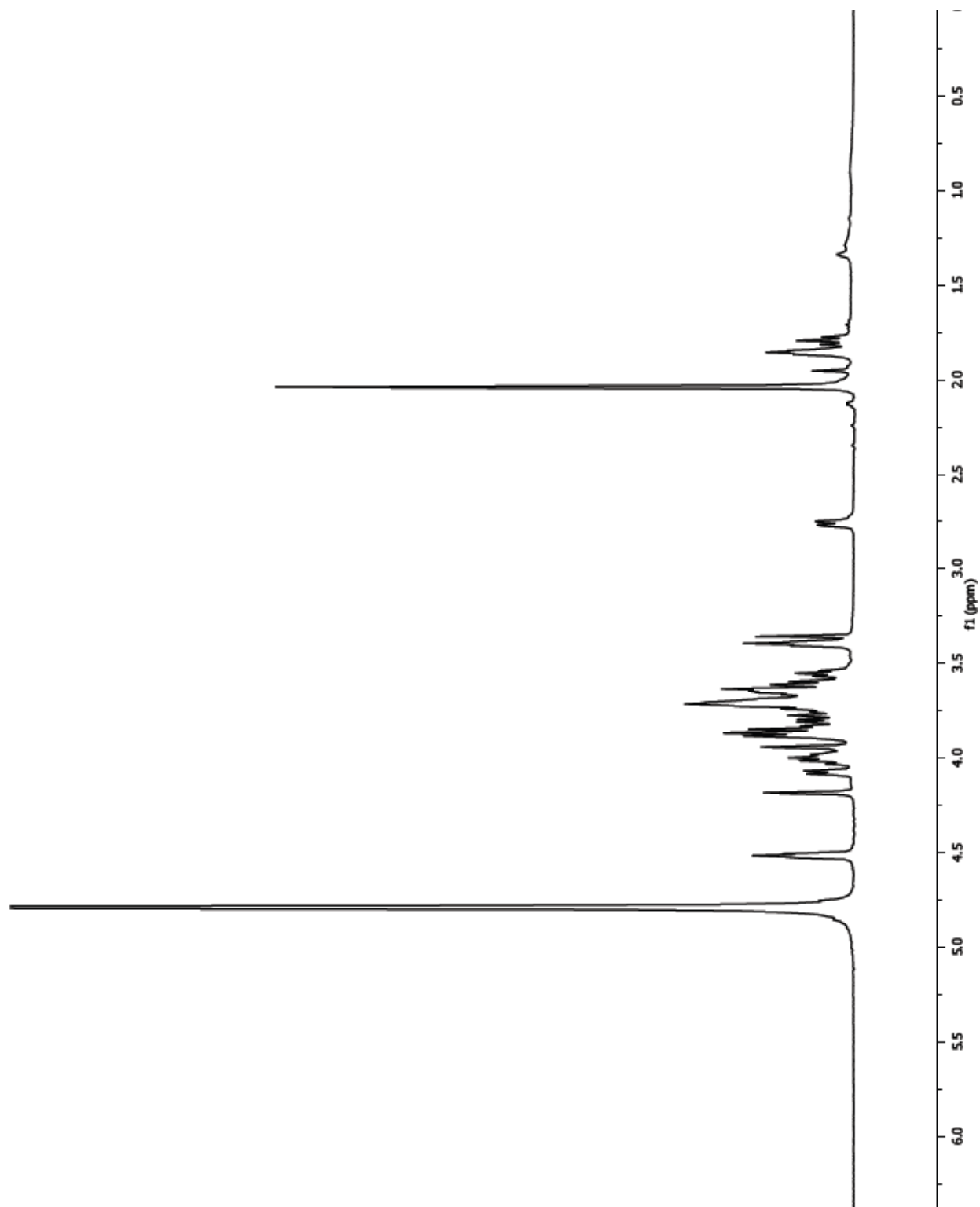
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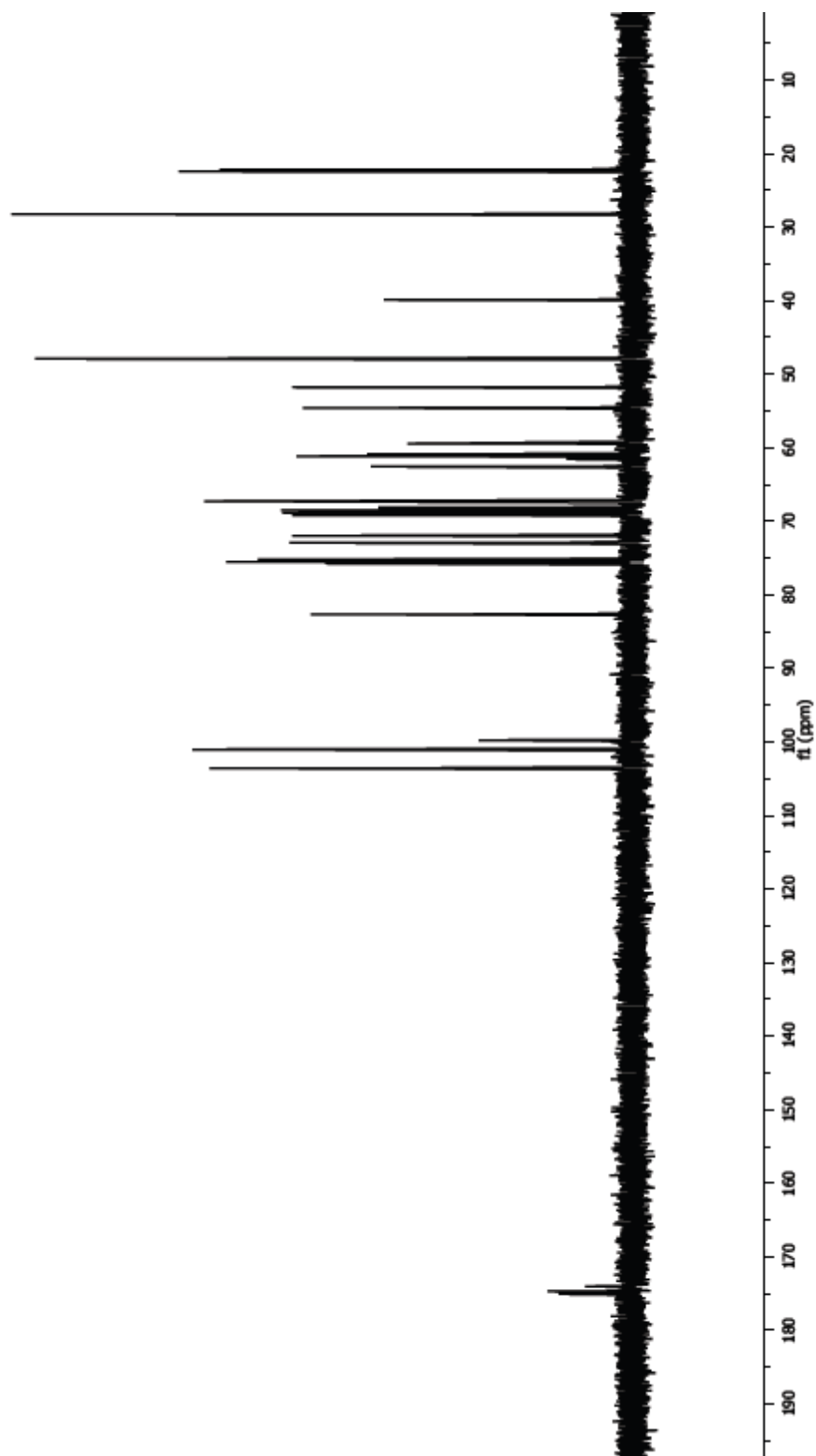
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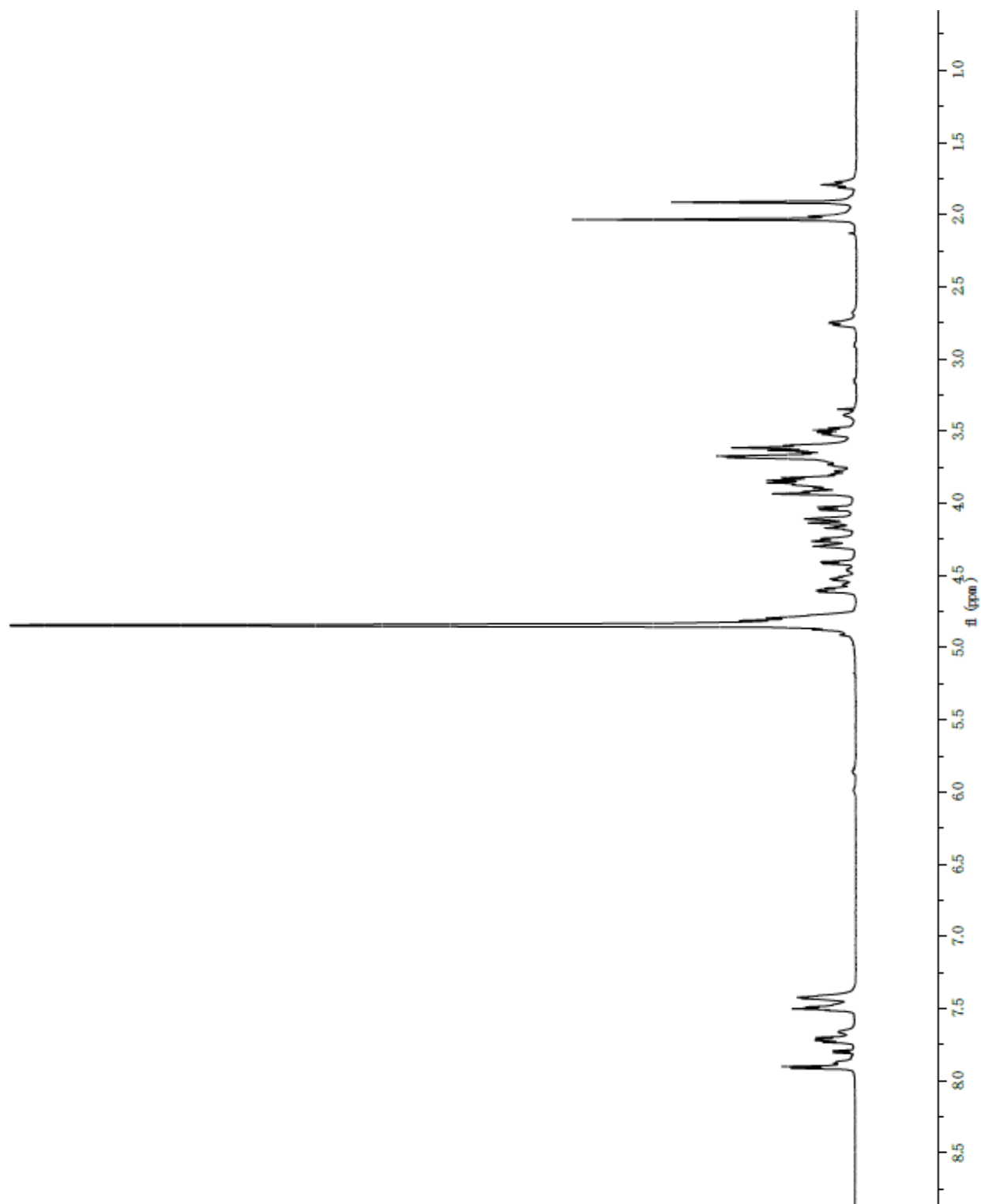
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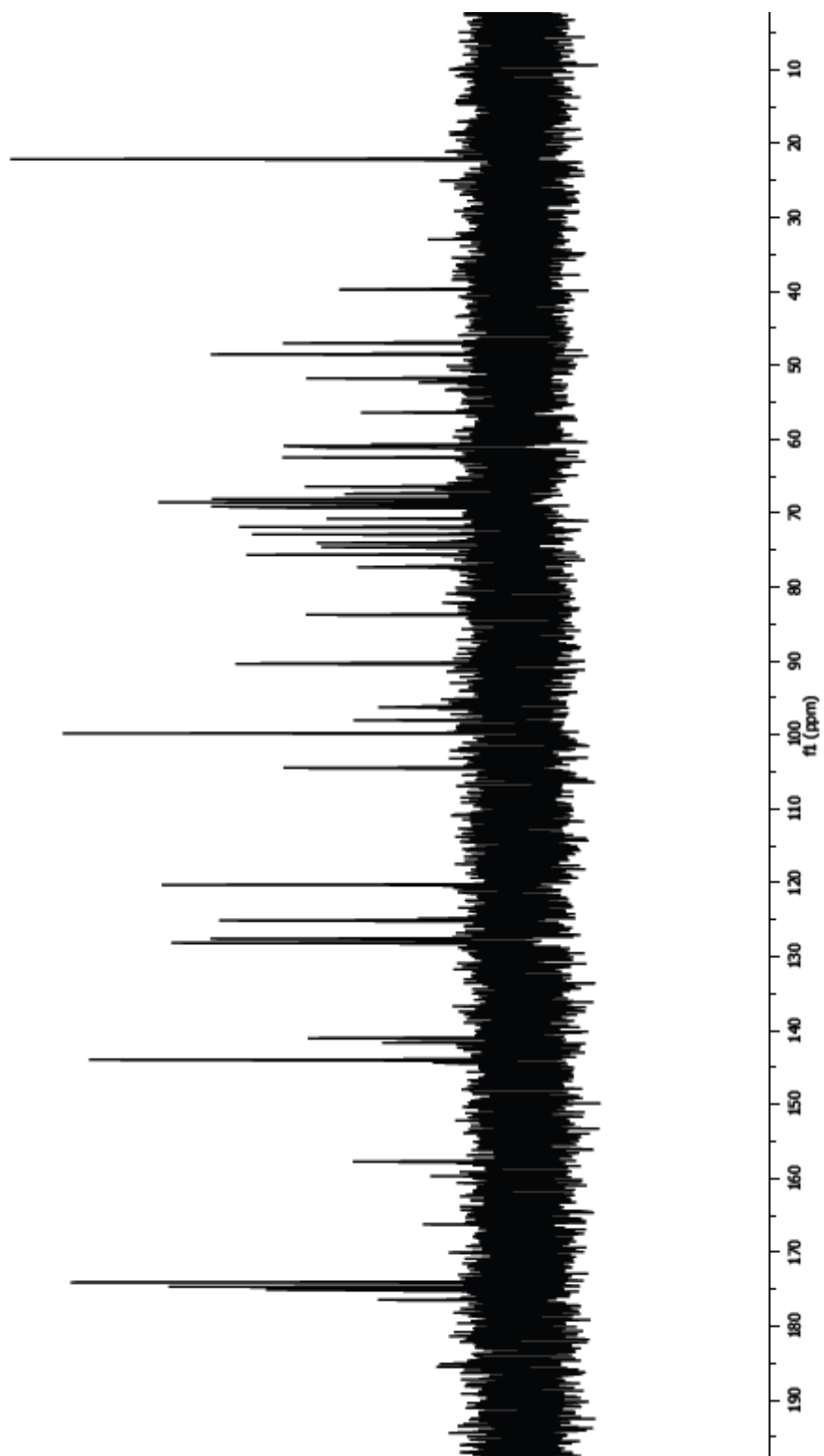
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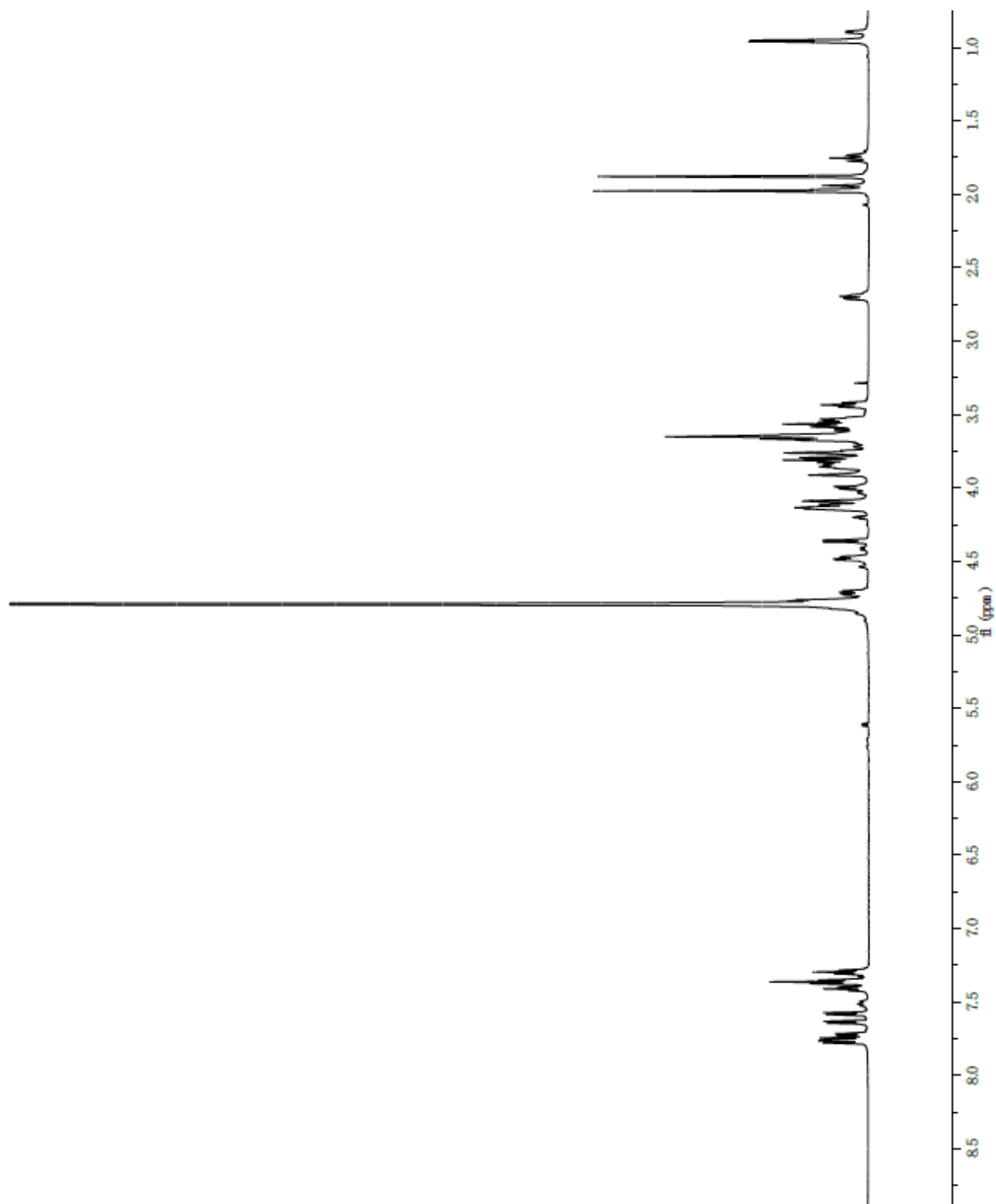
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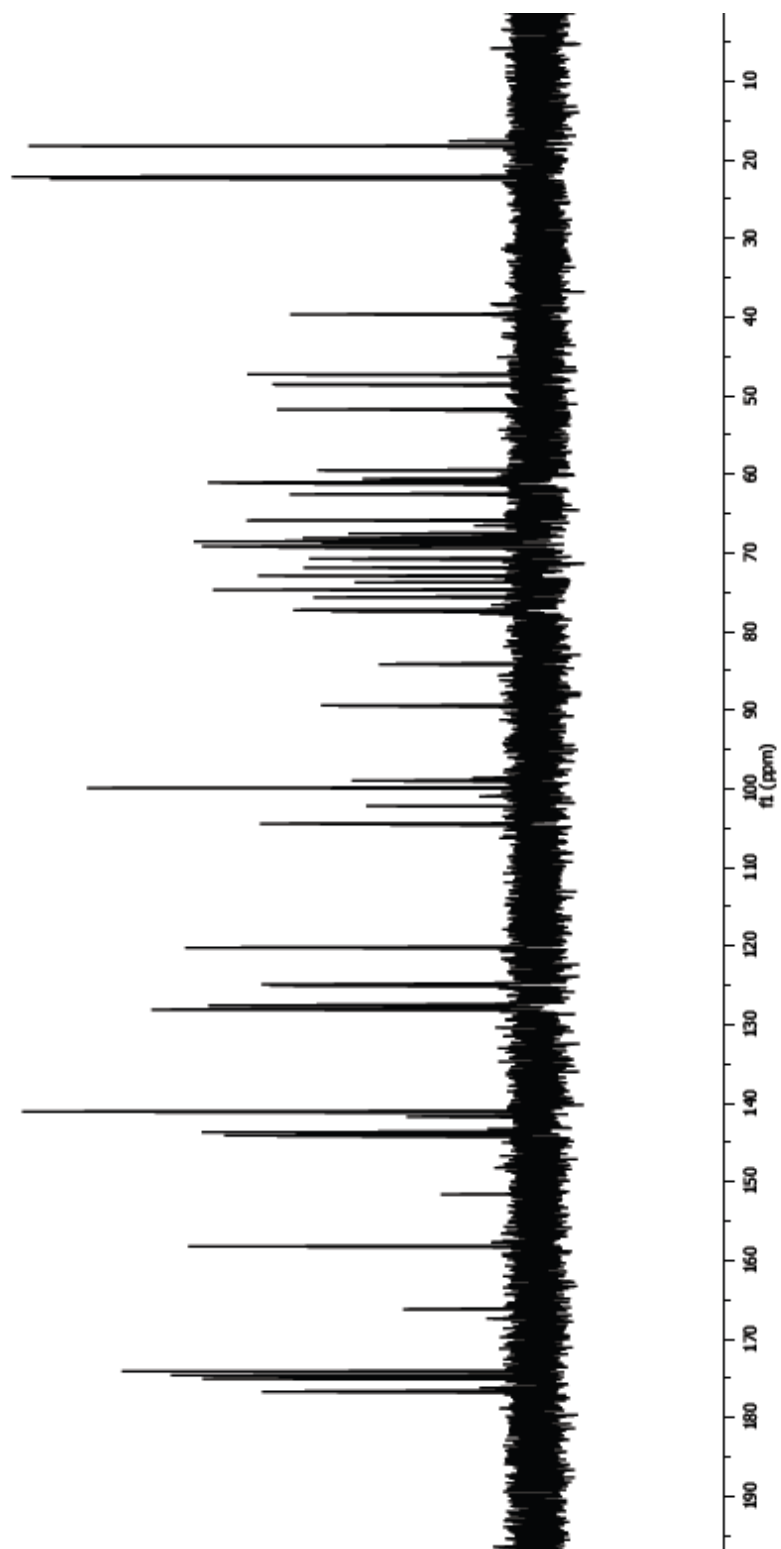
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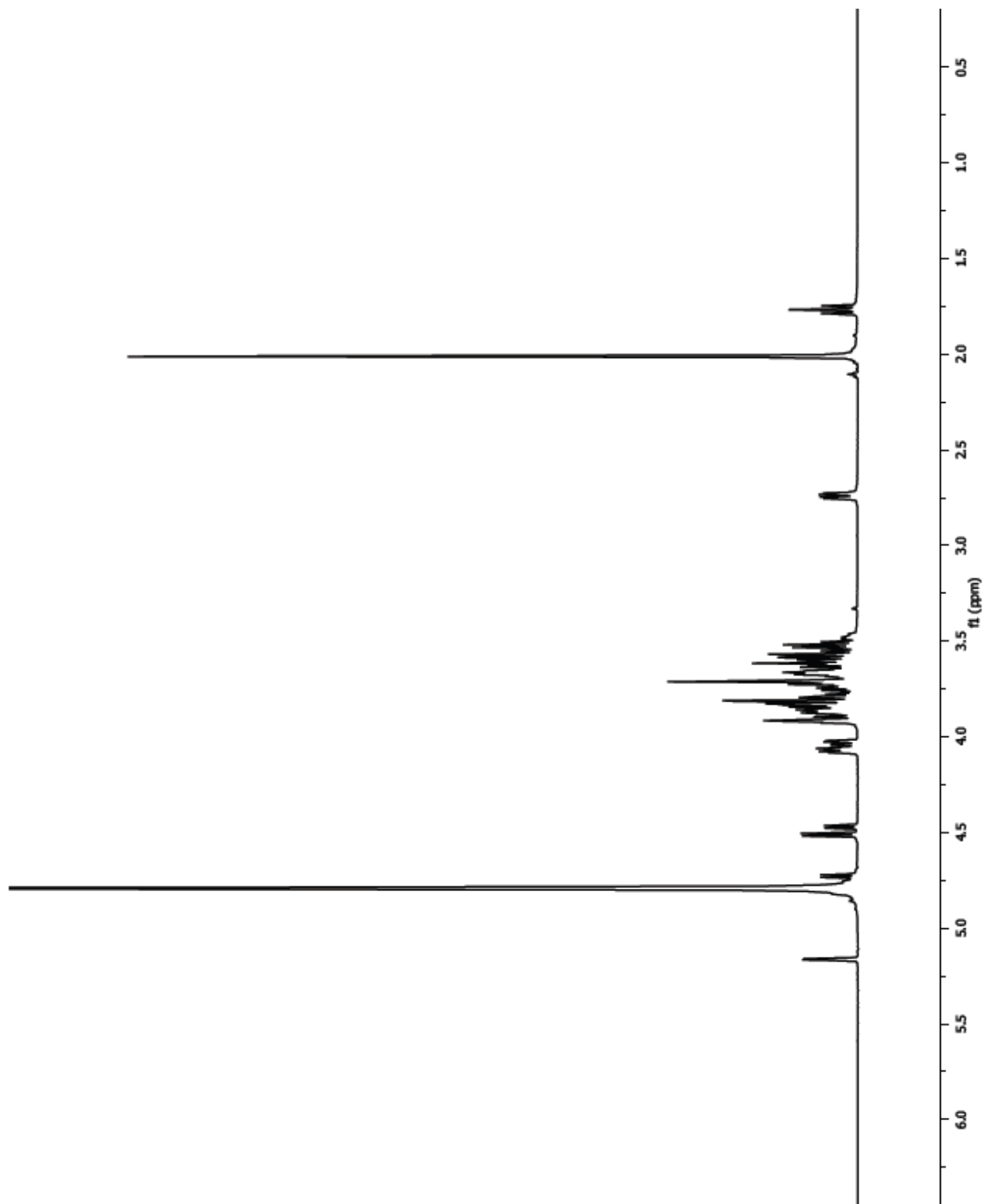
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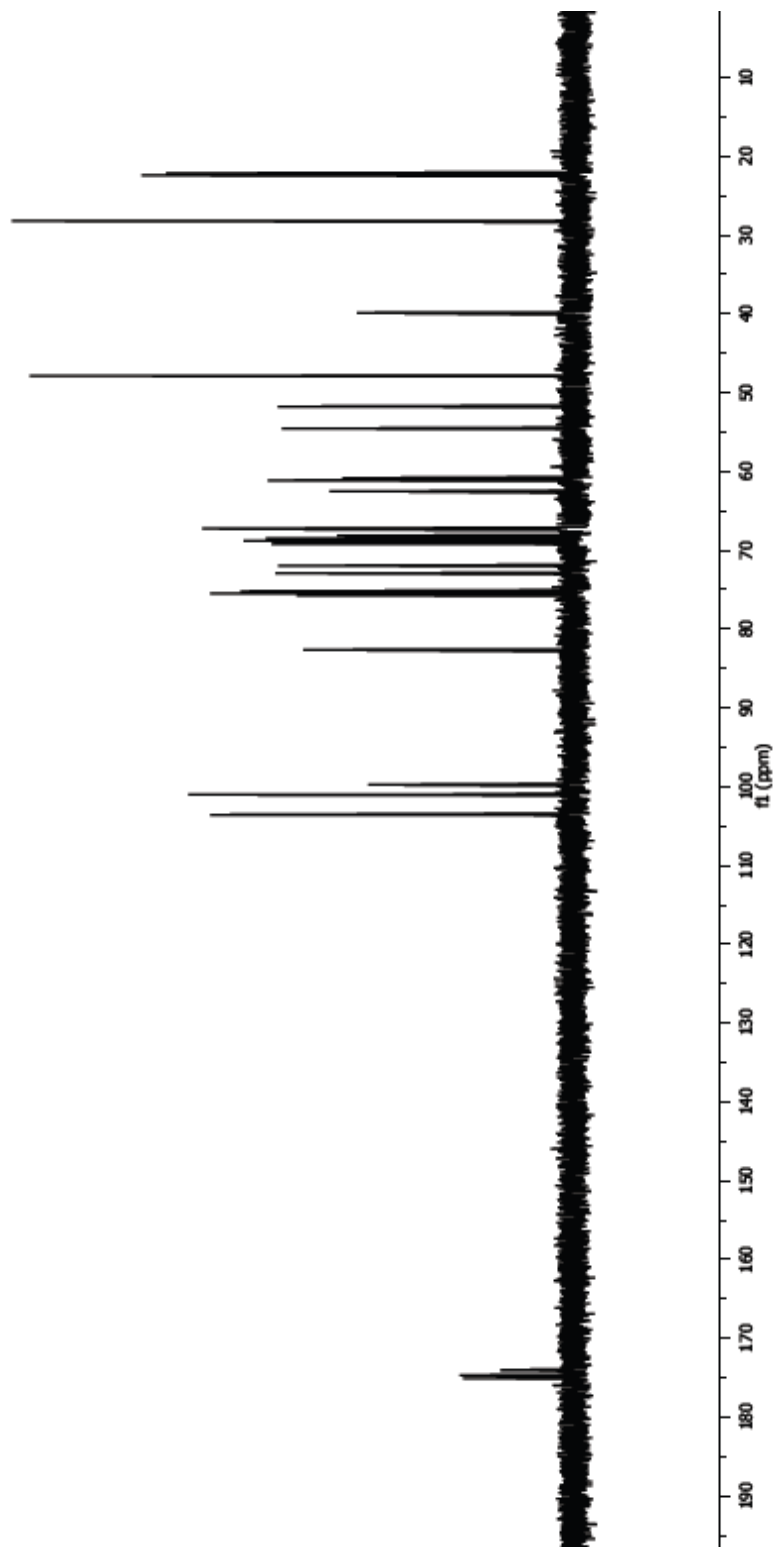
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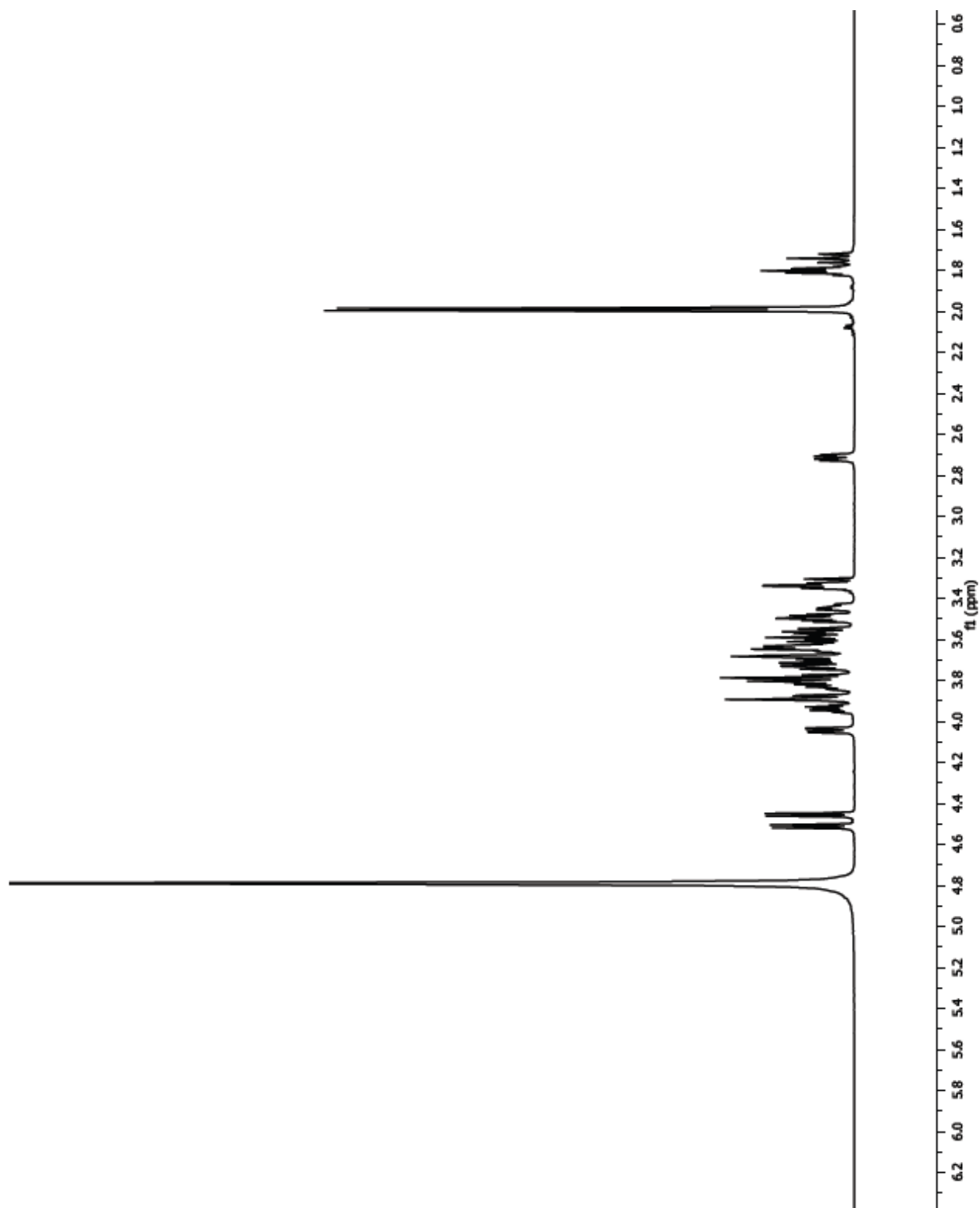
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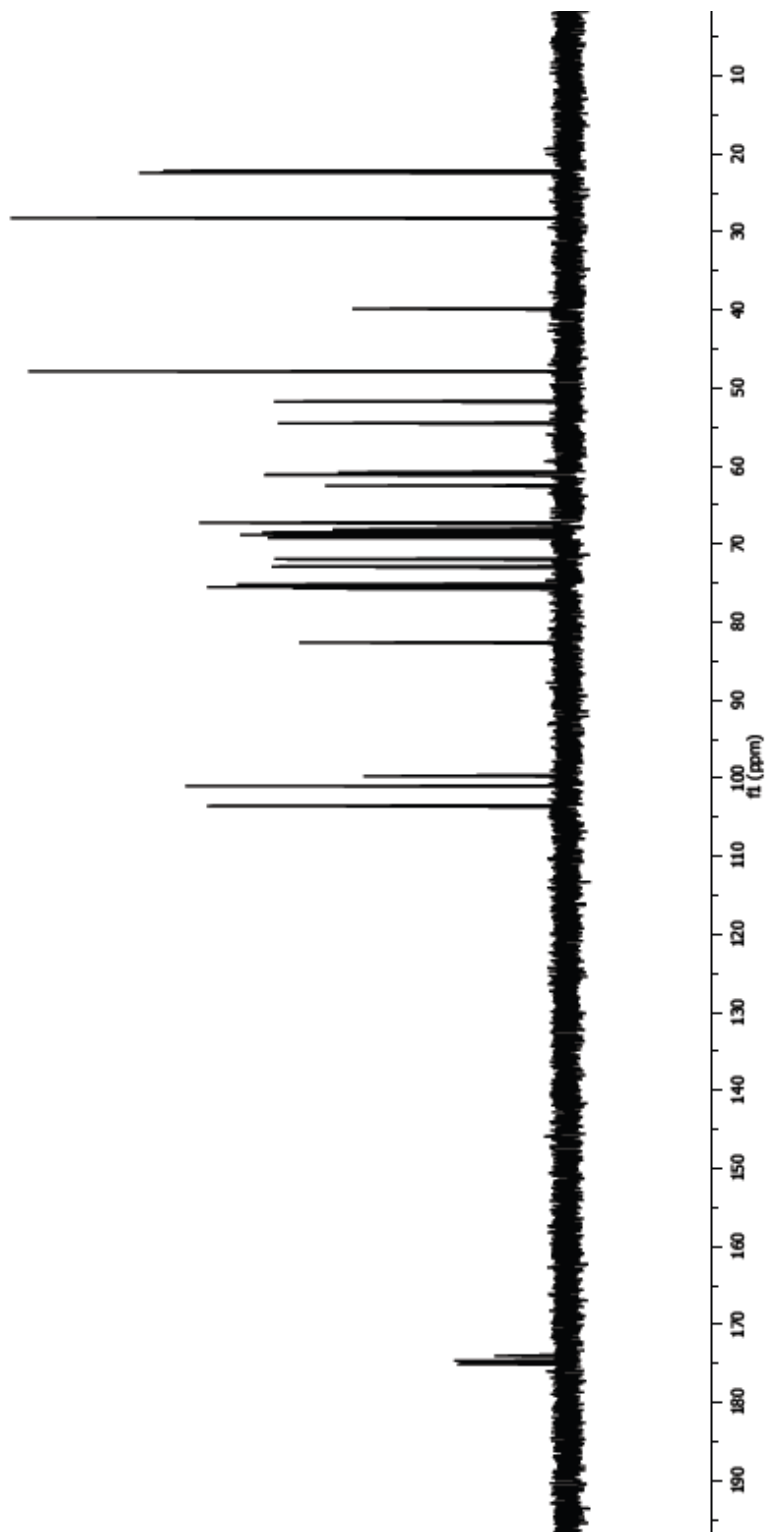
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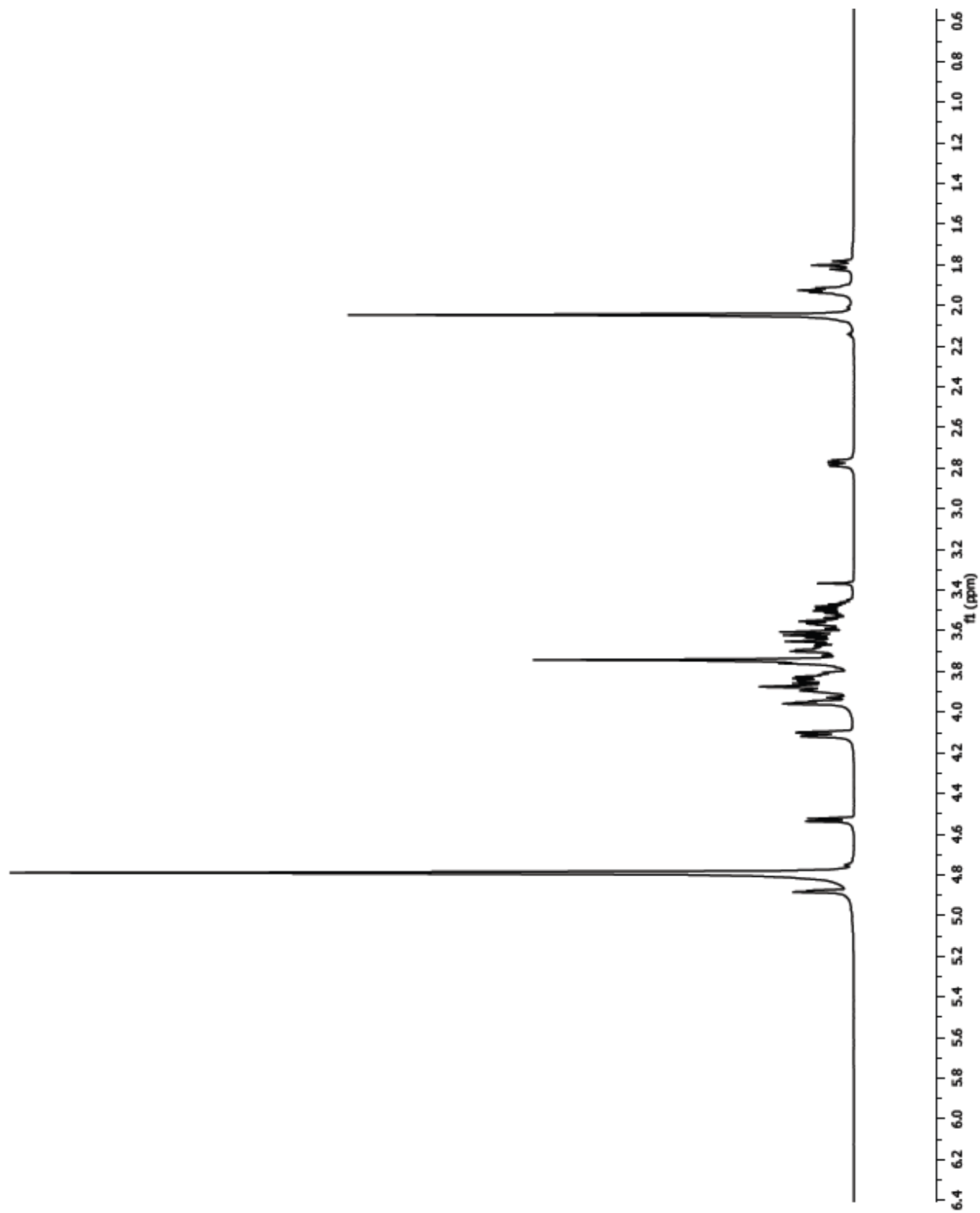
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^{13}C NMR of sialoside Neu5Ac α 2-3Gal β 1-3GlcNAc β ProN $_3$ **28**



^1H NMR of sialoside Neu5Ac α 2-3Gal β 1-3GlcNAc α ProN $_3$ **29**



^{13}C NMR of sialoside Neu5Ac α 2-3Gal β 1-3GlcNAc α ProN $_3$ **29**

