

Short Note

2-hydroxy-3-(4-oxy(2,2,6,6-tetramethylpiperidin-1-oxyl)butoxy)benzaldehyde

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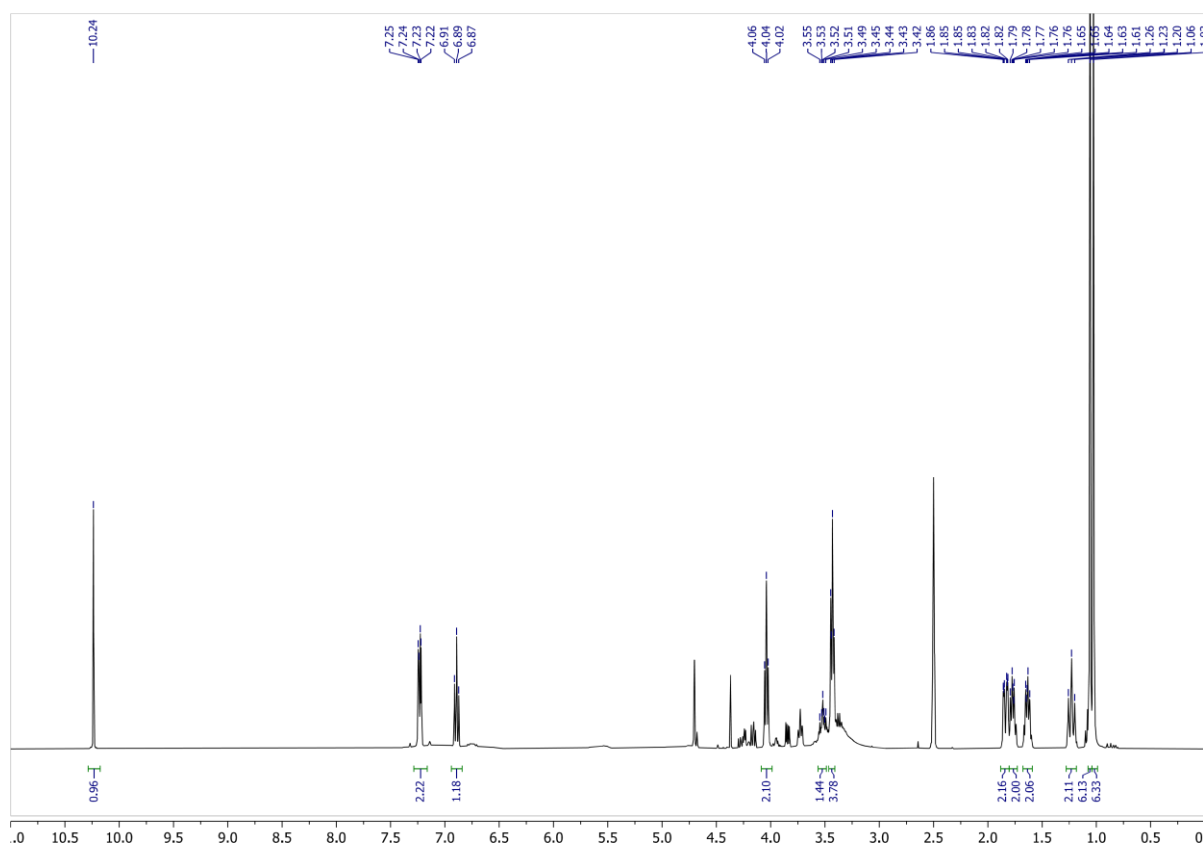
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2-hydroxy-3-(4-oxy(2,2,6,6-tetramethylpiperidin-1-oxyl)butoxy)benzaldehyde named as **1** below.

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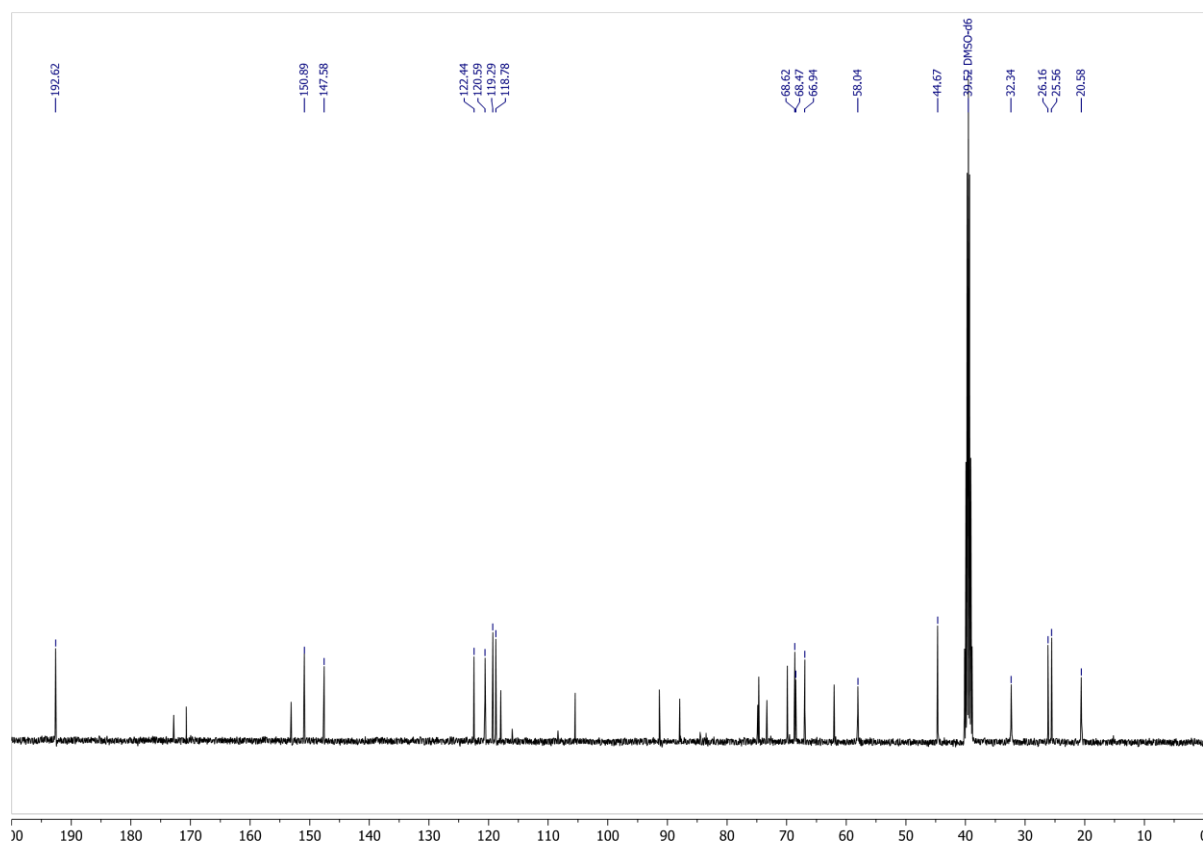
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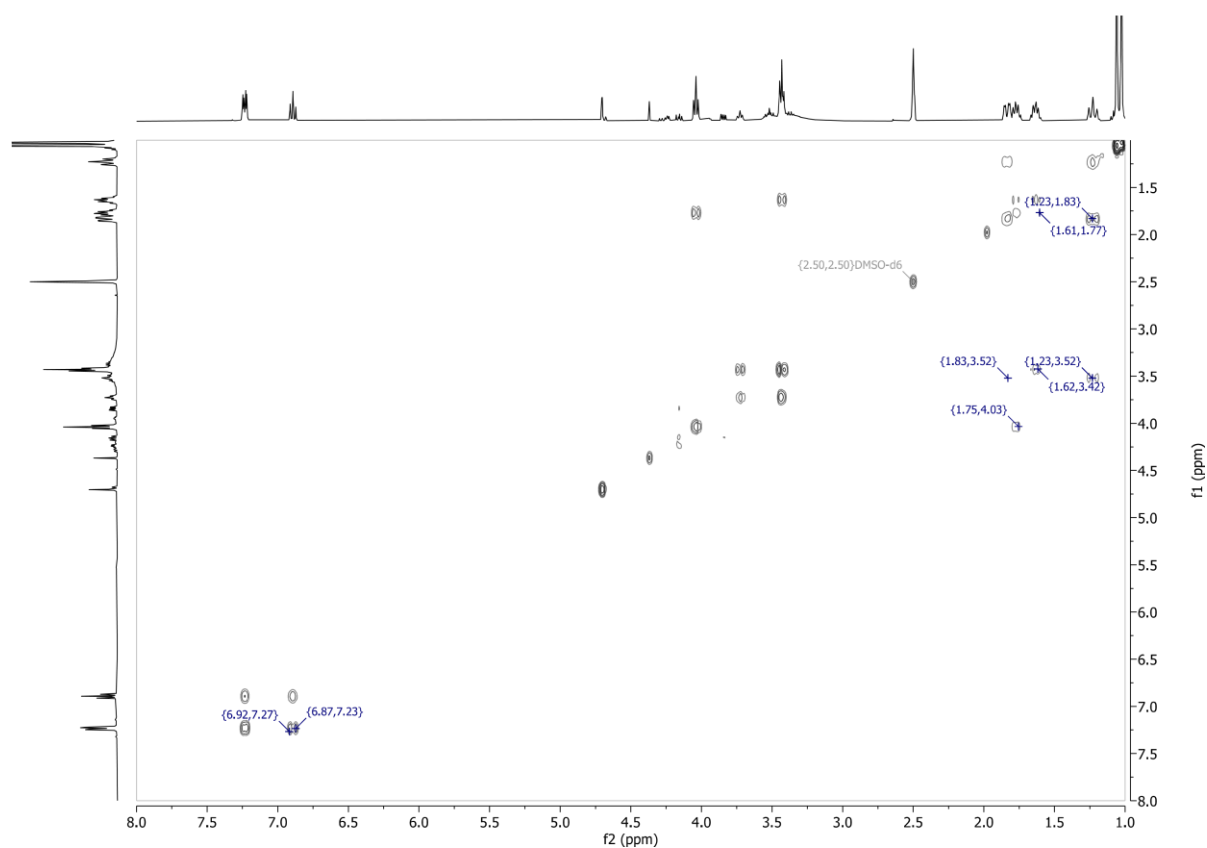
Figure 1. ^1H -NMR spectrum of **1**, CDCl_3 , 400 MHz.



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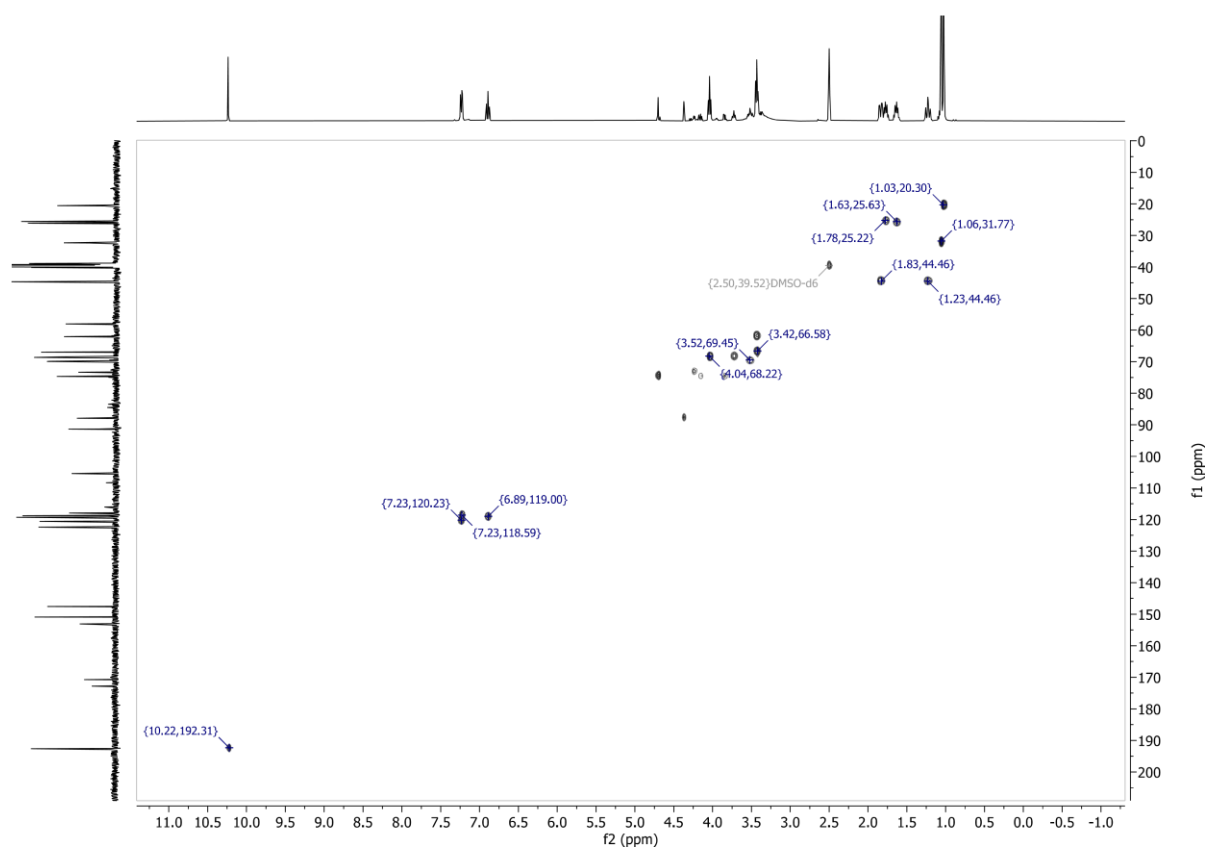
Figure 2. ^{13}C -NMR spectrum of **1**, CDCl_3 , 400 MHz.



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Figure 3. COSY-NMR spectrum of **1**, CDCl₃, 400 MHz.



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Figure 4. HSQC-NMR spectrum of **1**, CDCl₃, 400 MHz.

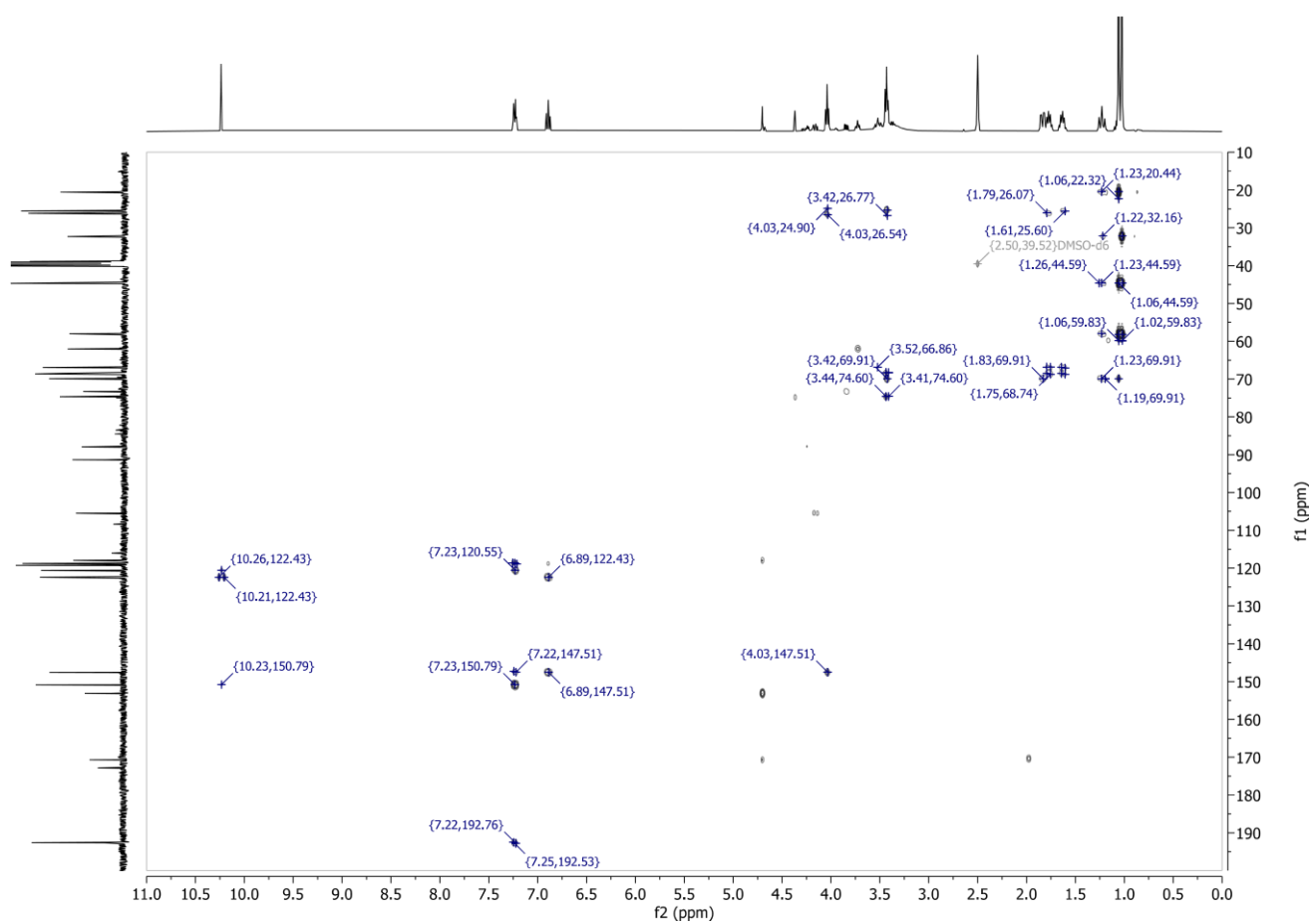
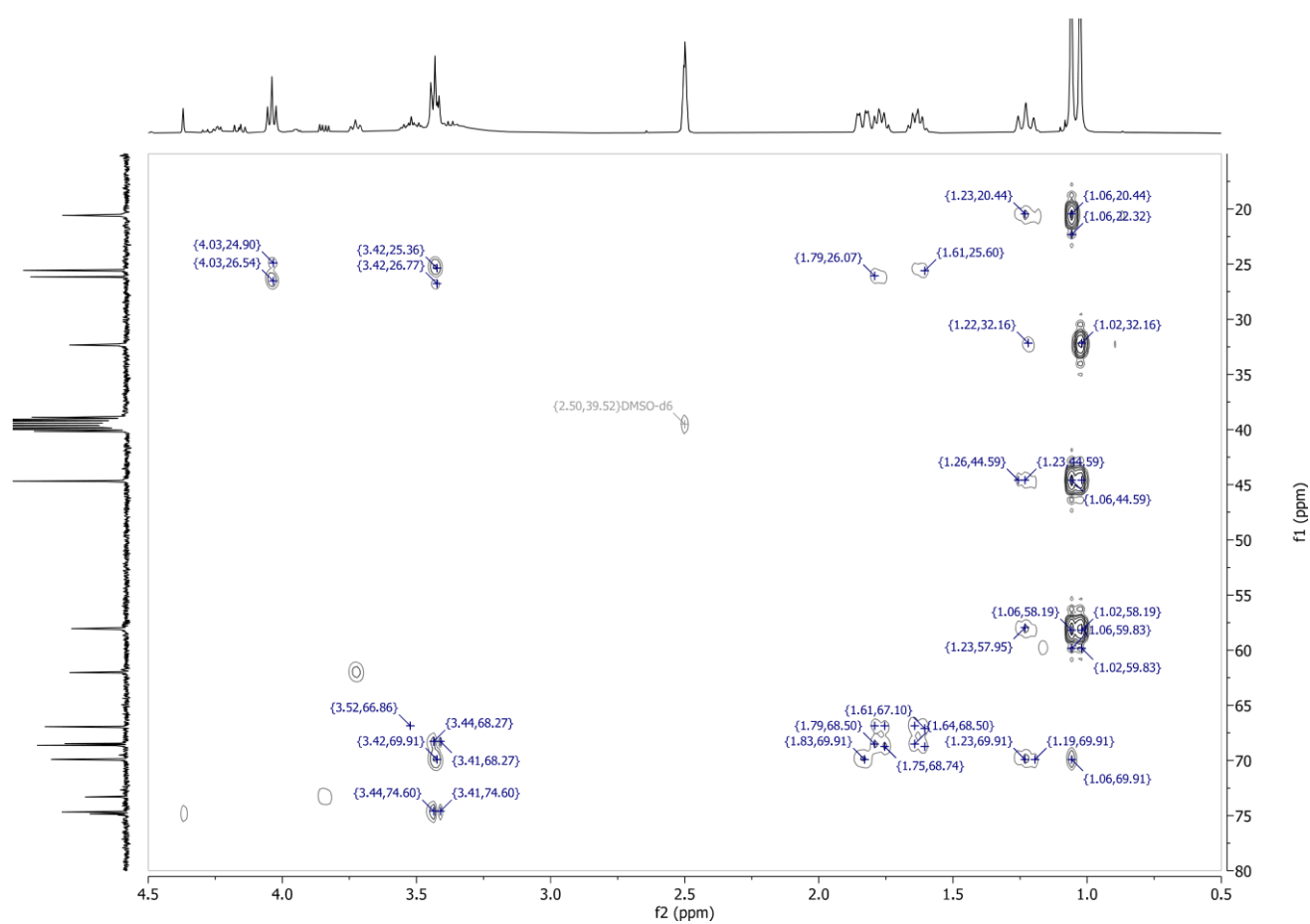
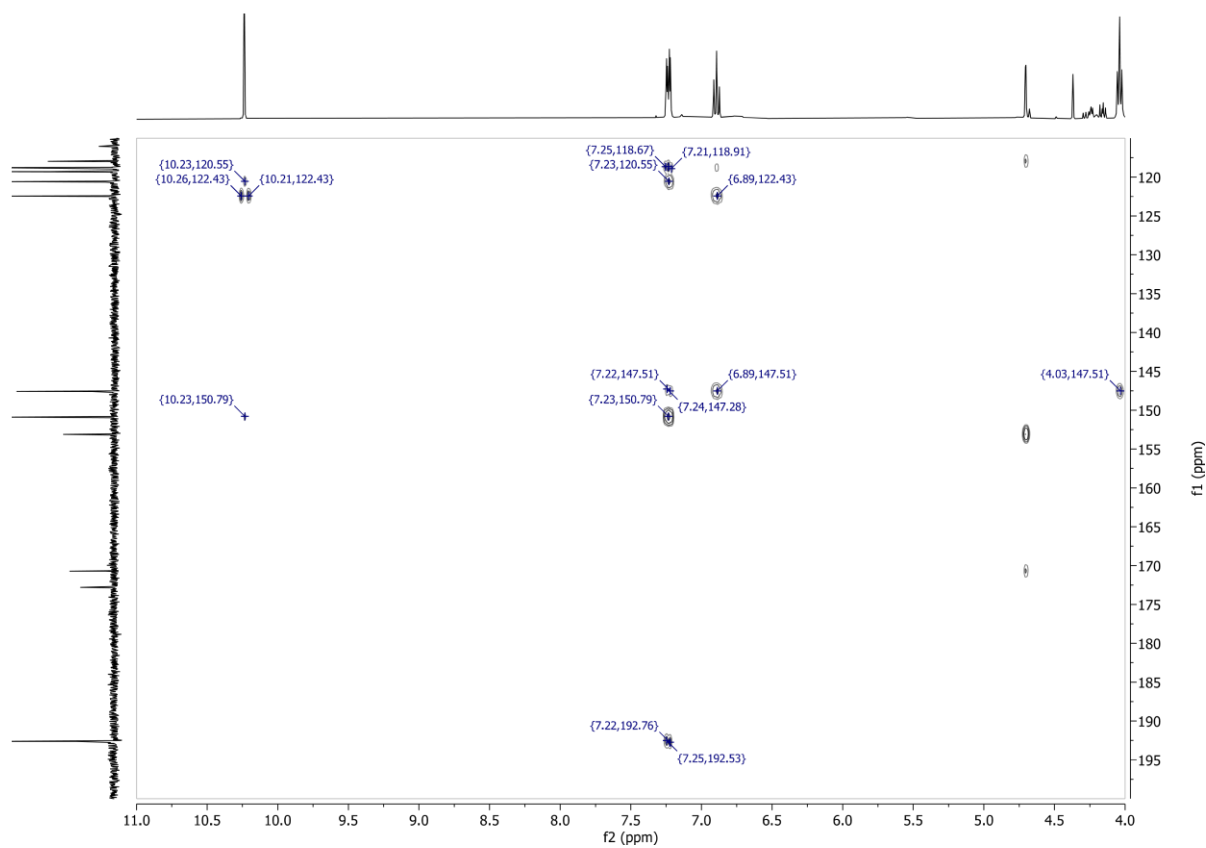


Figure 5. HMBC-NMR spectrum of 1, CDCl₃, 400 MHz.



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Figure 6. Zoomed HSQC-NMR spectrum of **1**, CDCl₃, 400 MHz.

Display Report

Analysis Info

Analysis Name D:\Data\Work\2021\May\18\VAA_38.d
Method tune_wide_pos.m
Sample Name
Comment

Acquisition Date 18-May-21 09:35:31

Operator BDAL@DE
Instrument / Ser# maXis 62

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Active			Set Dry Heater	180 °C
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Scan End	2000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Source

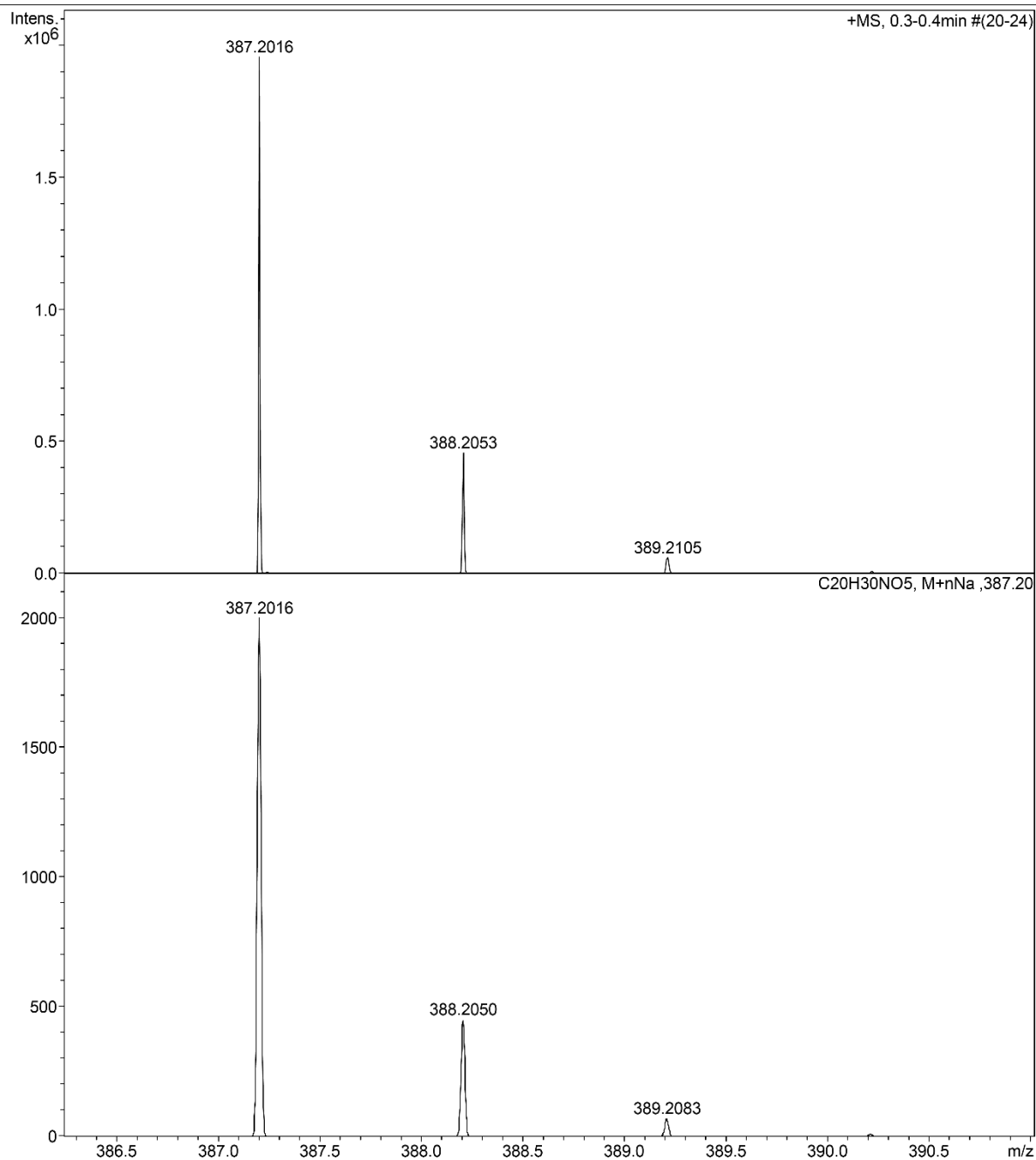
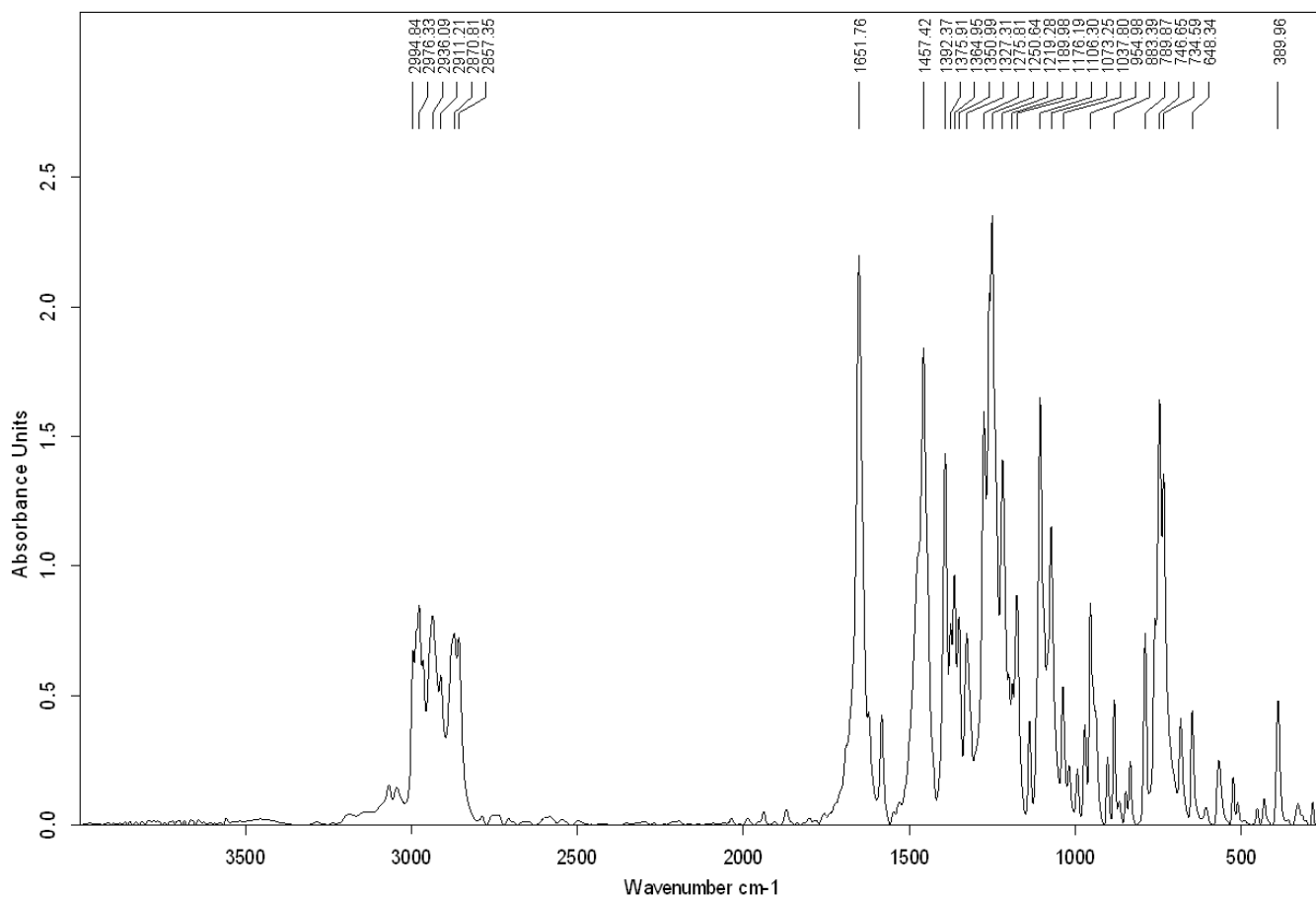


Figure 7. ESI-HRMS spectrum of 1.



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Figure 8. FTIR spectrum of 1, KBr.