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SUPPORTING INFORMATION

Improved preparation of 4(5)-aryl-2-(β-D-glucopyranosyl)-imidazoles, the most efficient glucose analogue inhibitors of glycogen phosphorylase

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Copies of NMR spectra of the prepared compounds.

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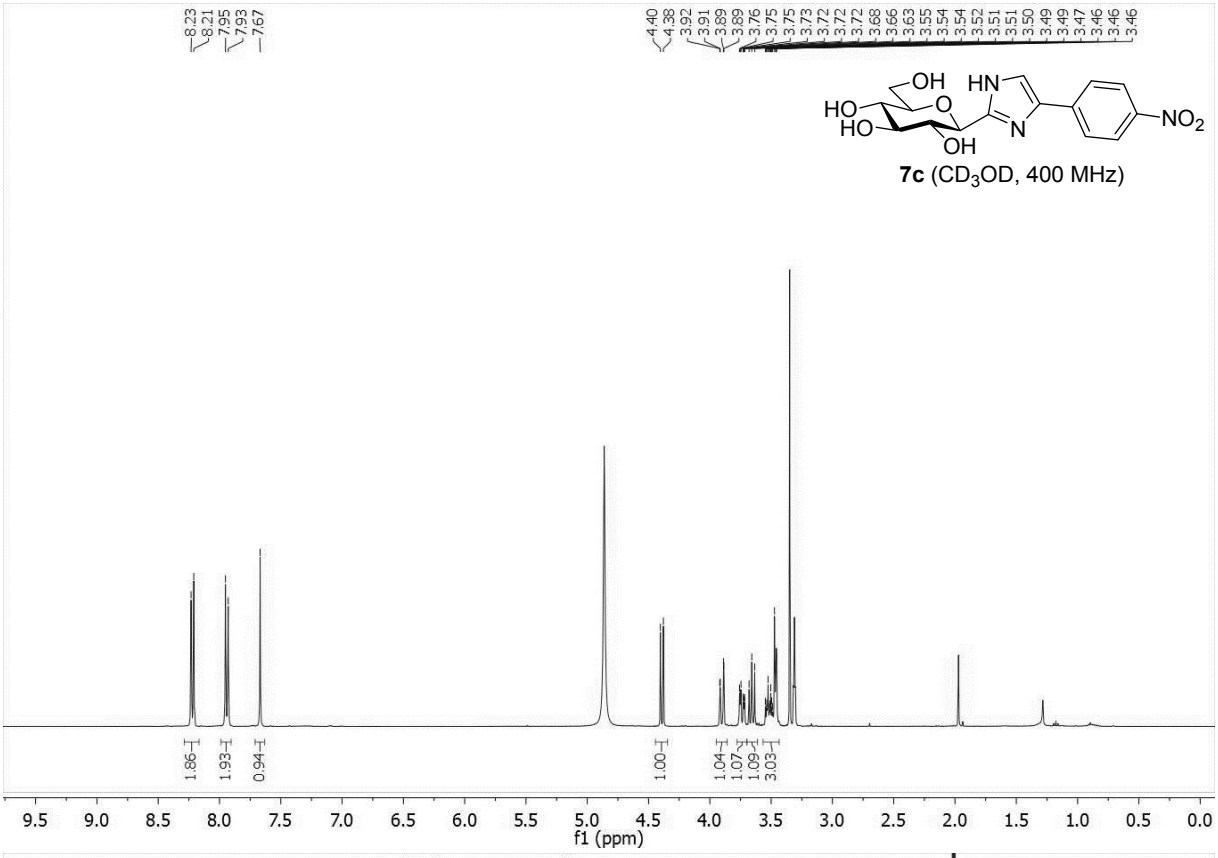
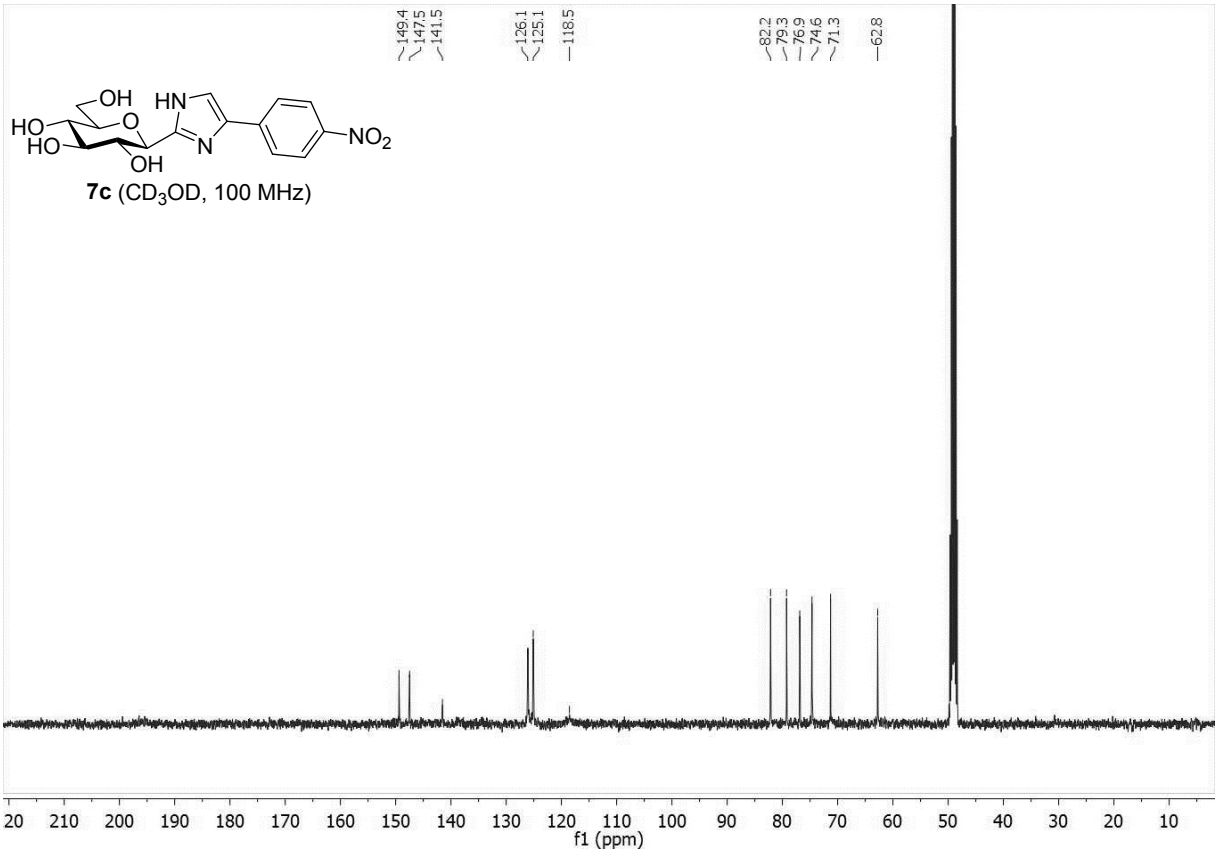


7c (CD_3OD, 400 MHz)



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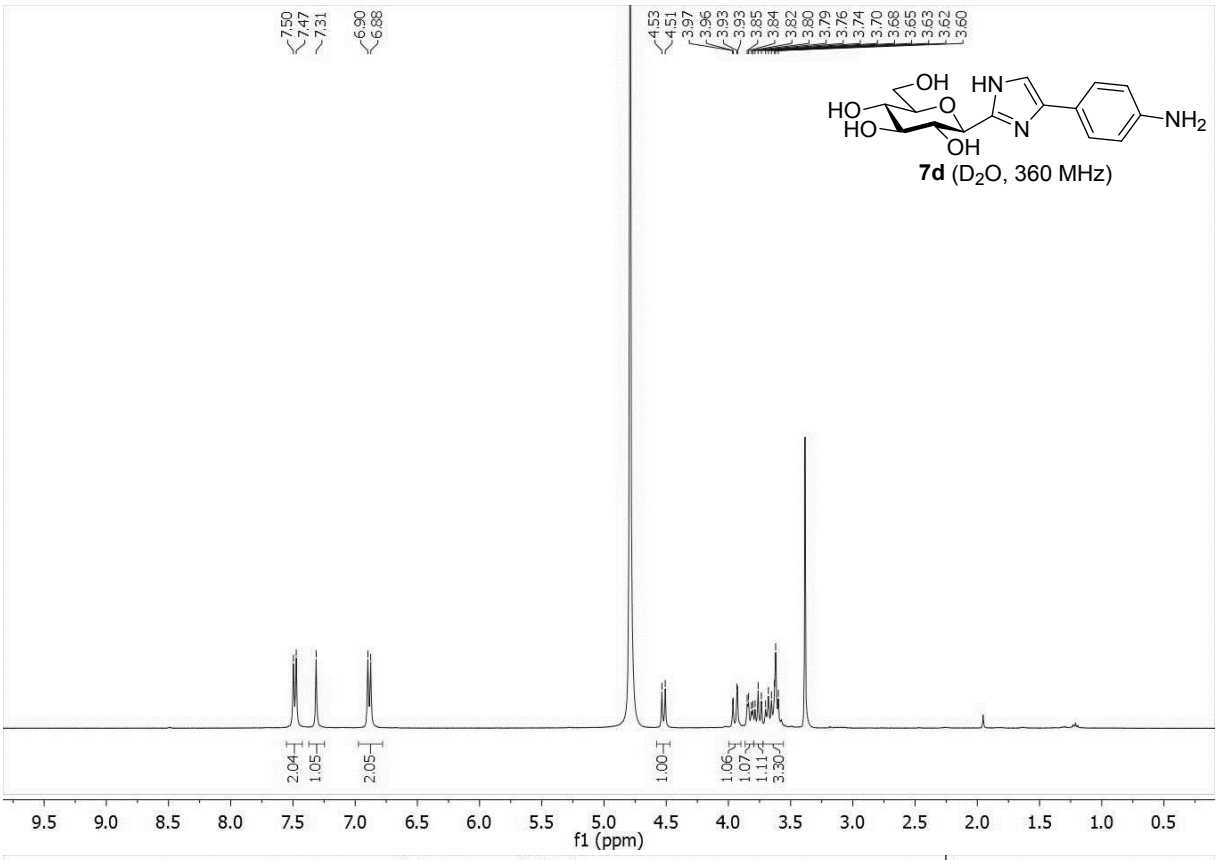
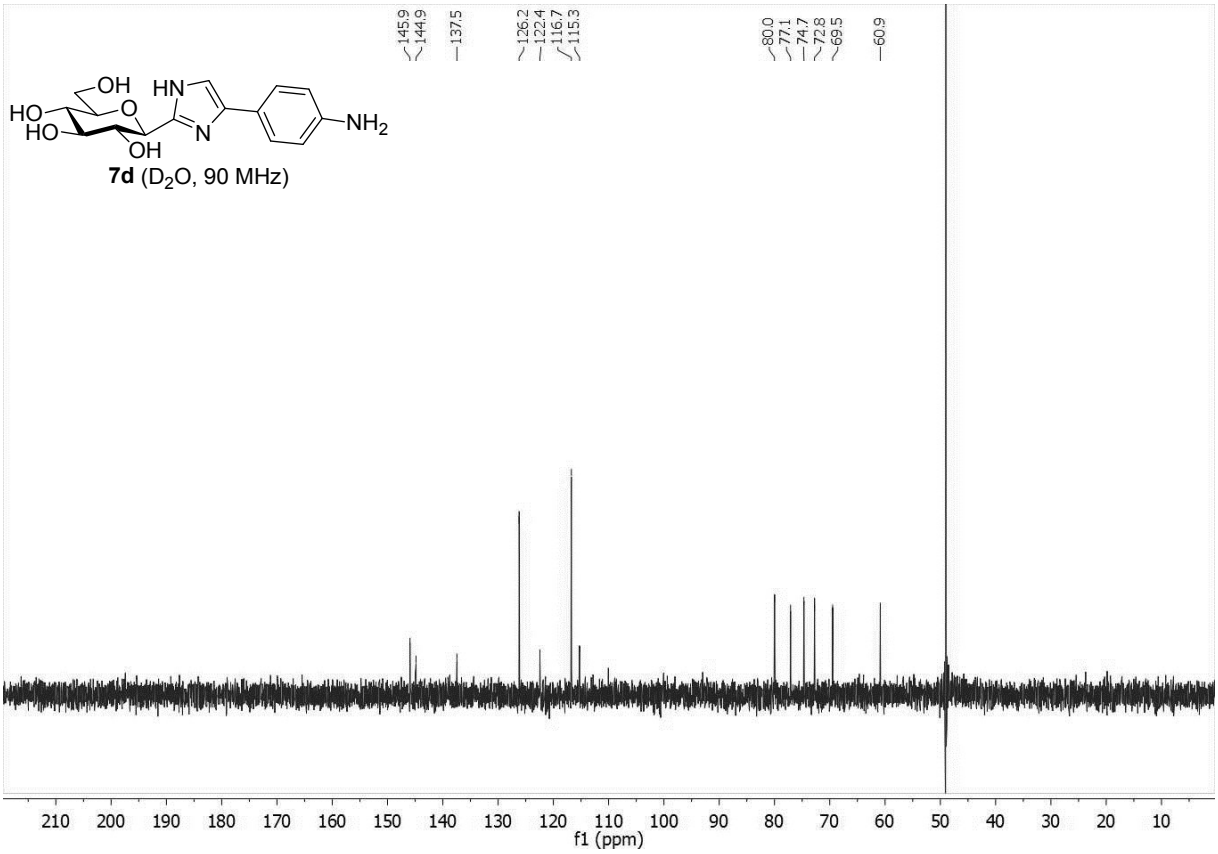
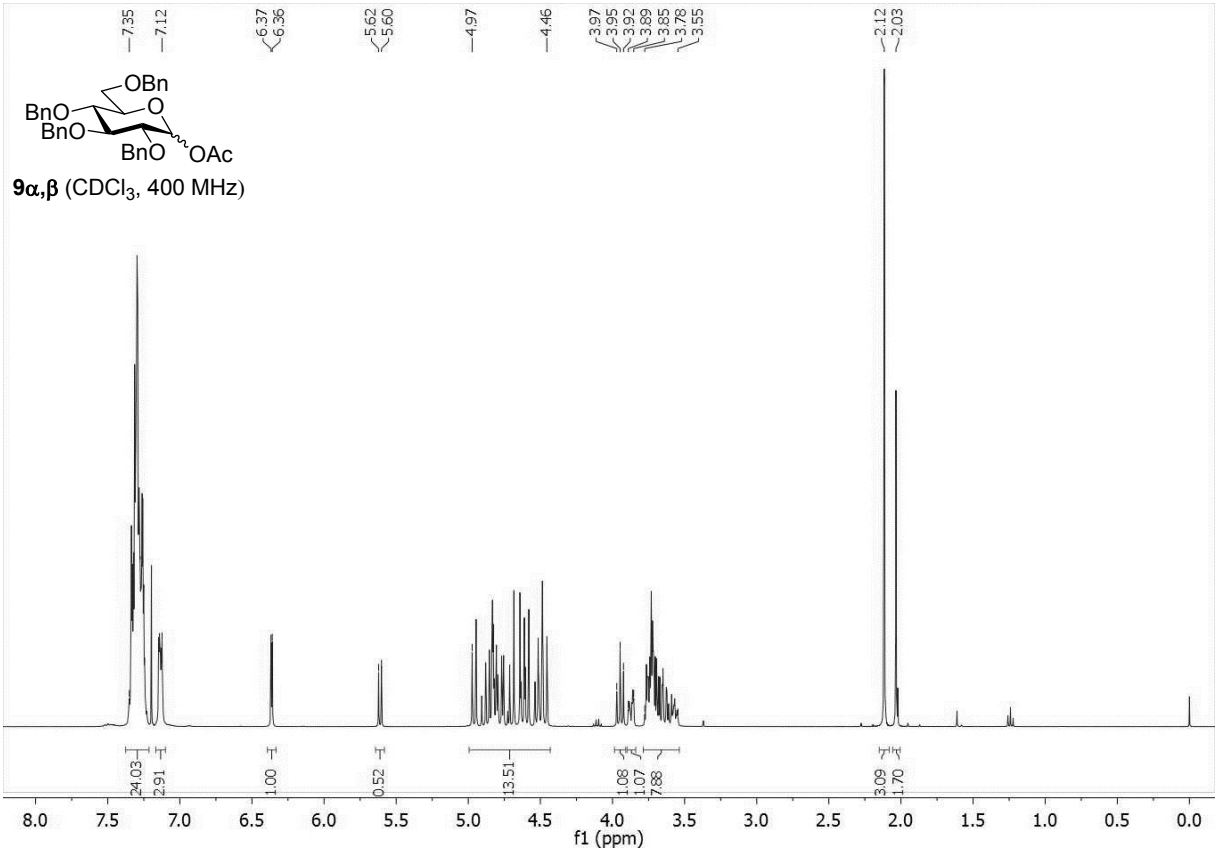


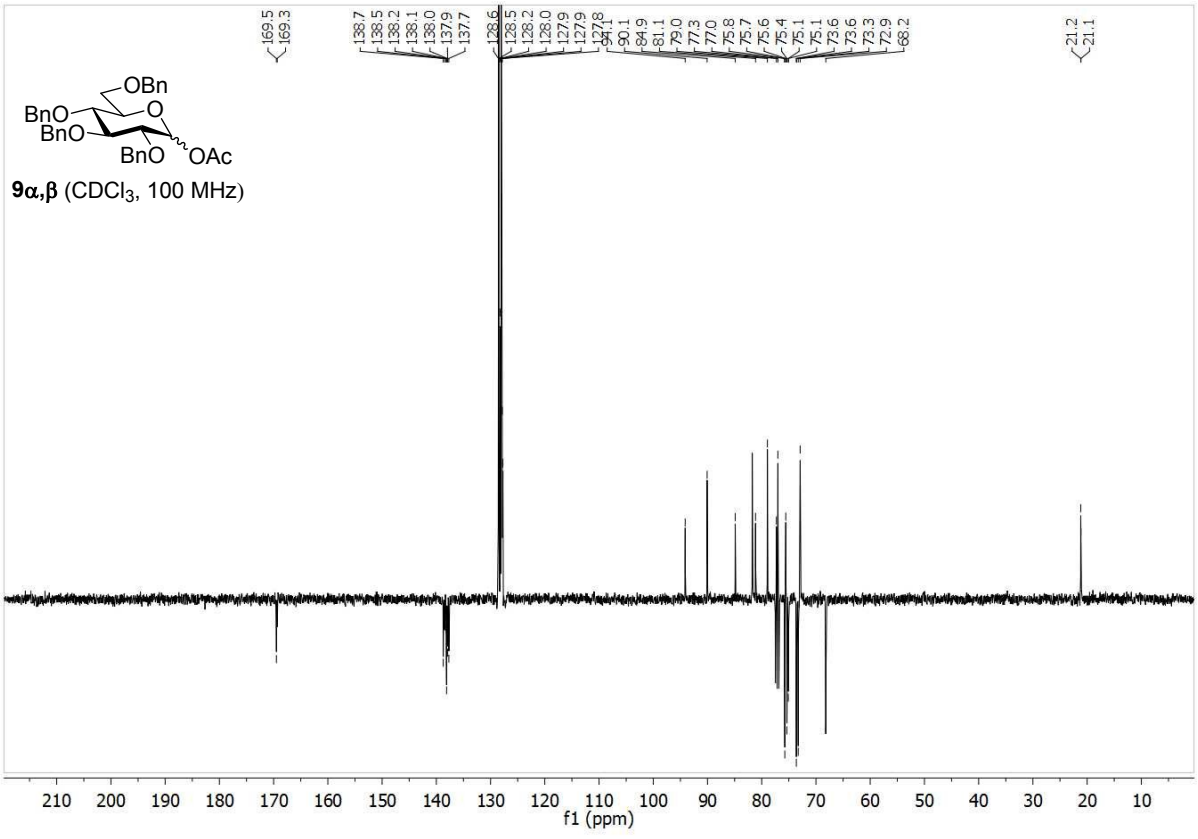
7d (D_2O, 360 MHz)



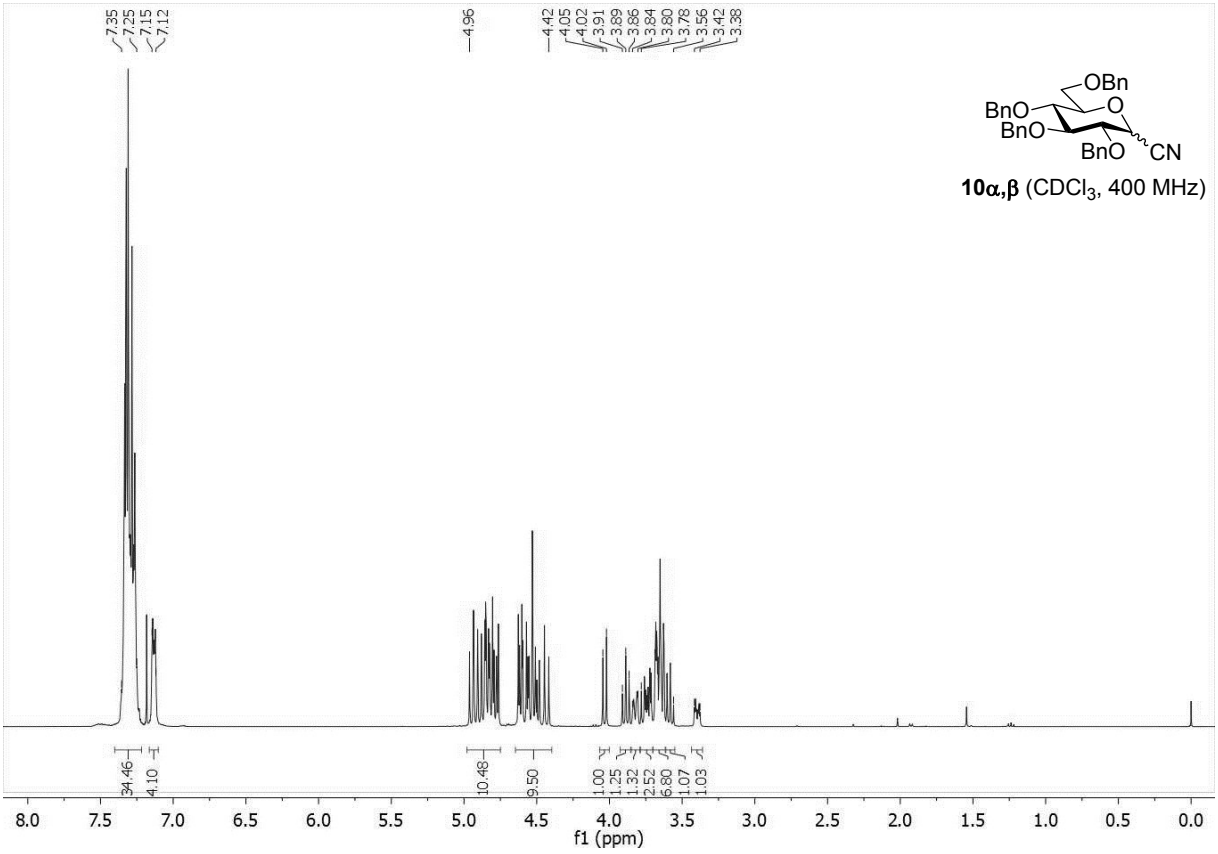
7d (D_2O, 90 MHz)



9α,β ($CDCl_3$, 400 MHz)



9α,β ($CDCl_3$, 100 MHz)



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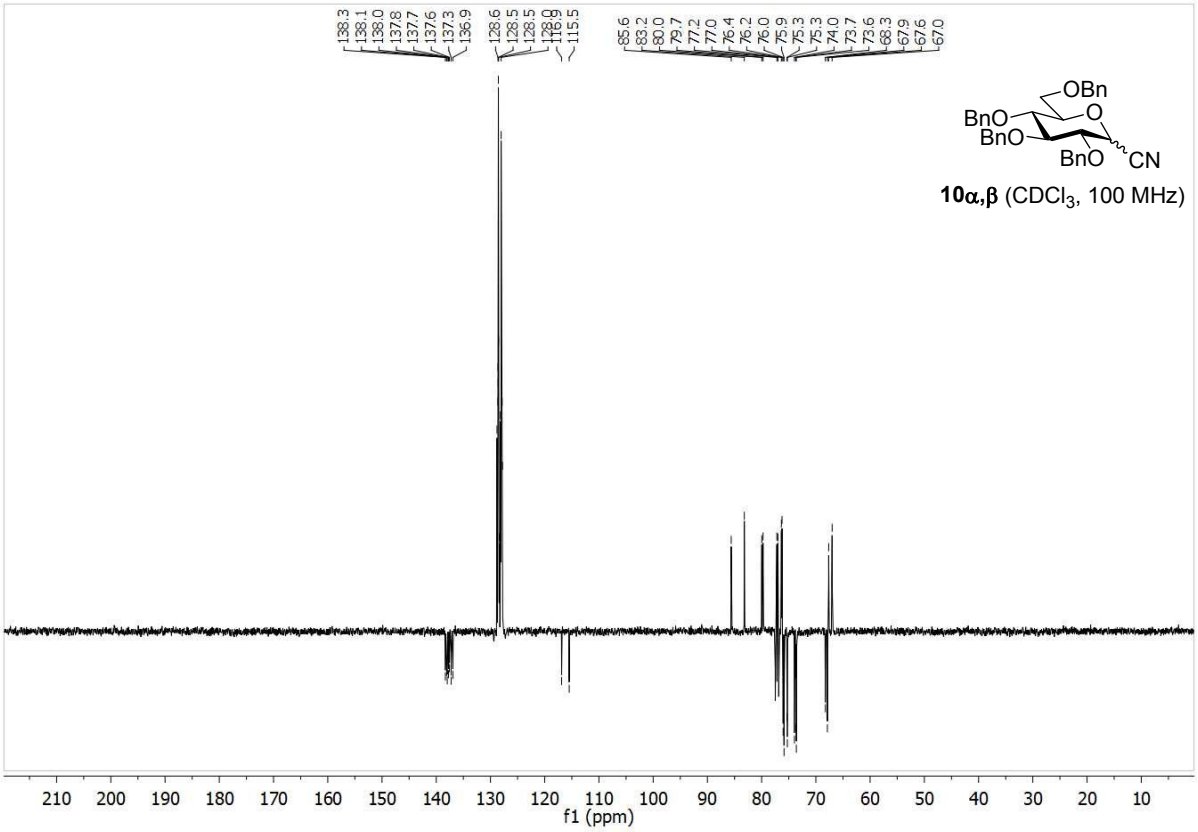

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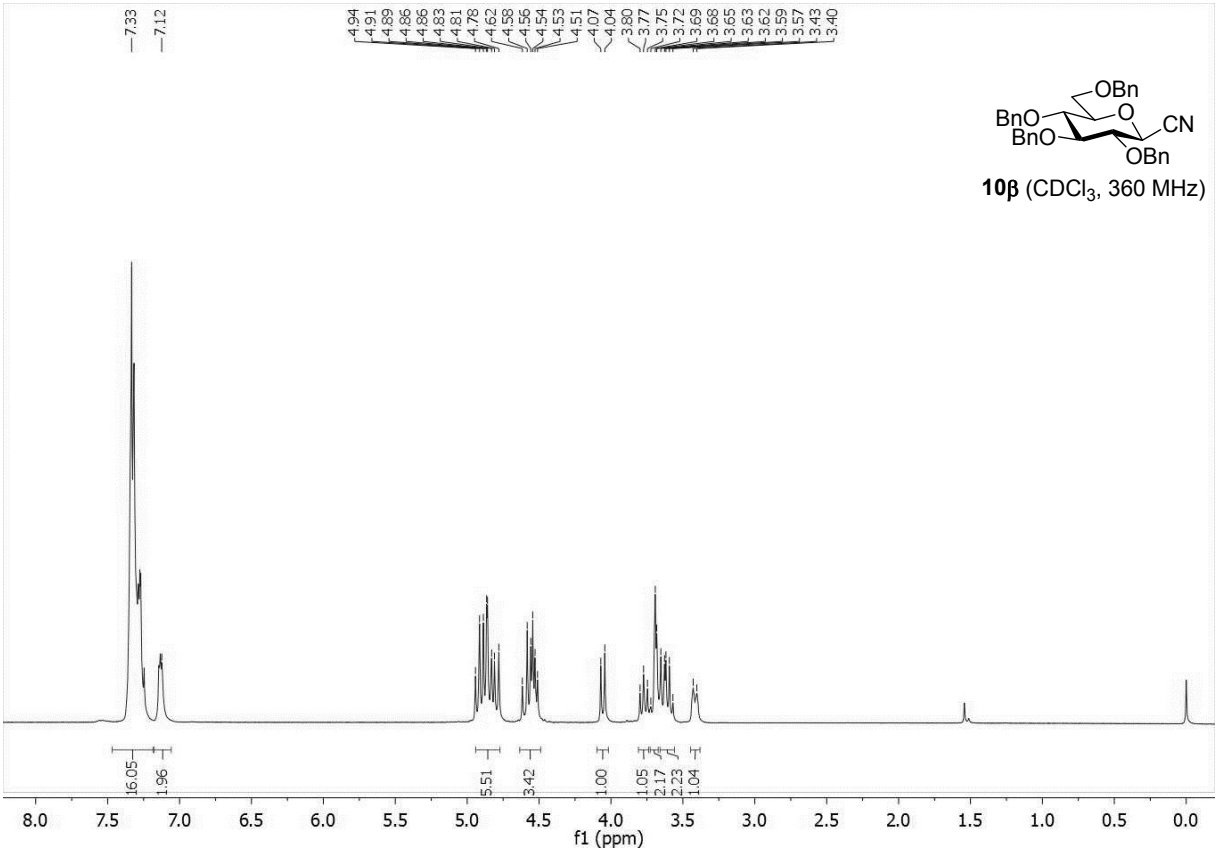

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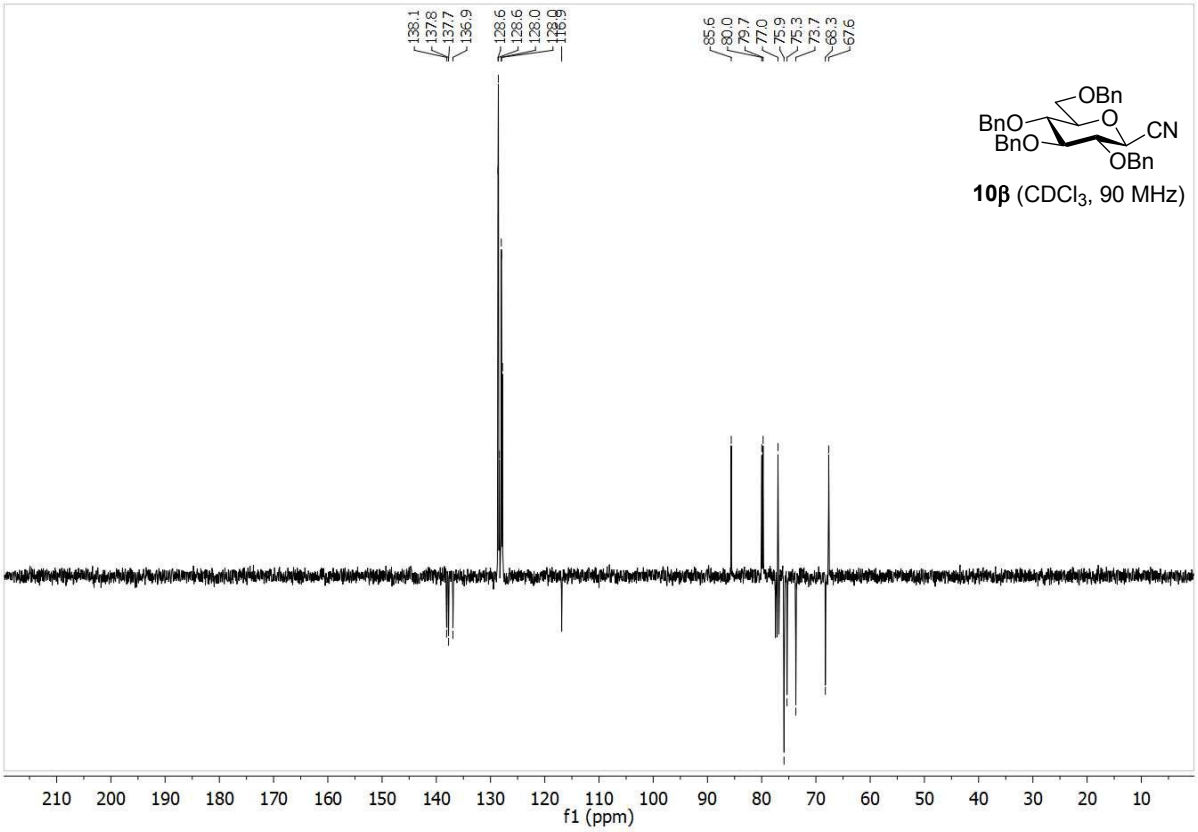

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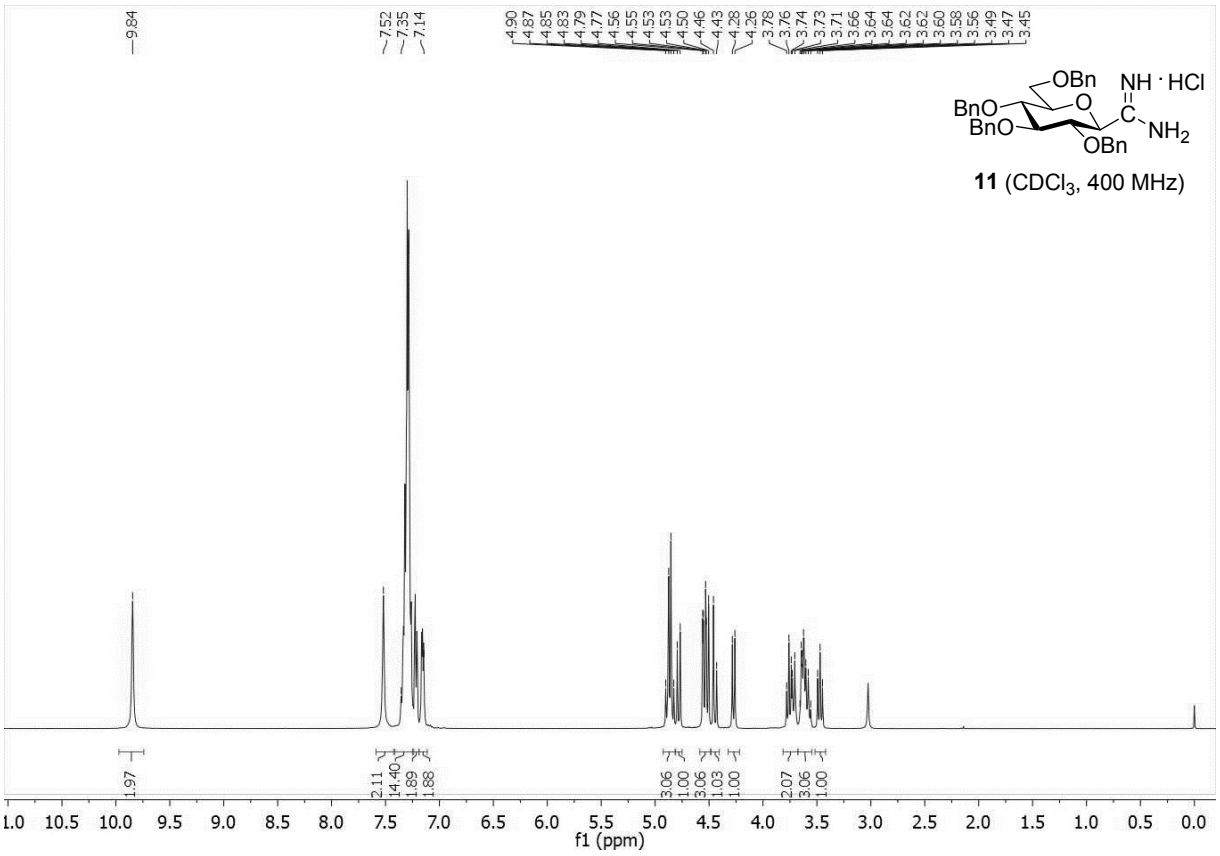
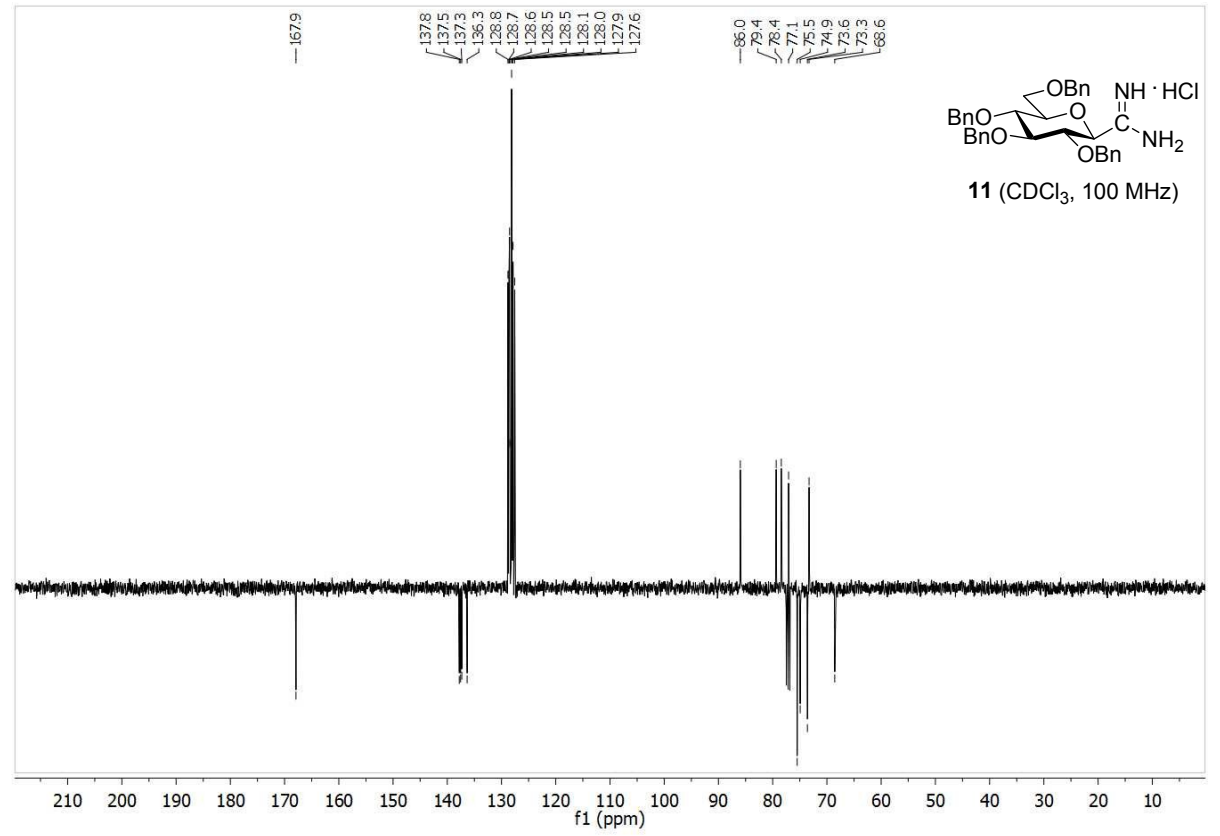
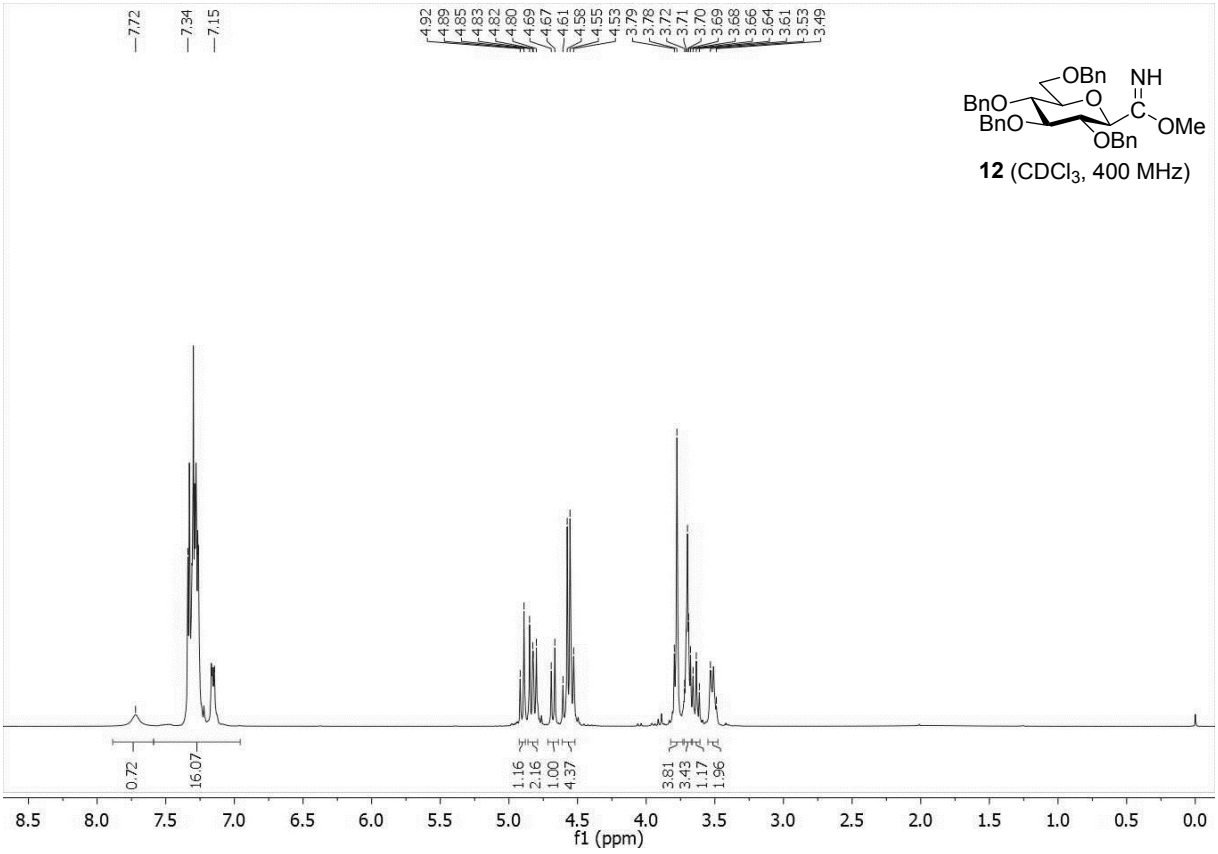


11 ($CDCl_3$, 400 MHz)



11 ($CDCl_3$, 100 MHz)



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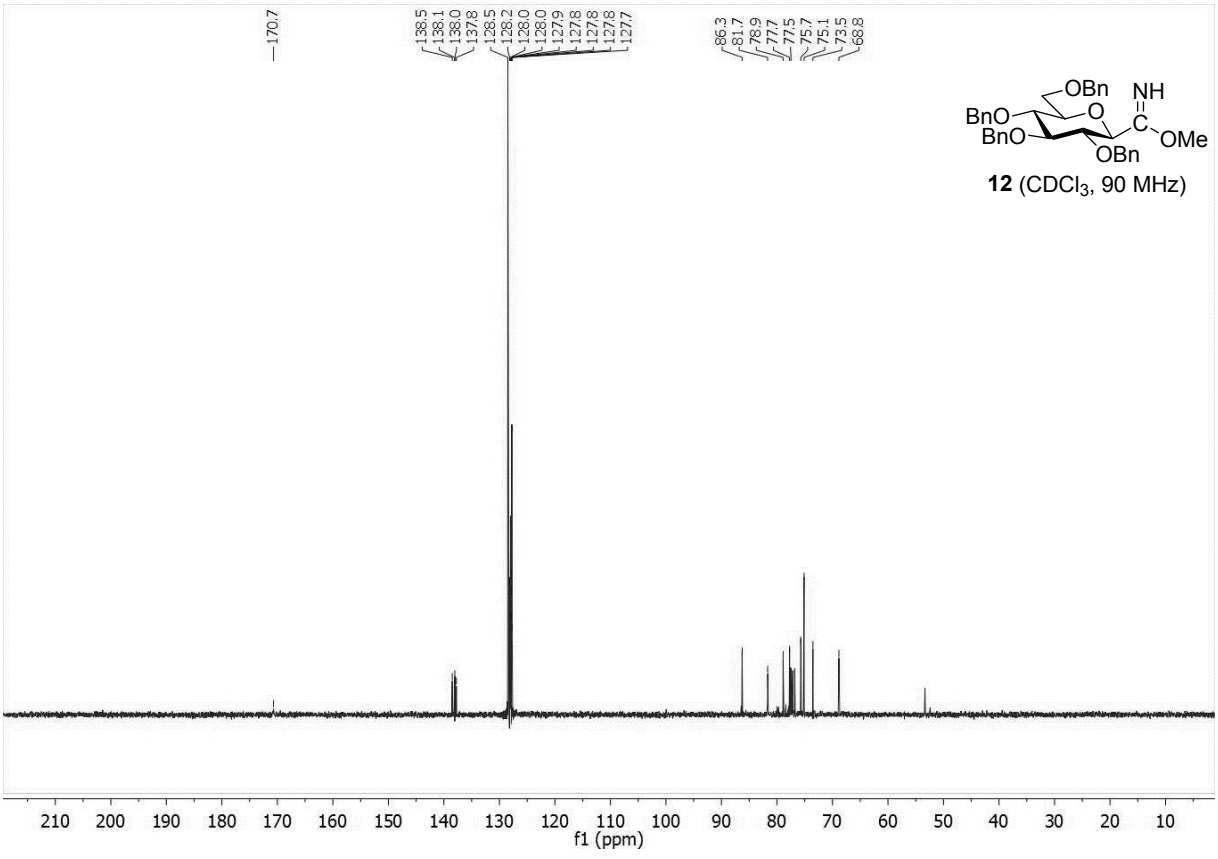

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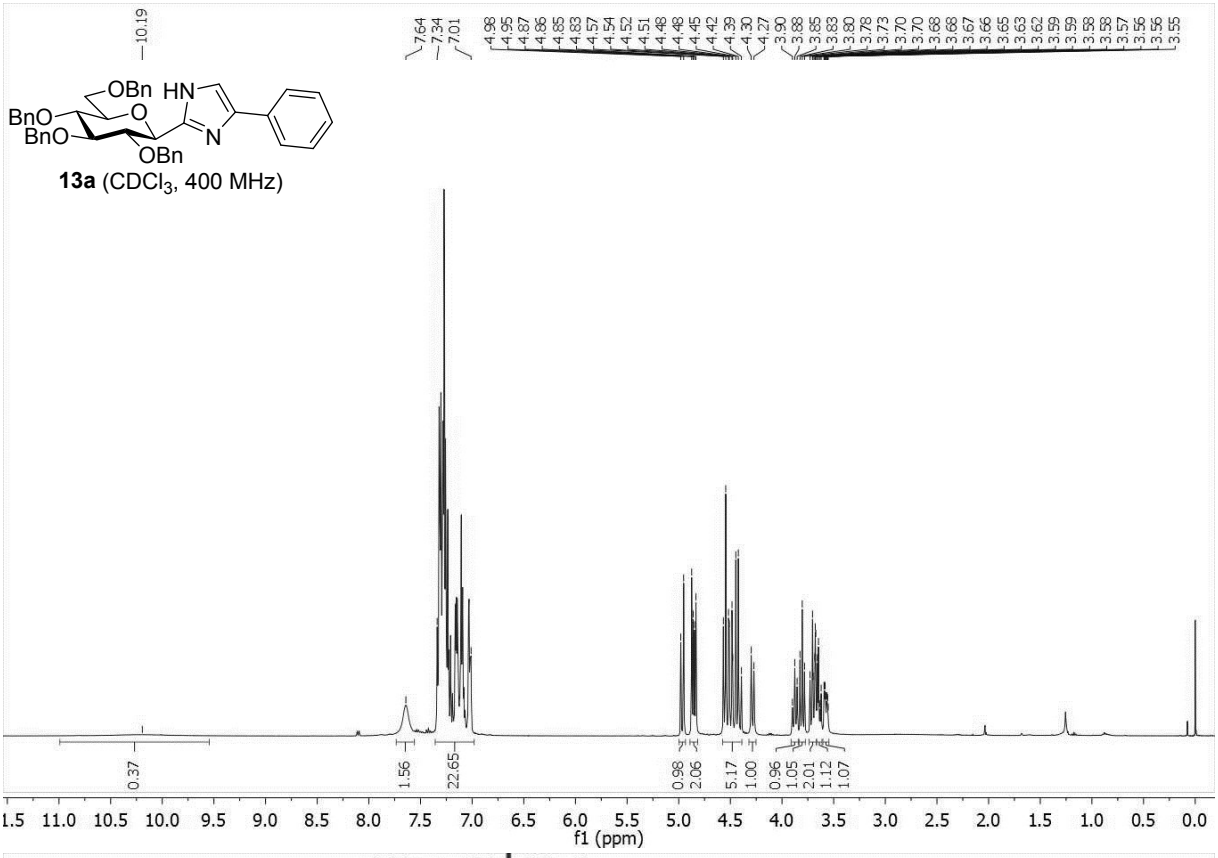
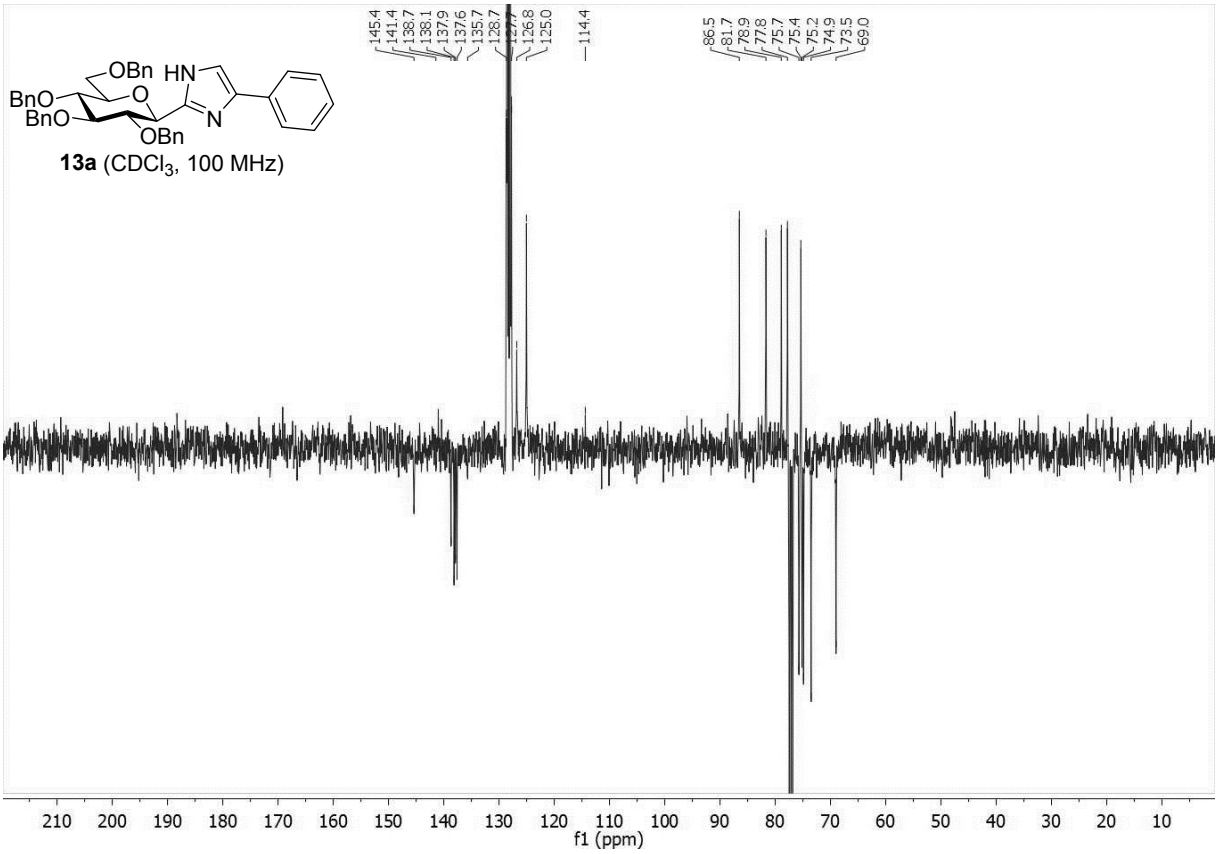
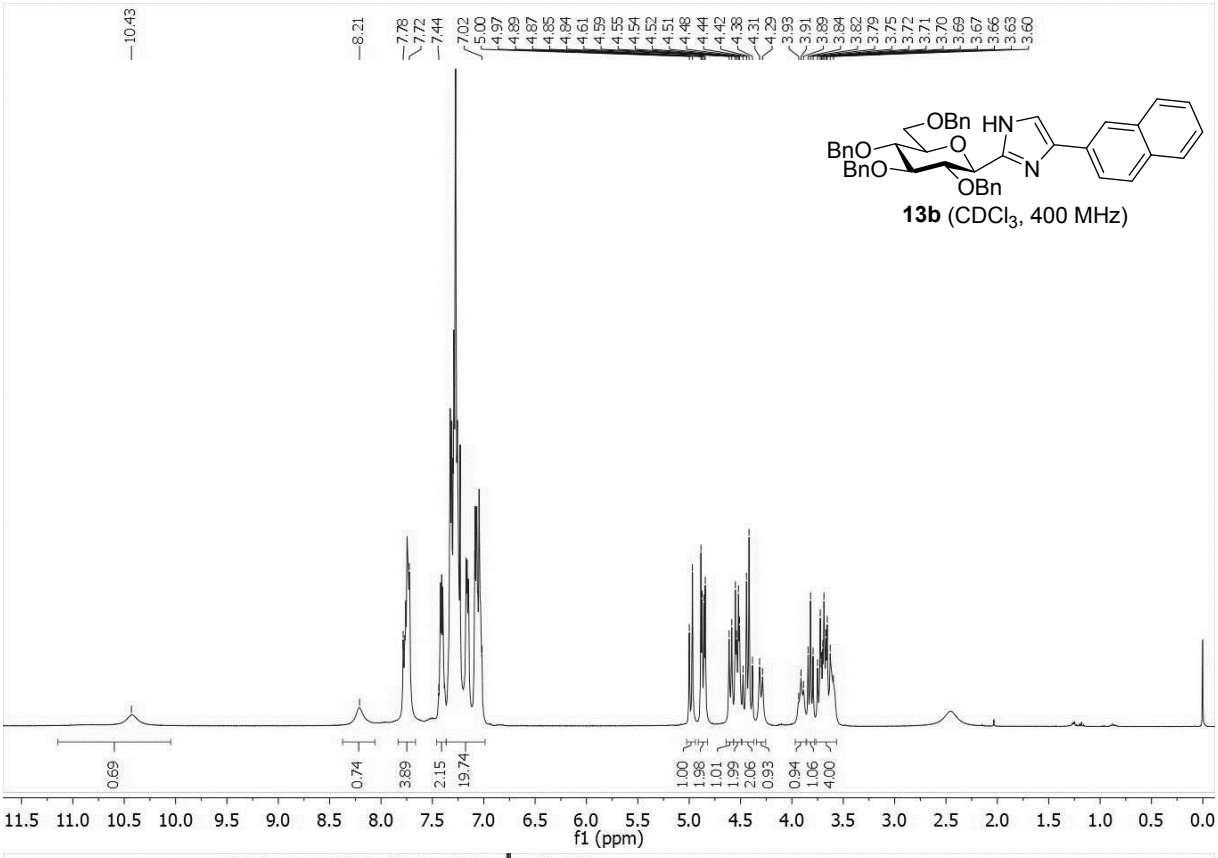


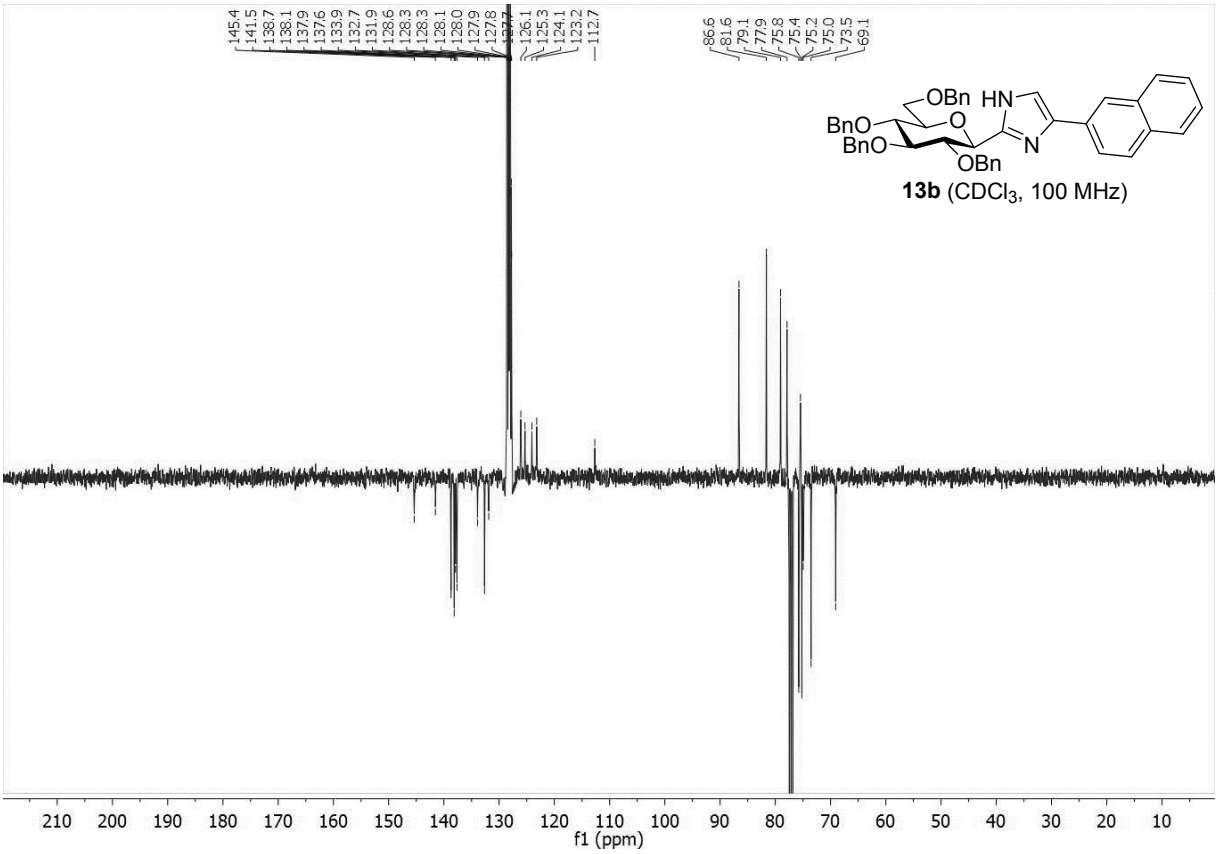
13a ($CDCl_3$, 400 MHz)



13a ($CDCl_3$, 100 MHz)



13b ($CDCl_3$, 400 MHz)



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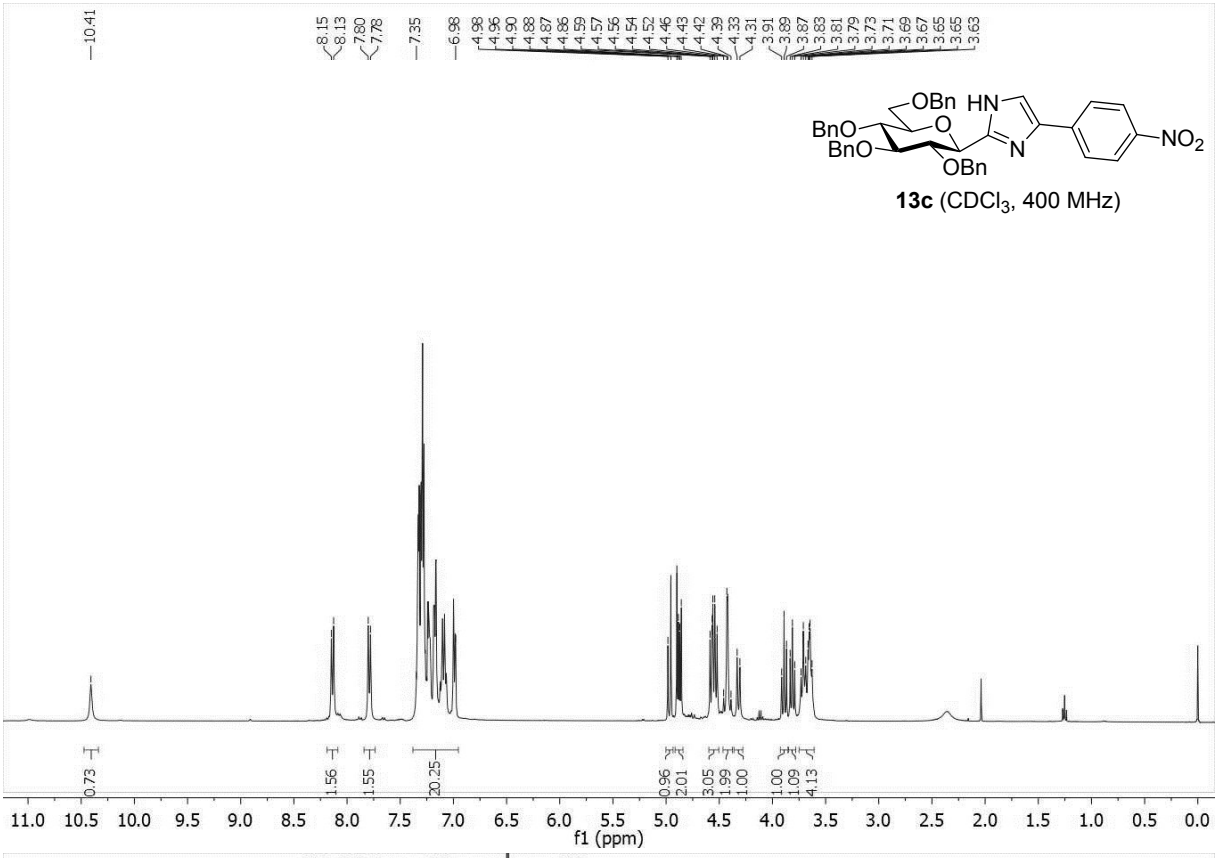

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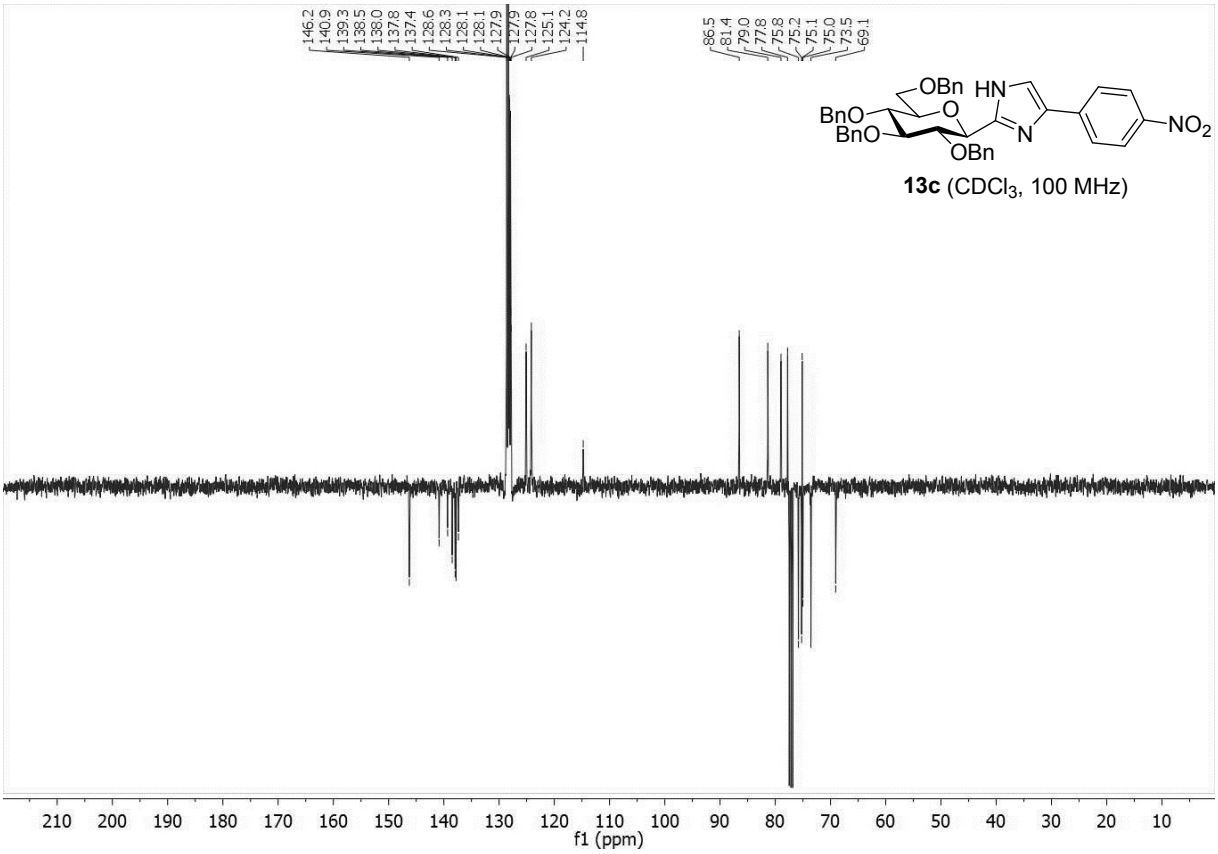

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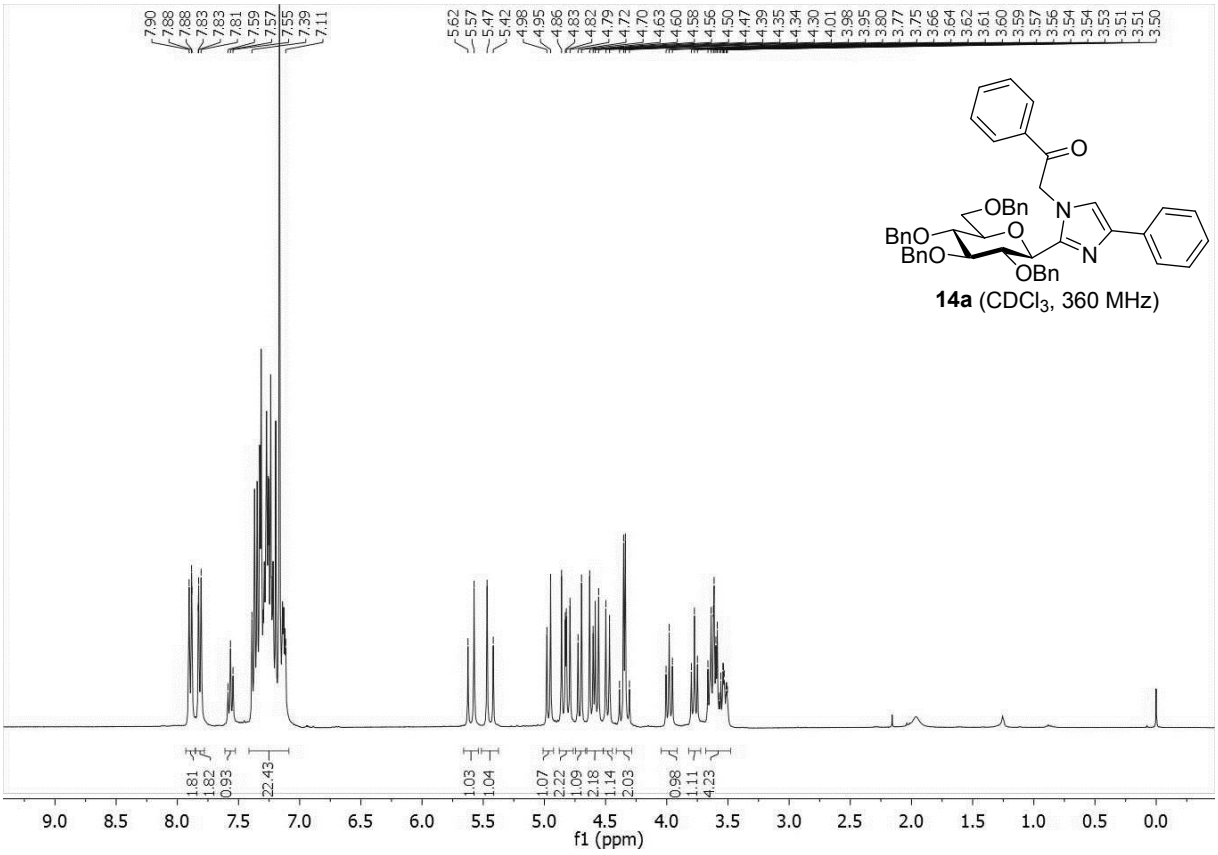
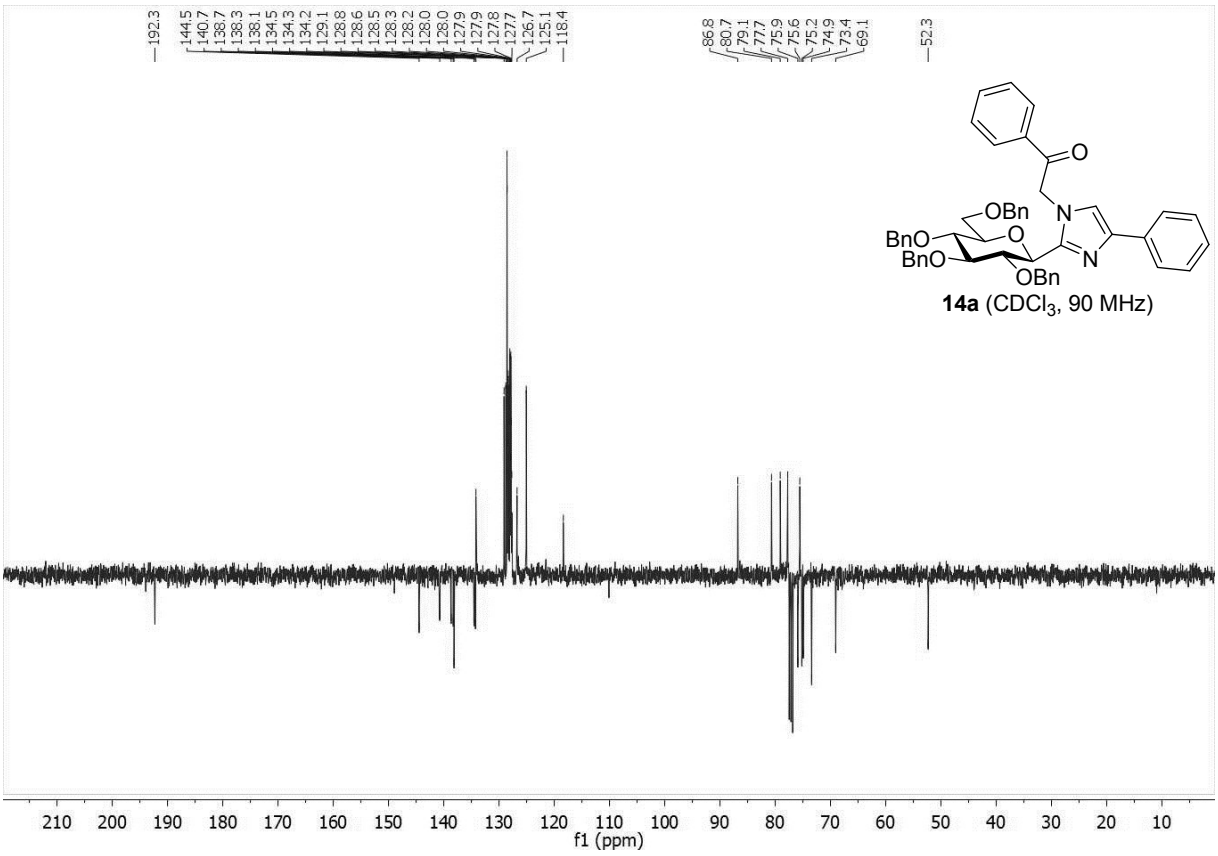
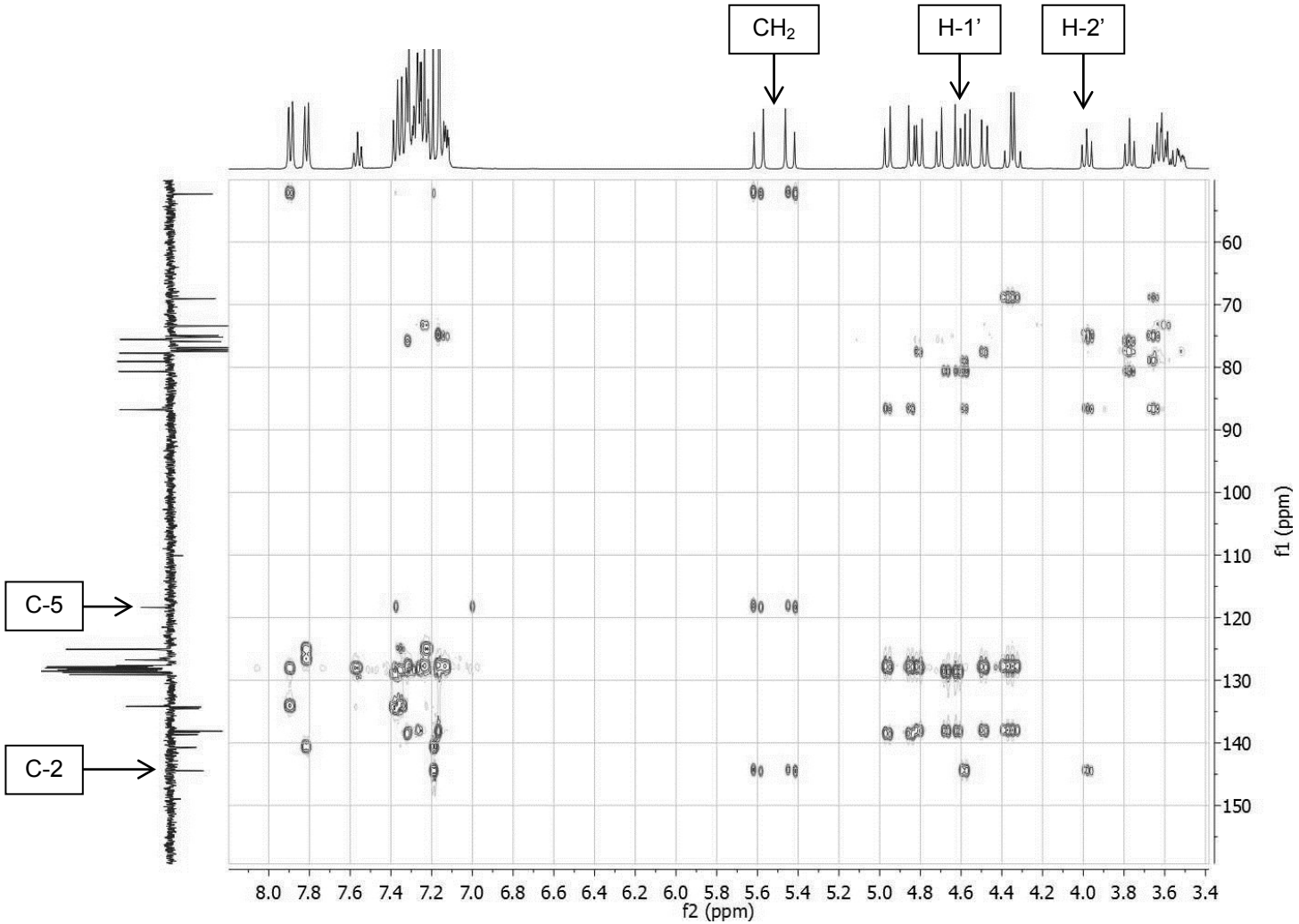
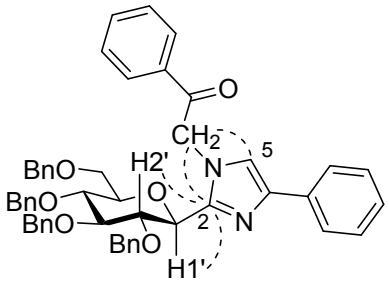


14a ($CDCl_3$, 360 MHz)



14a ($CDCl_3$, 90 MHz)

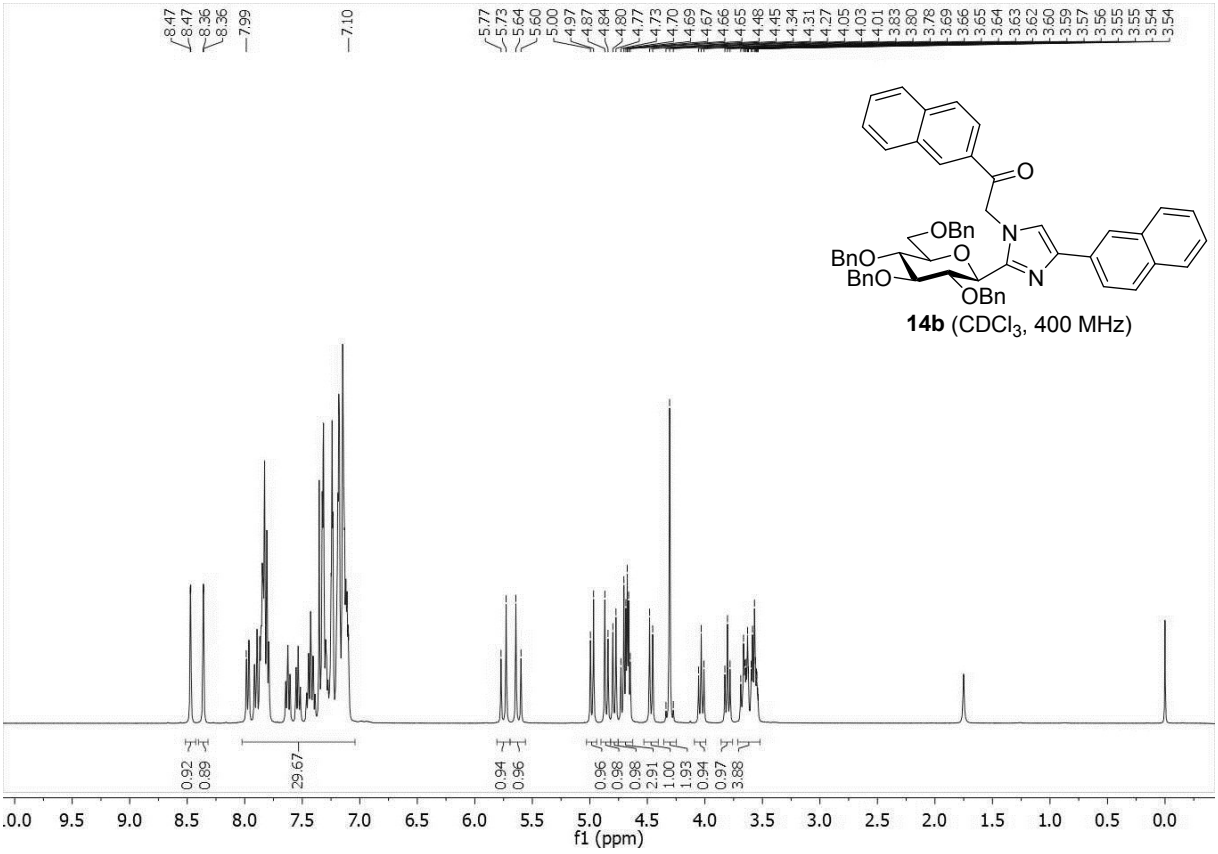




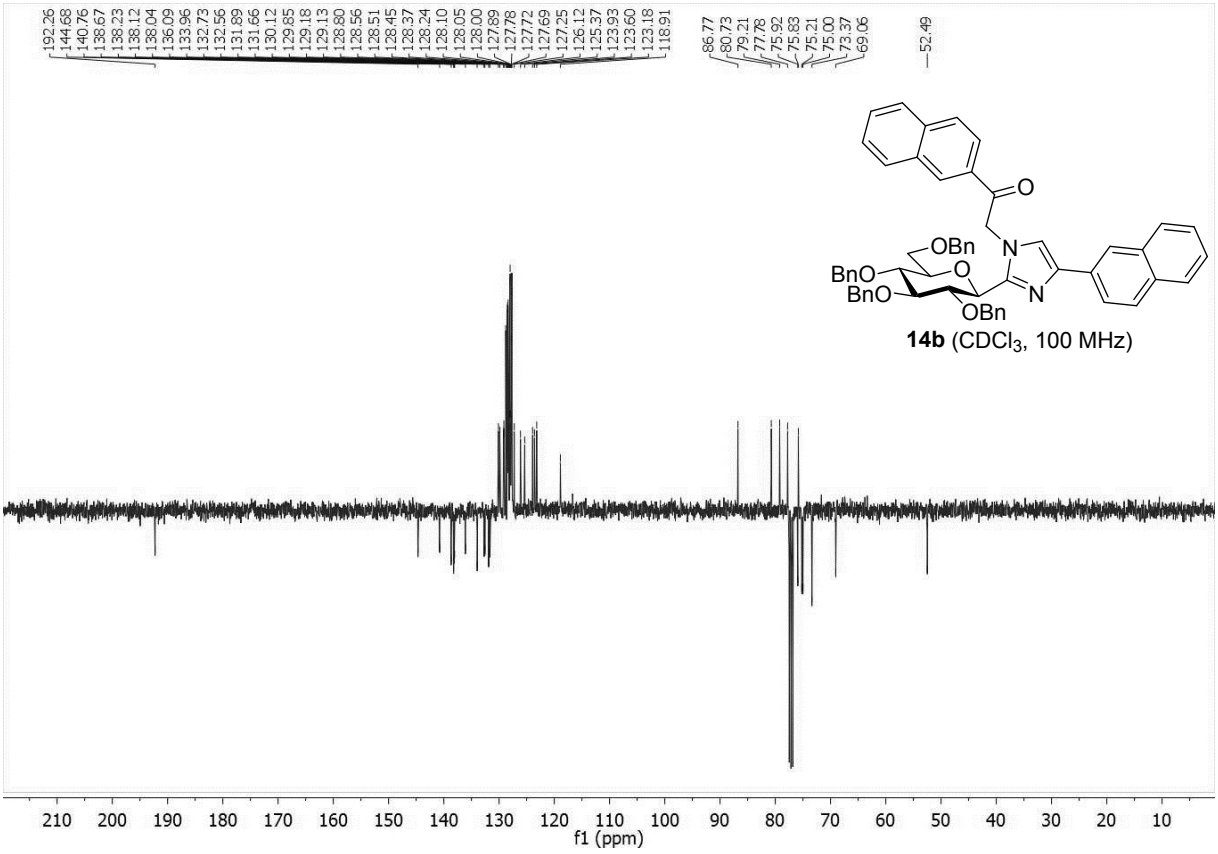
14a

2D ^{1}H-^{13}C HMBC spectrum of compound **14a** in $CDCl_3$ (500 MHz)

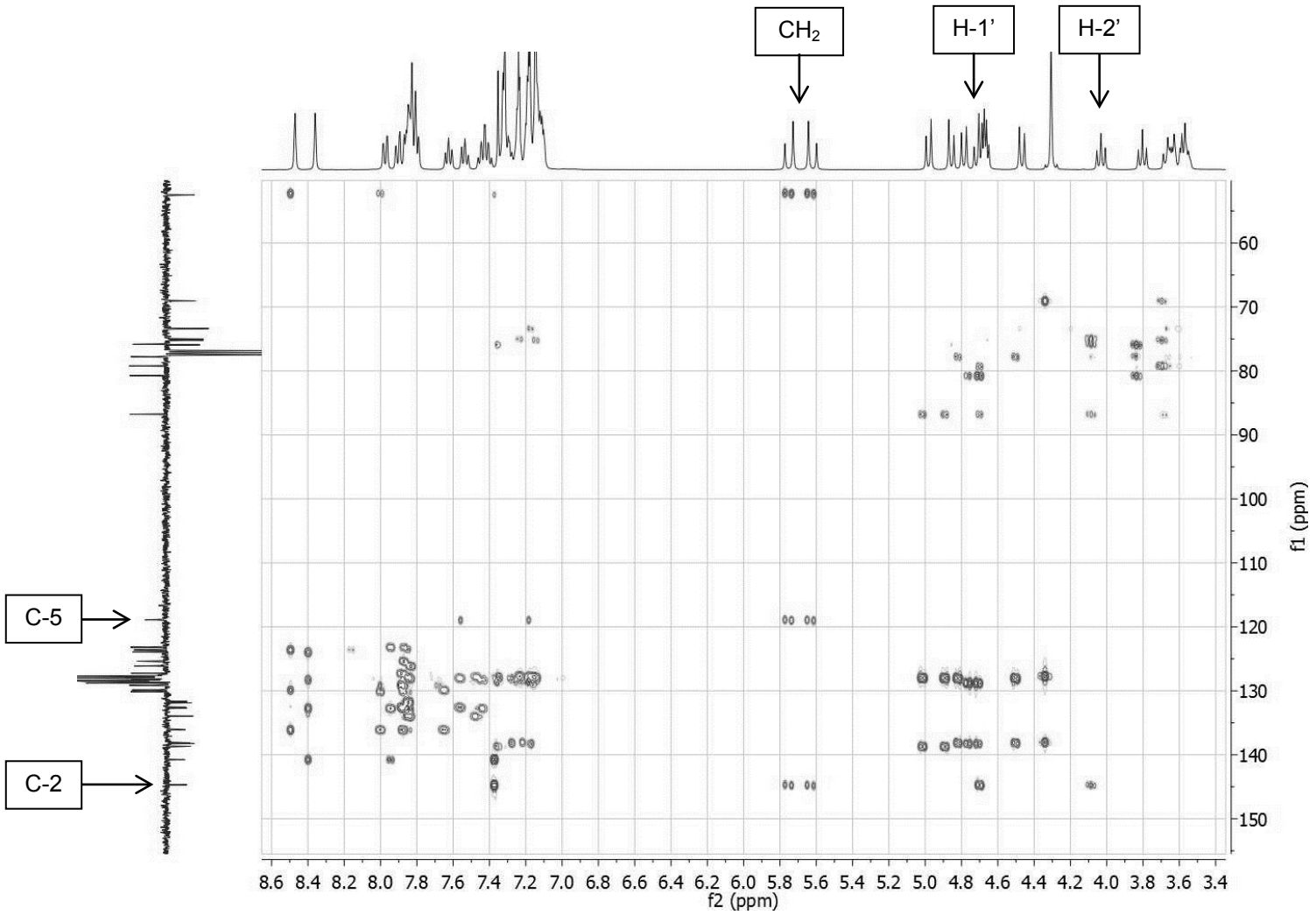
Assignment of the proton spectrum was accomplished by a COSY measurement.

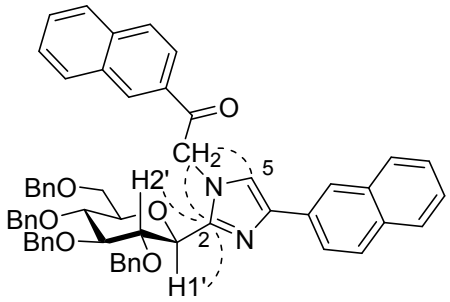


14b ($CDCl_3$, 400 MHz)



14b ($CDCl_3$, 100 MHz)





14b

2D ^{1}H-^{13}C HMBC spectrum of compound **14b** in $CDCl_3$ (500 MHz)

Assignment of the proton spectrum was accomplished by a COSY measurement.