Supporting Information

for

An efficient synthesis of 1,6-anhydro-*N*-acetylmuramic acid from *N*-acetylglucosamine

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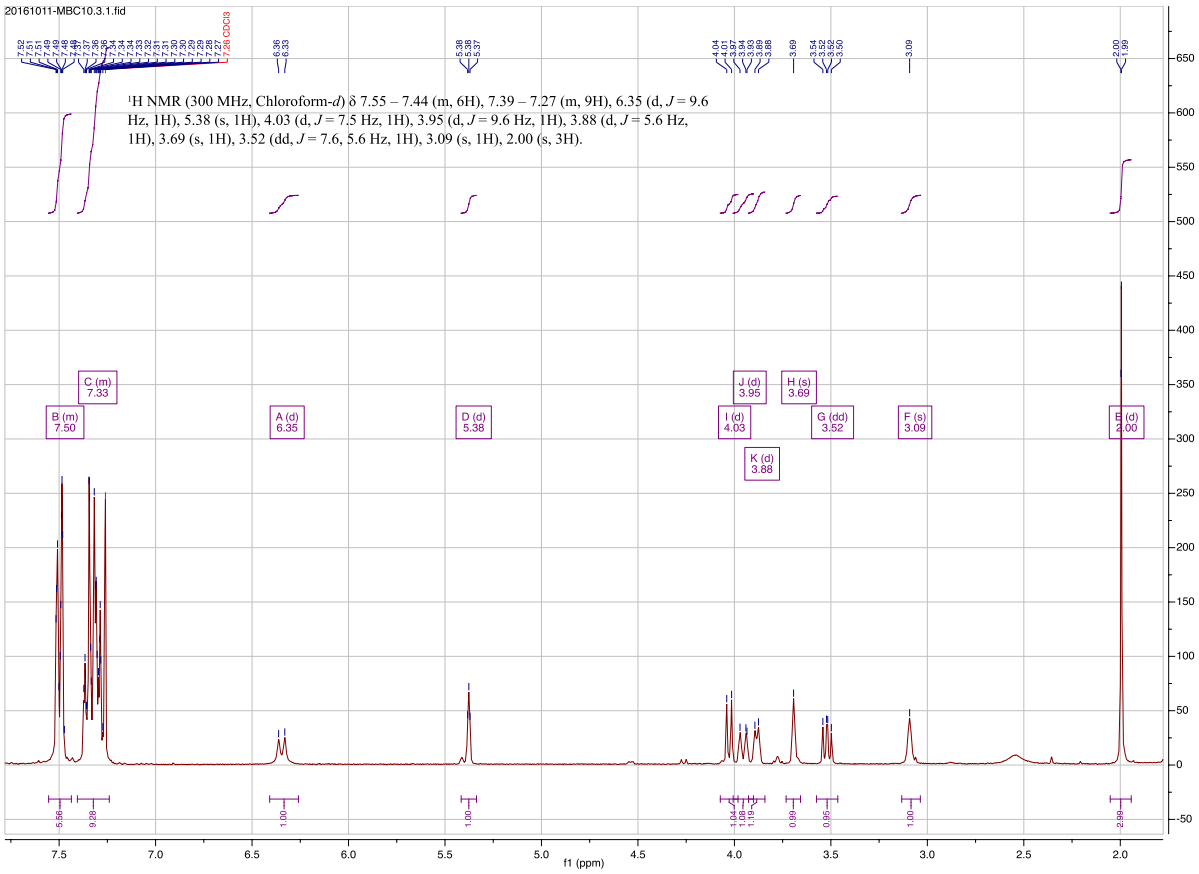
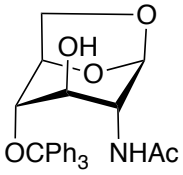
Contents

Confirming the reported structure of **12**

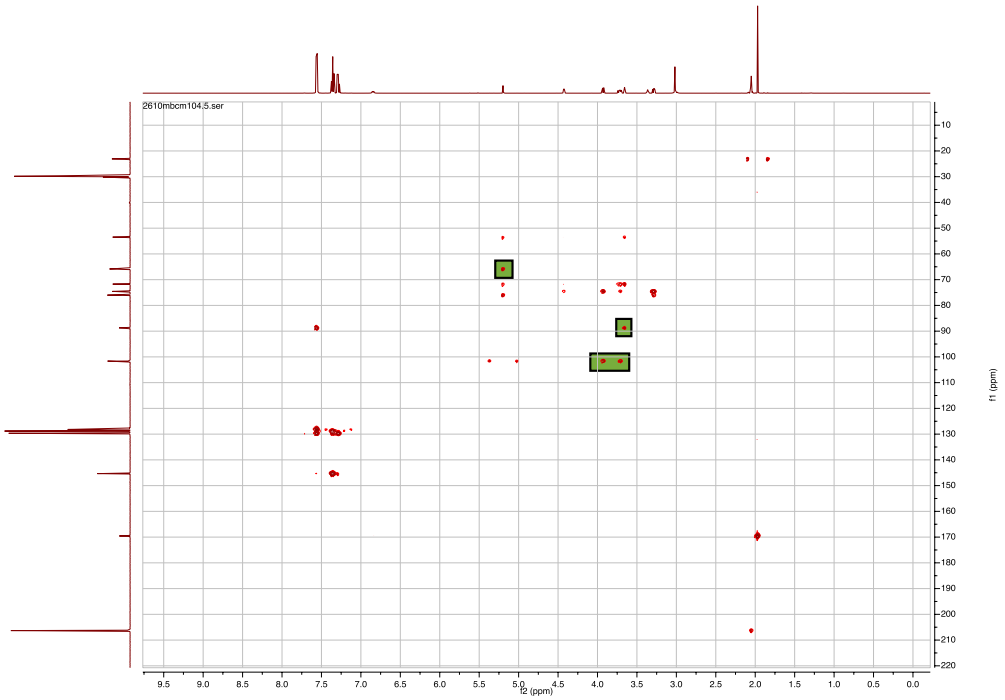


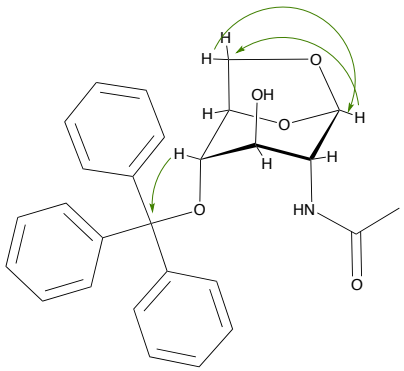
	Observed	Reported
H-1	5.38	5.40
H-2	3.95	3 973
H-3	3.09	3 080
H-4	3.69	3 705
H-5	3.88	3 910
H-6a	4.03	4 350
H-6b	3.52	3 538
NHAc	6.35	6 350
Ac	2.00	2 198
Ar	7.27-7.55	7.28-7.55



12

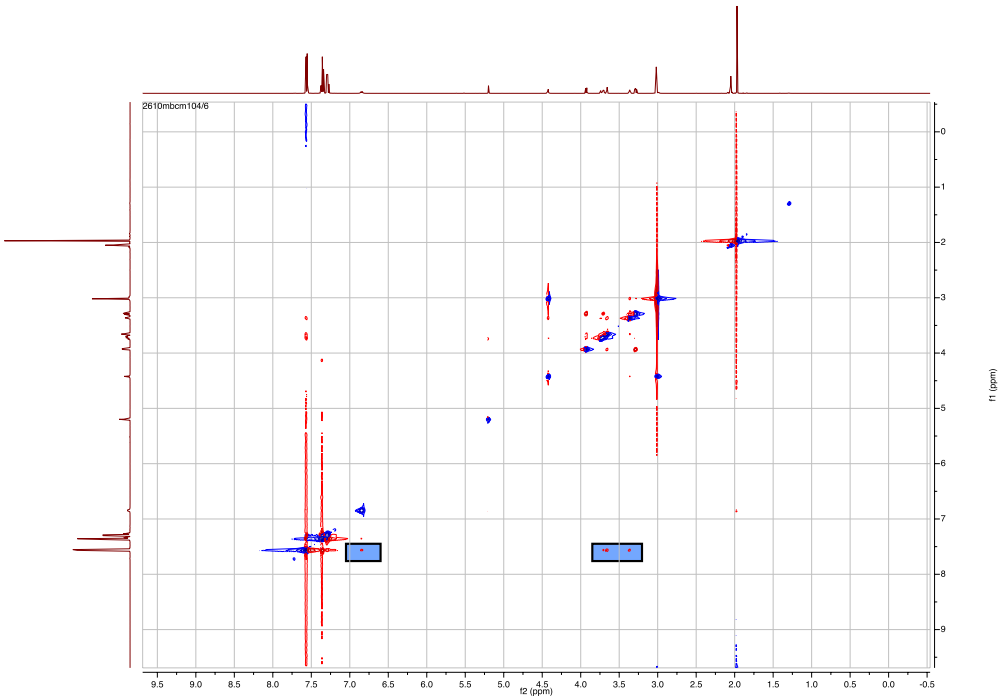
¹H NMR data for **12** ($CDCl_3$); Literature data from Tyrtysh, T. V.; Byramova, N. E.; Bovin, N. V. *Russian Journal of Bioorganic Chemistry,* **2000,** *26,* 414-418.

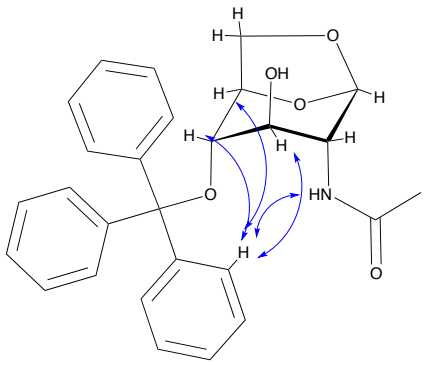




HMBC

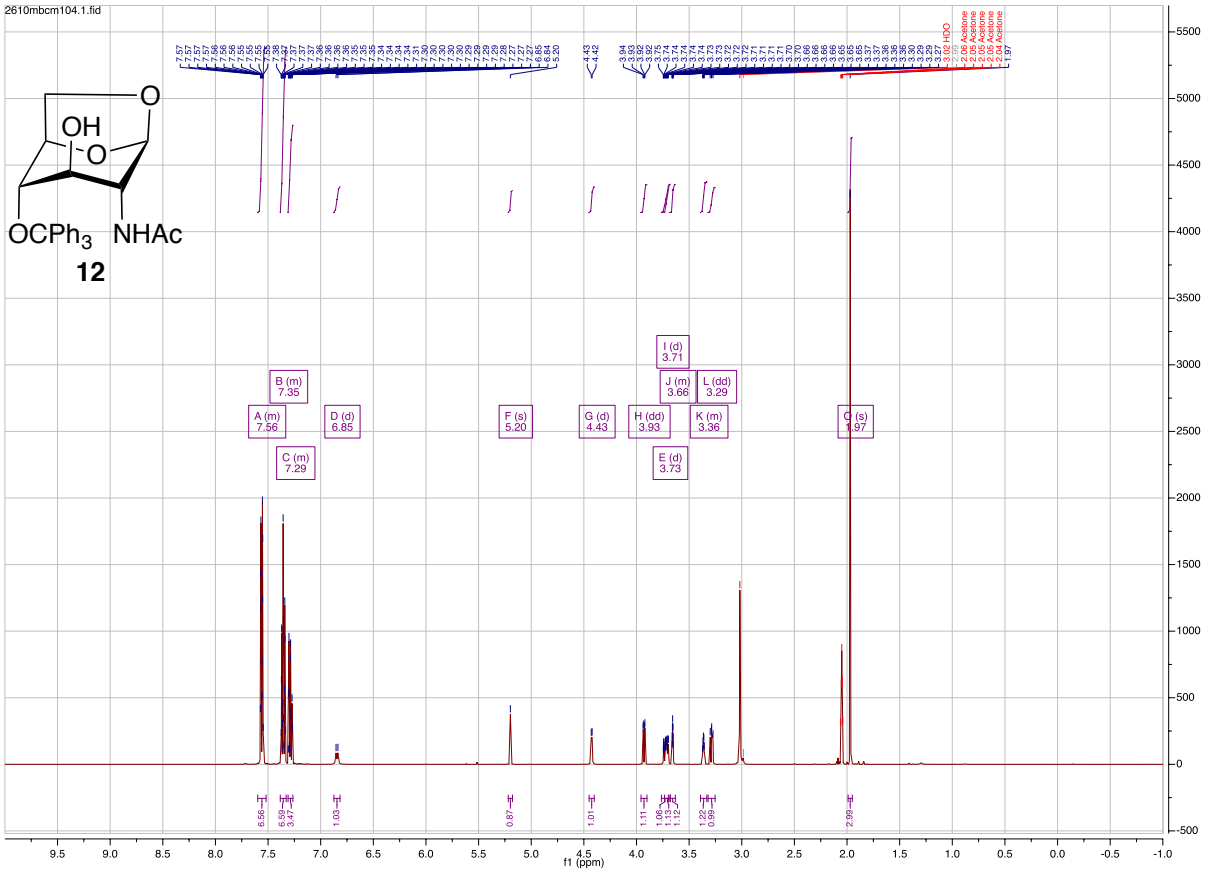
HMBC spectrum for **12** with key correlations indicated on spectrum and structure

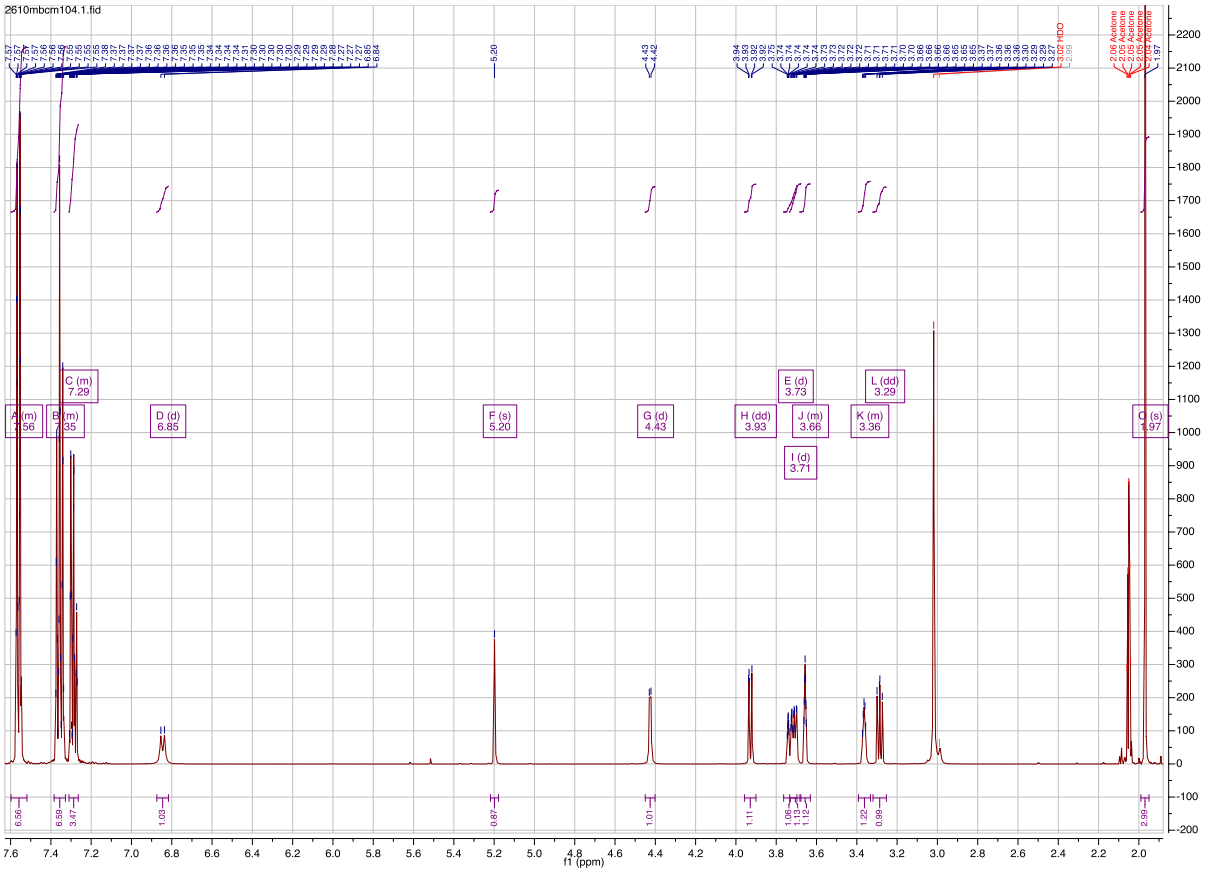




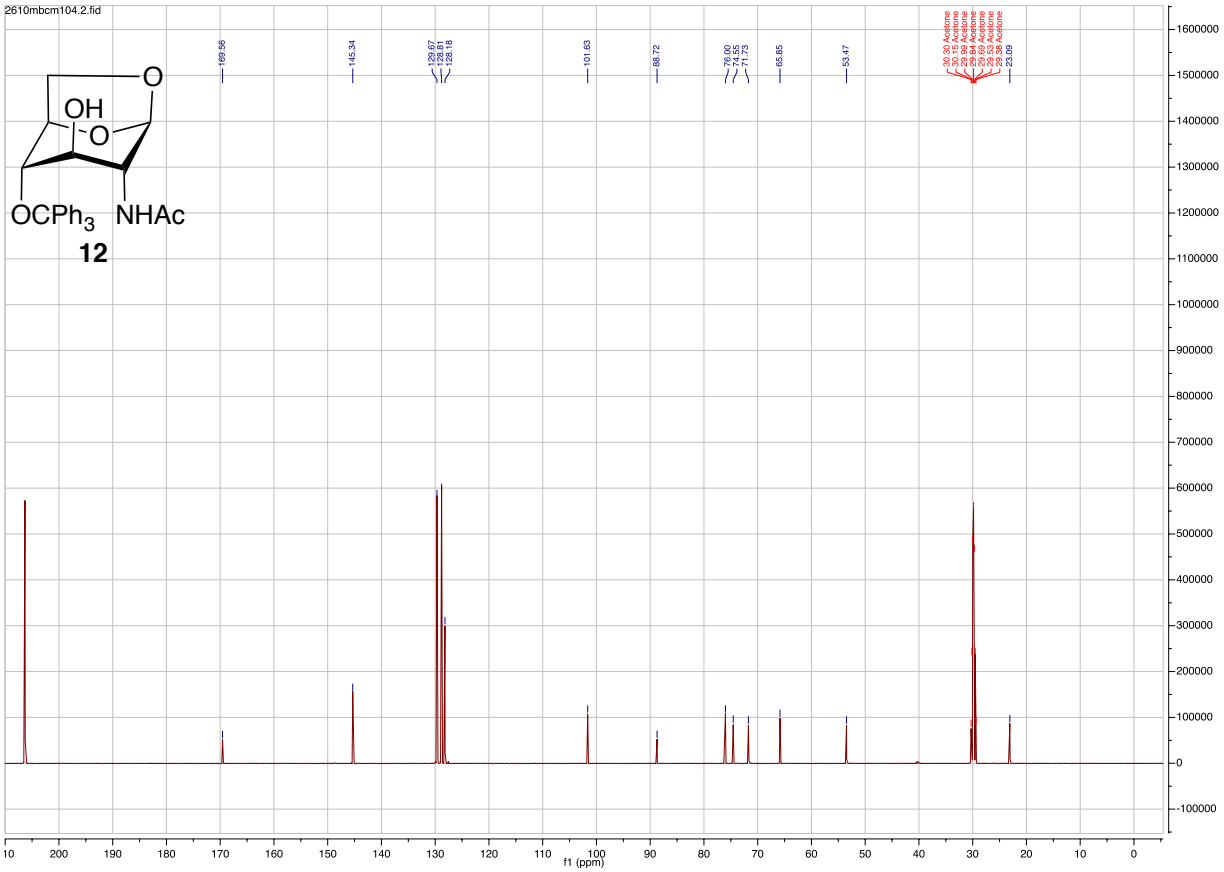
NOESY

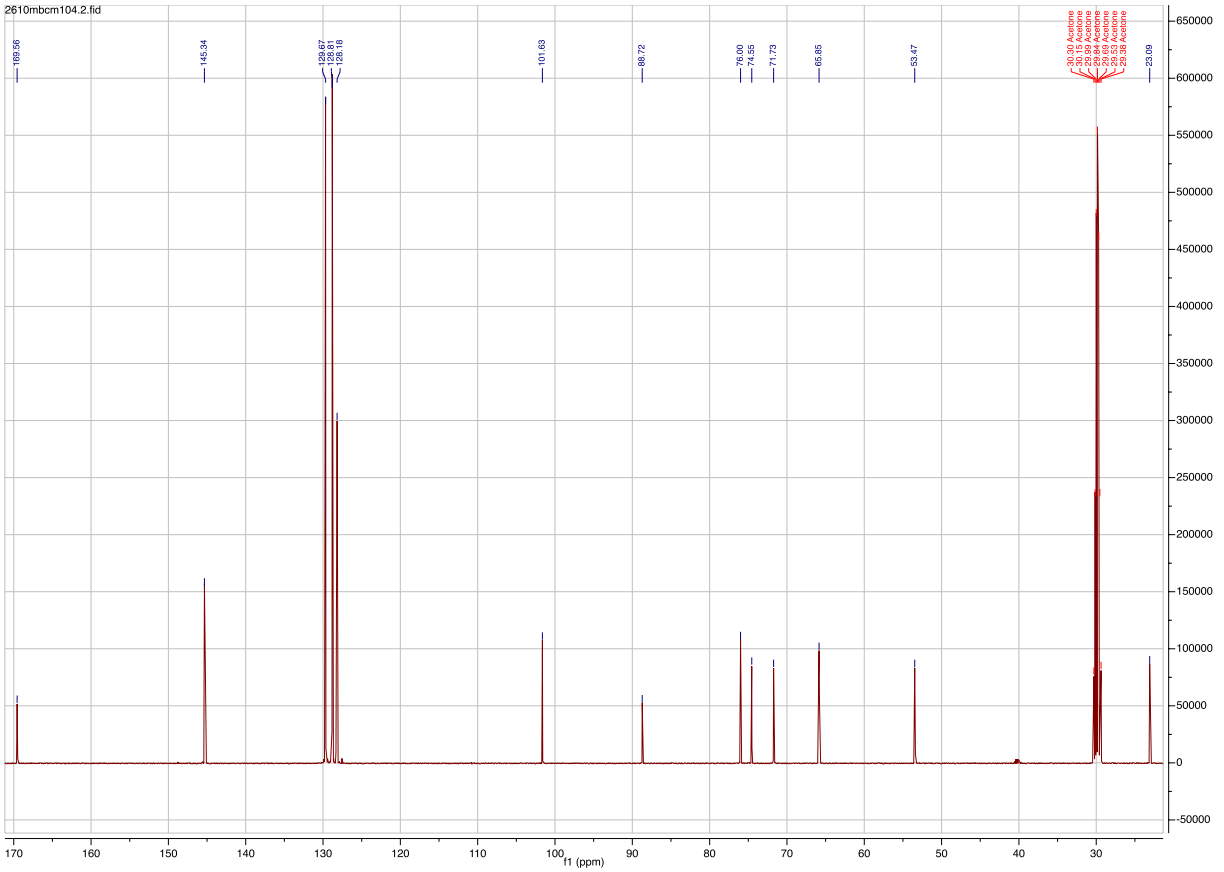
NOESY spectrum for **12** with key correlations indicated on spectrum and structure





^{1}H NMR data for **12**





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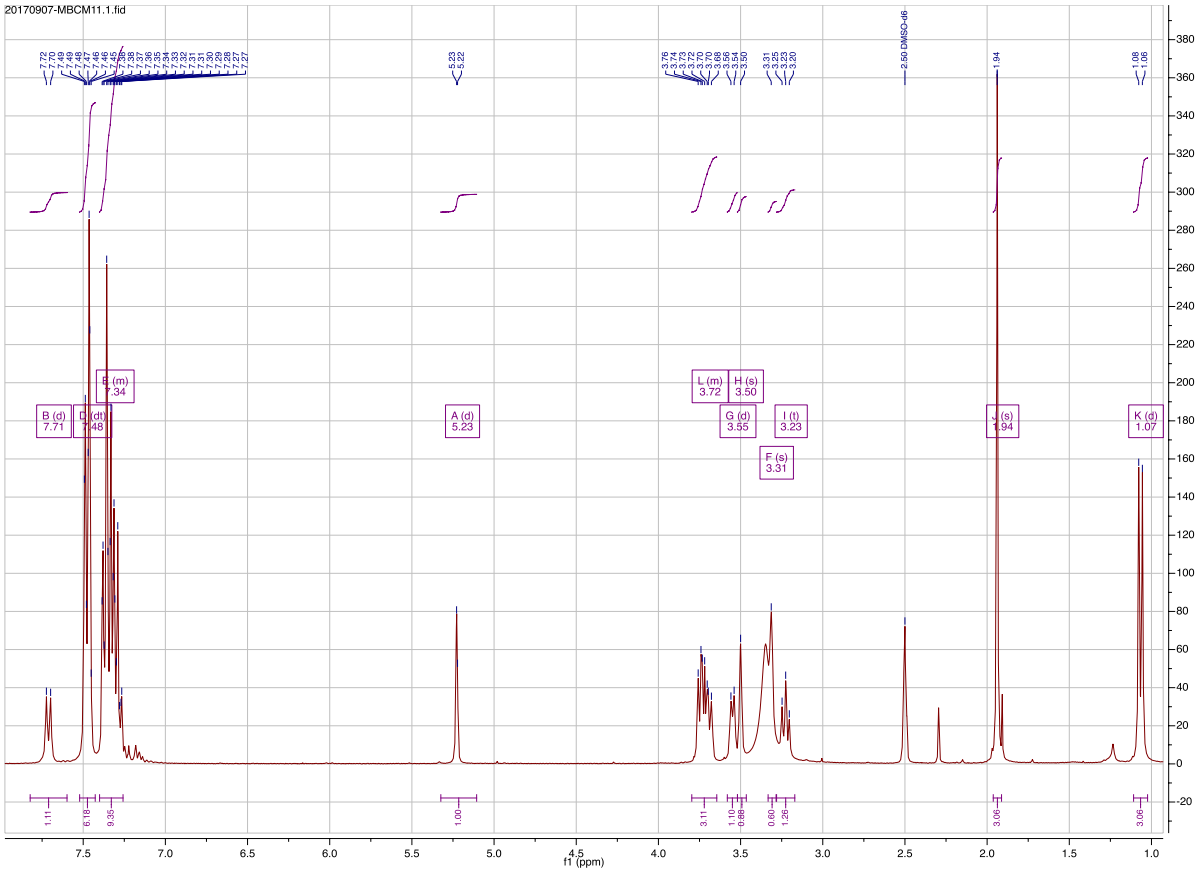

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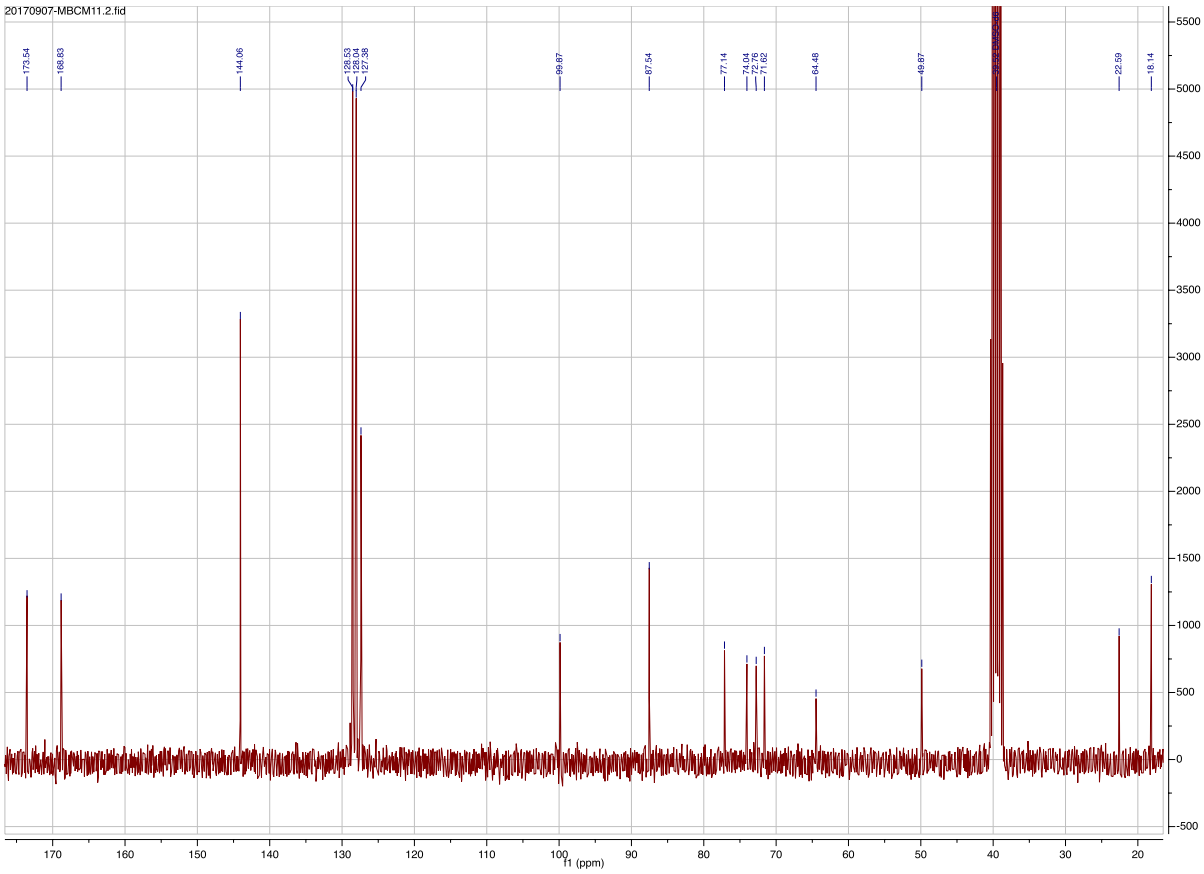

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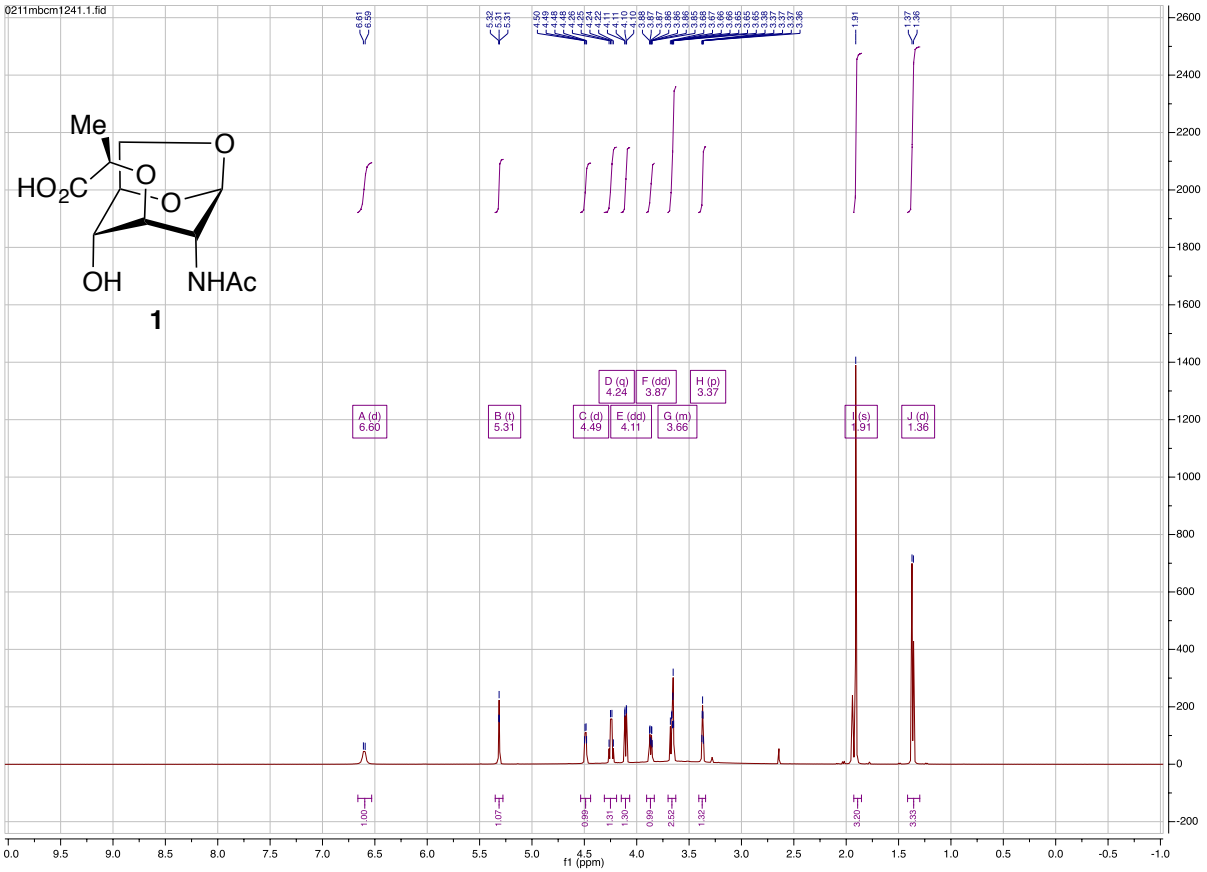
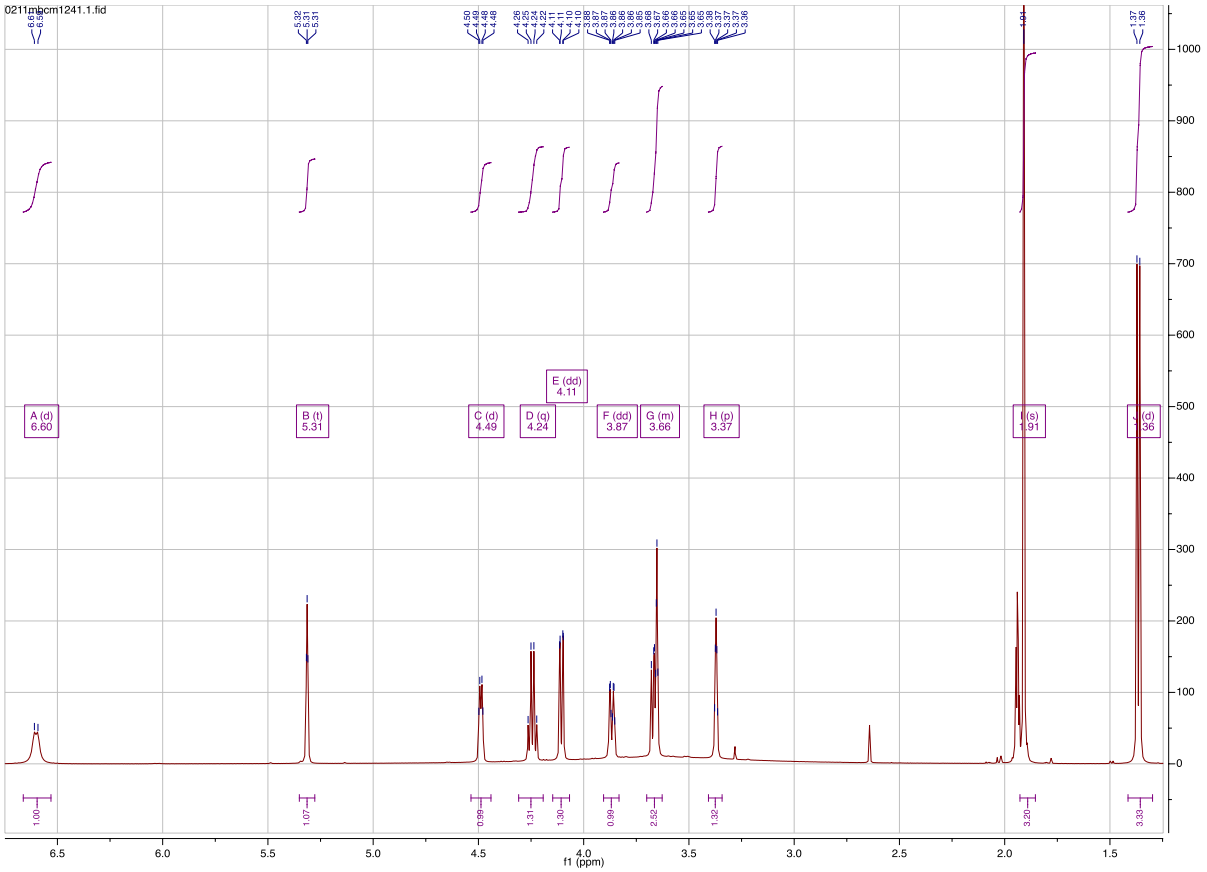
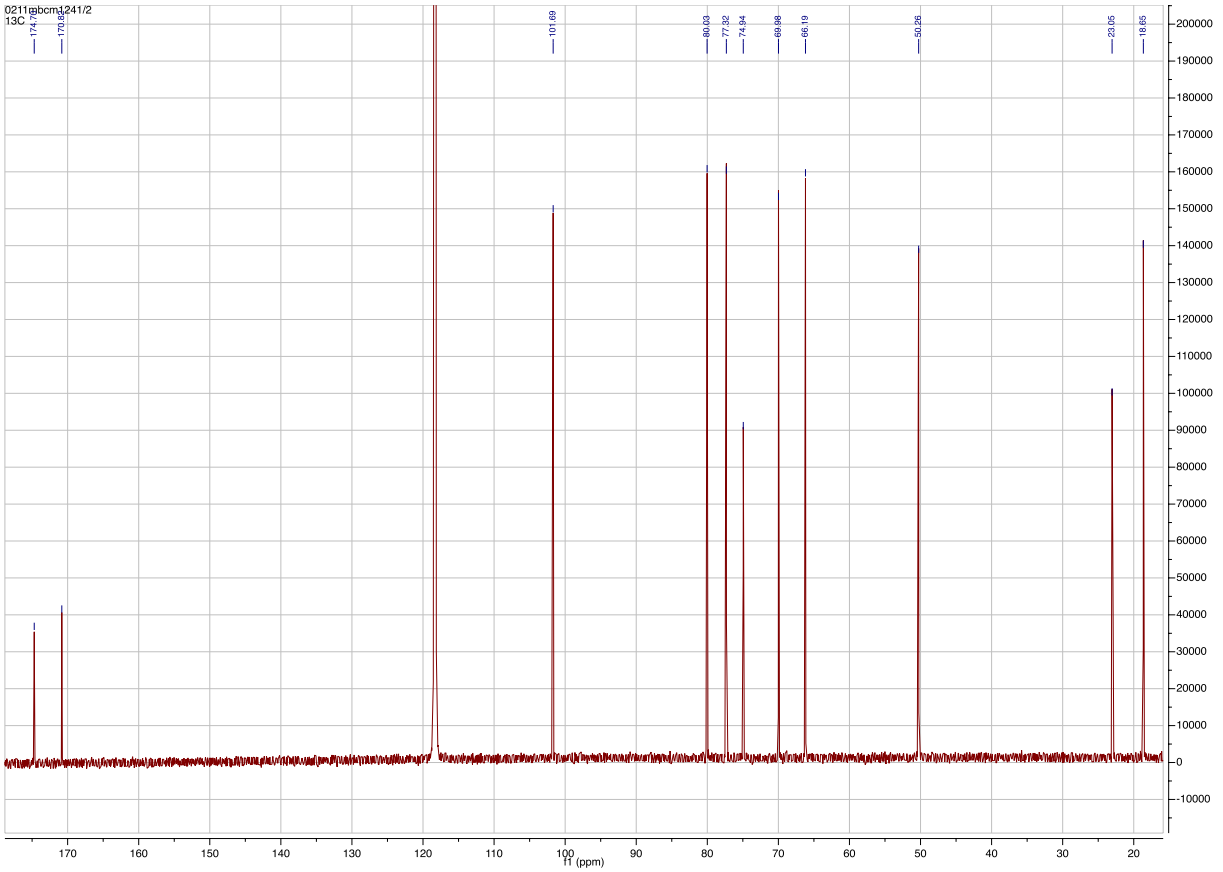
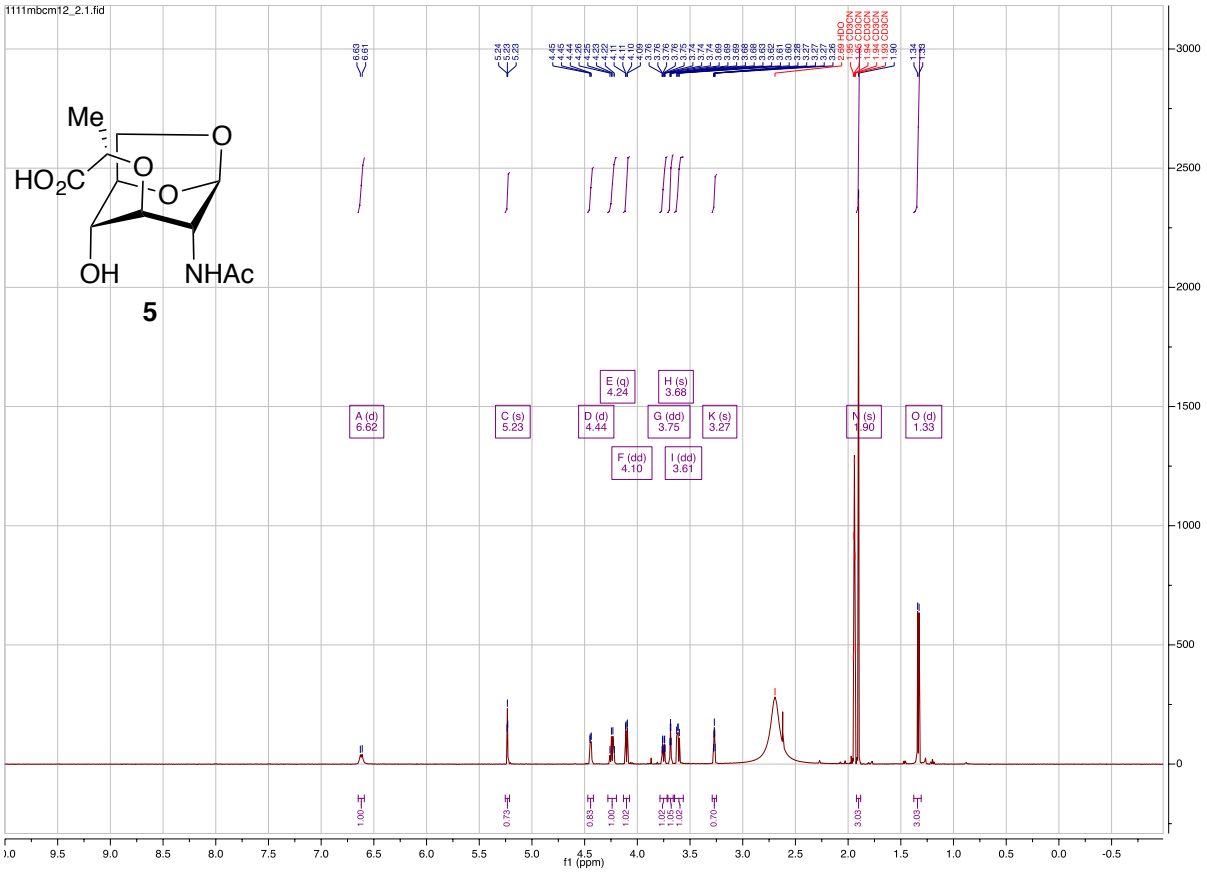


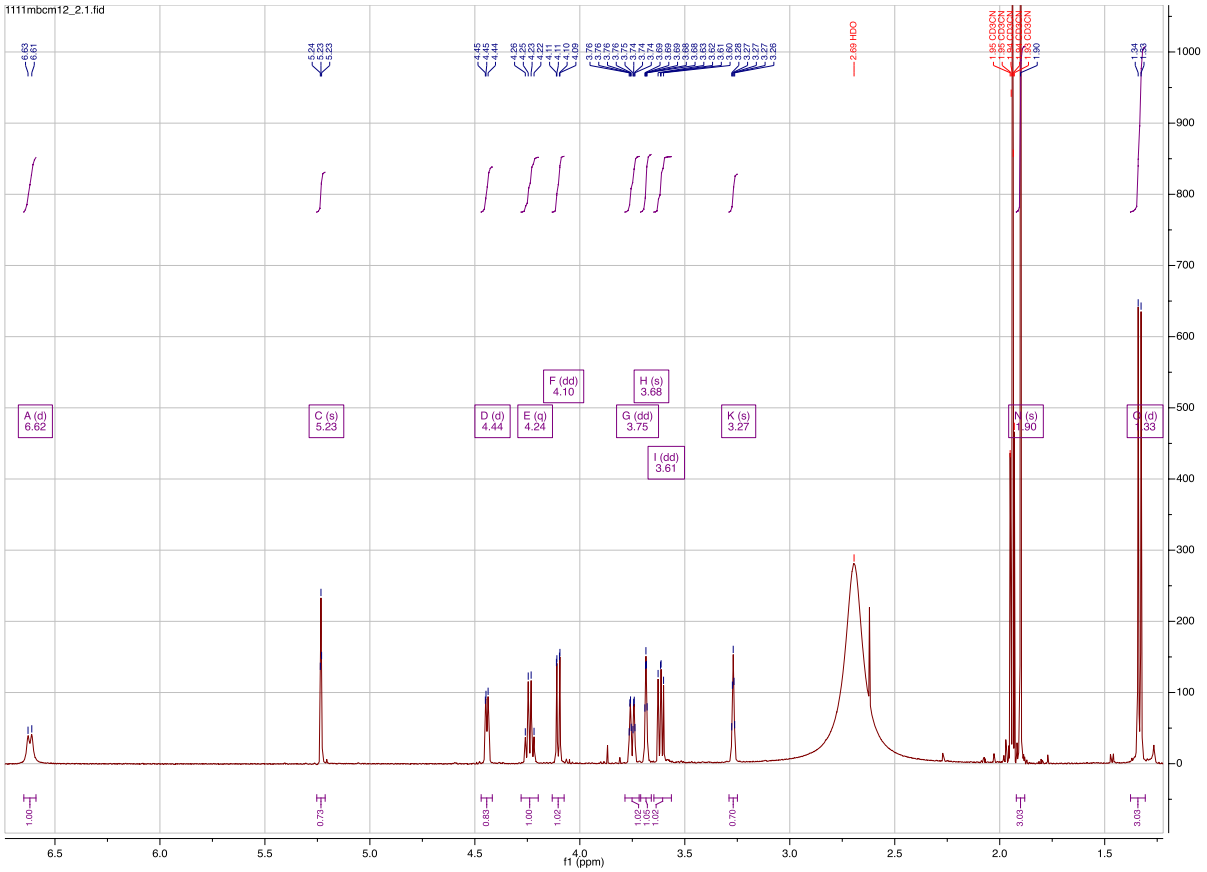


^{1}H NMR data for **1**



^{13}C NMR data for **1**





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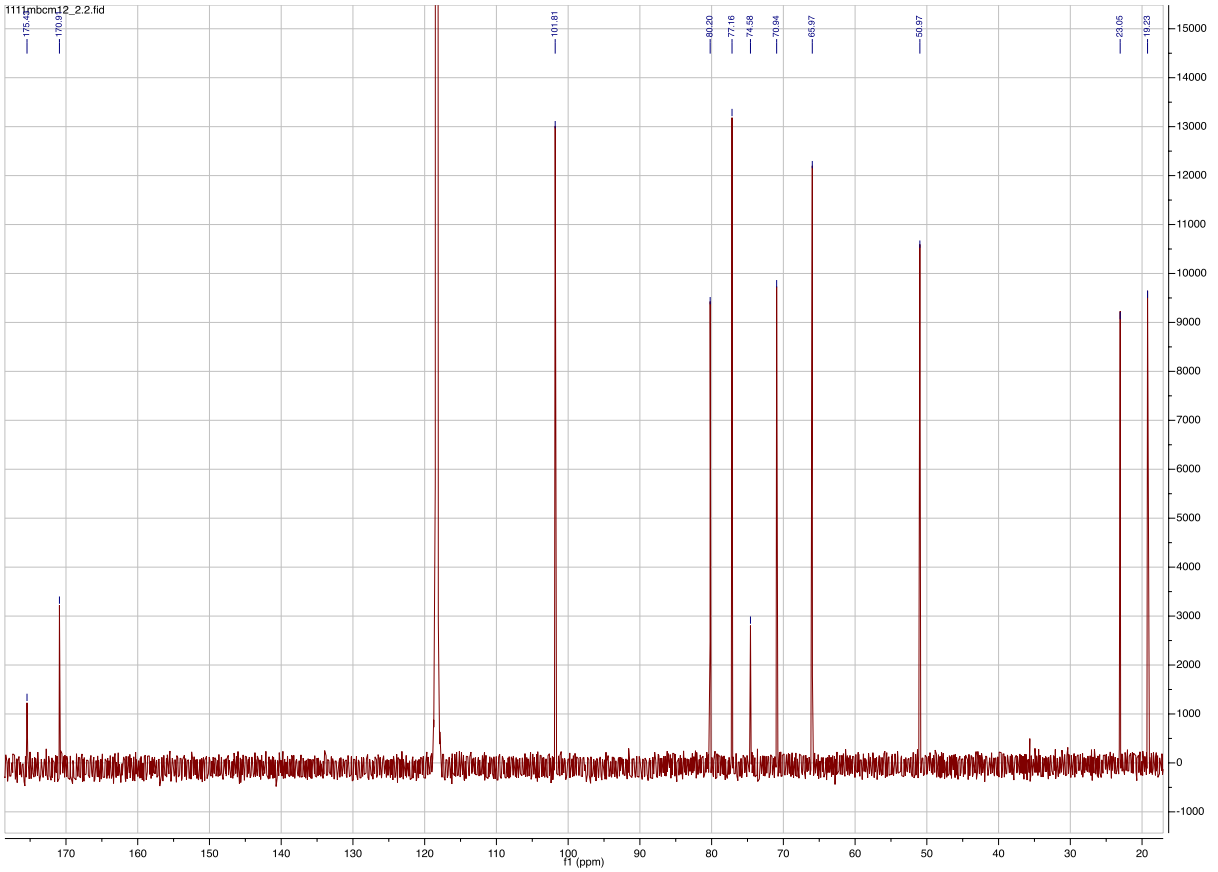

^{13}C NMR data for **5**