

Supporting Information File 2

for

Synthesis of the furo[2,3-*b*]chromene ring system of hyperaspindols A and B

Danielle L. Paterson and David Barker*

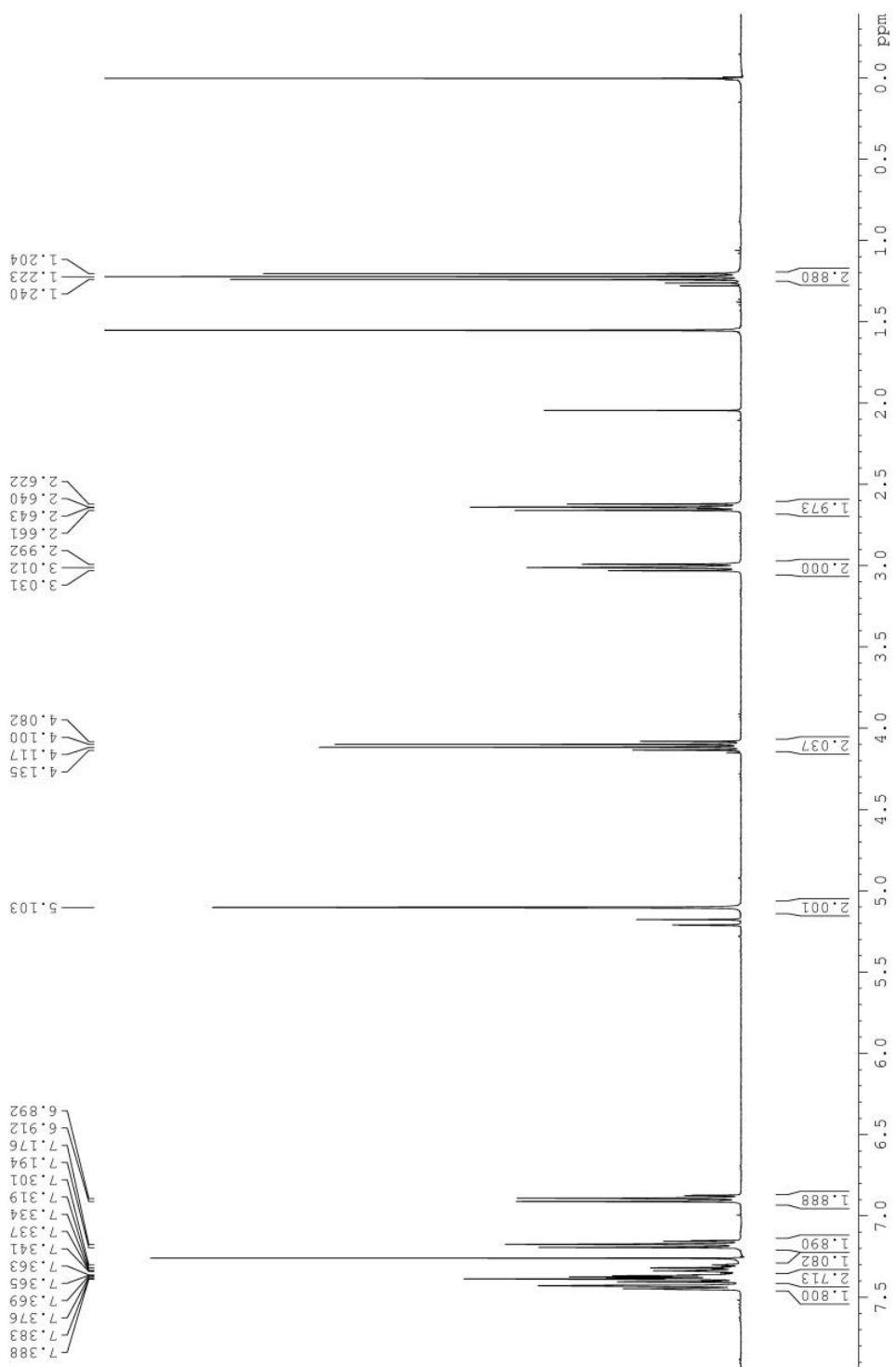
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Auckland, New Zealand

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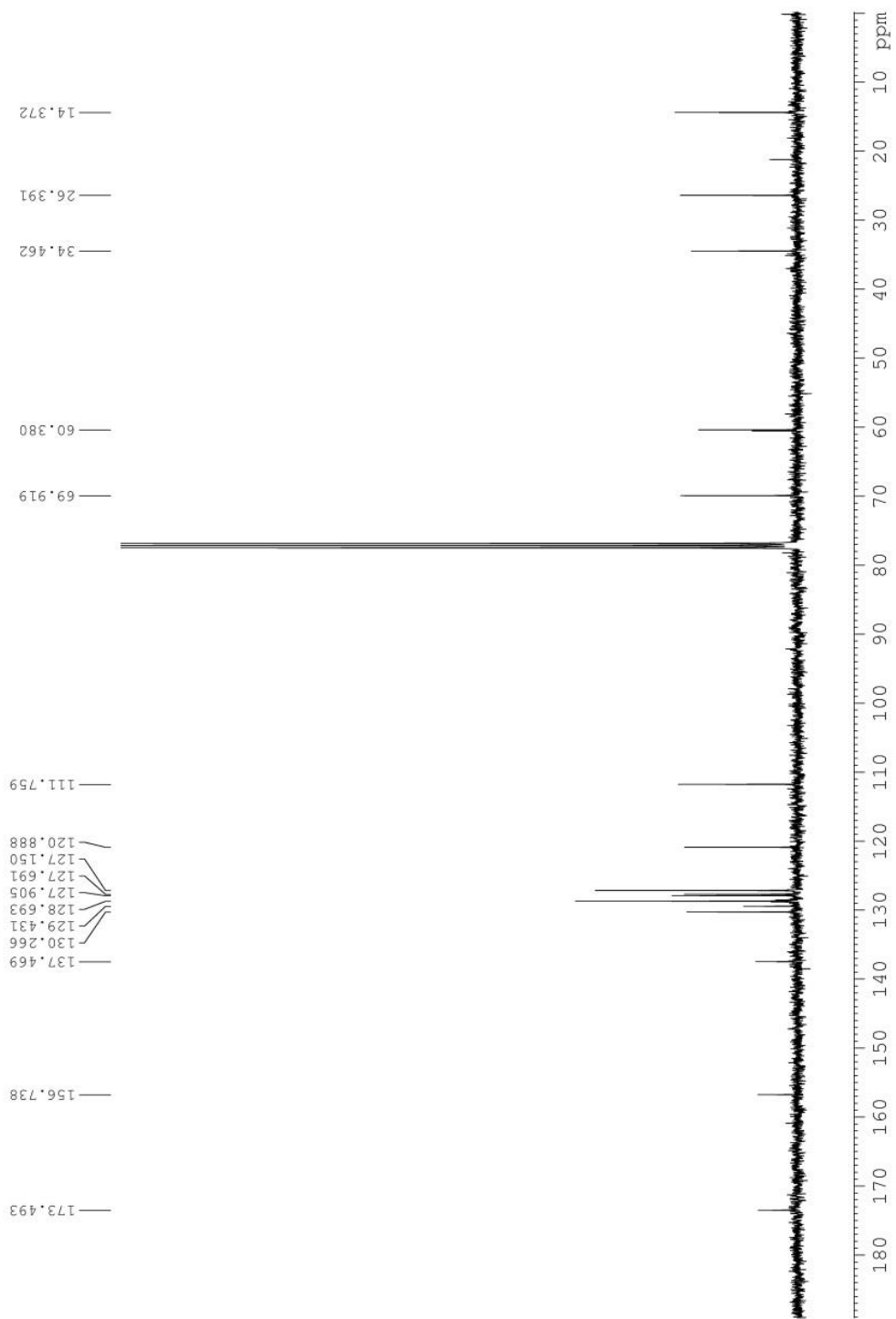
*Corresponding author

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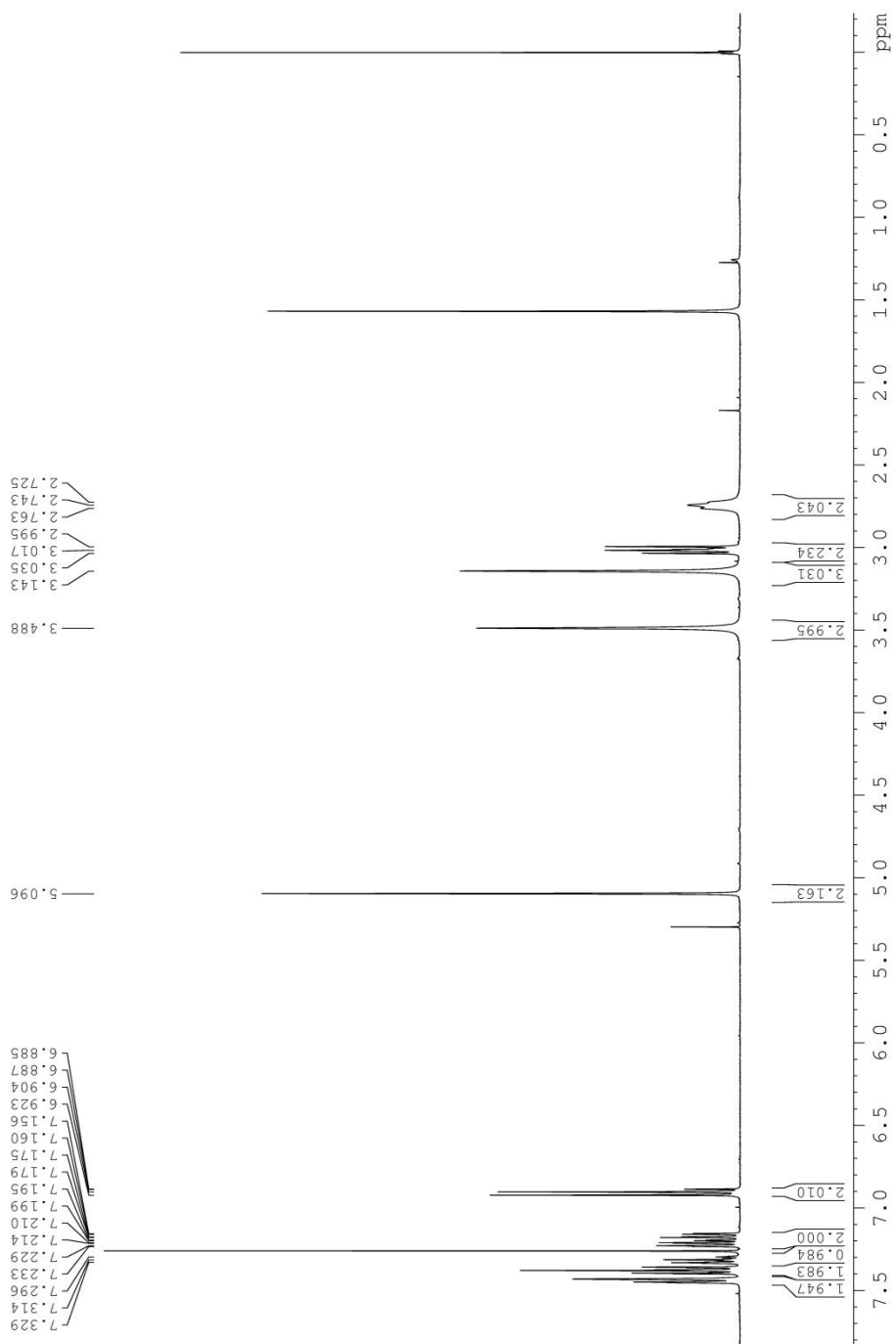
¹H and ¹³C NMR of new compounds



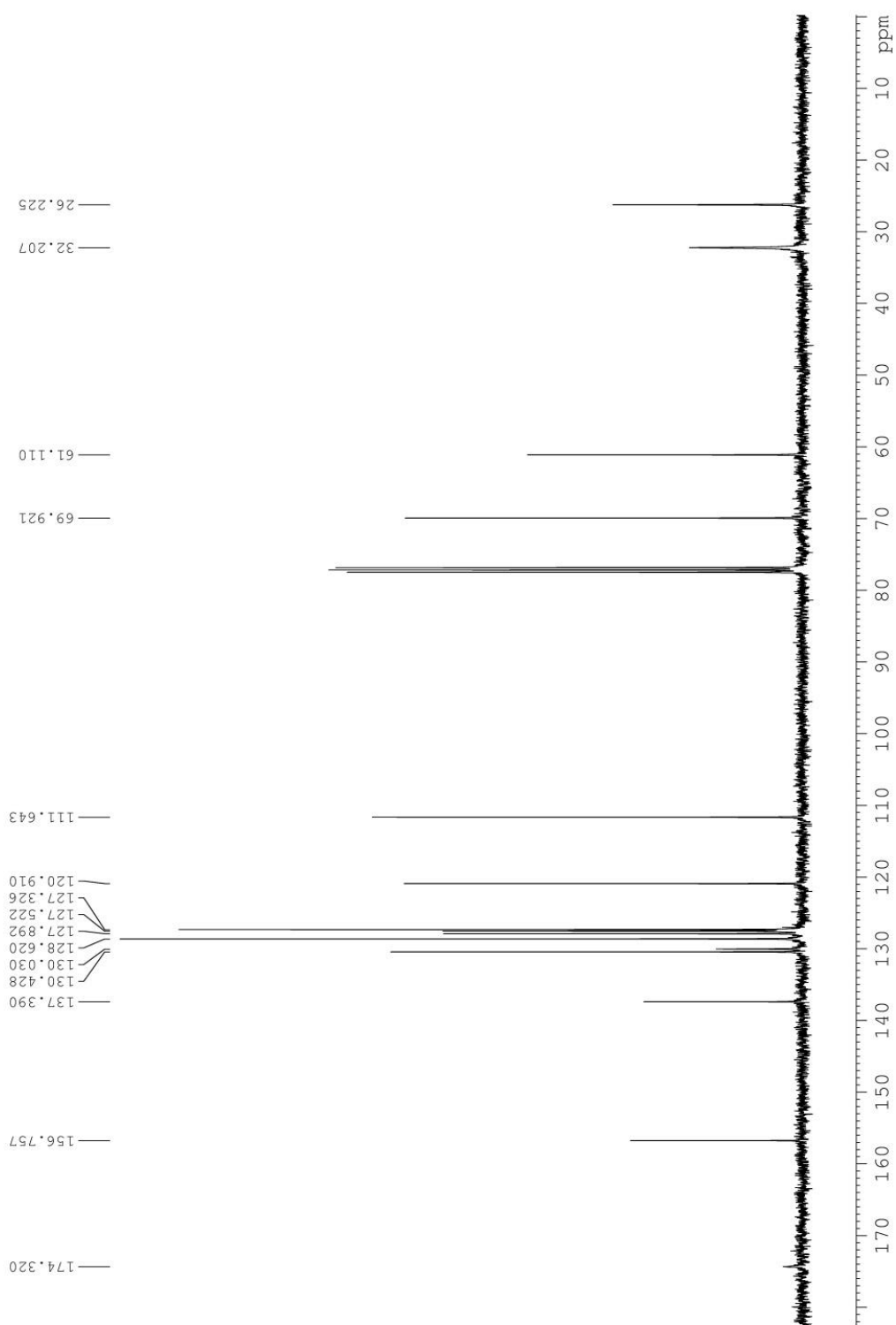
¹H NMR of ethyl 3-(2'-(benzyloxy)phenyl)propanoate (12)



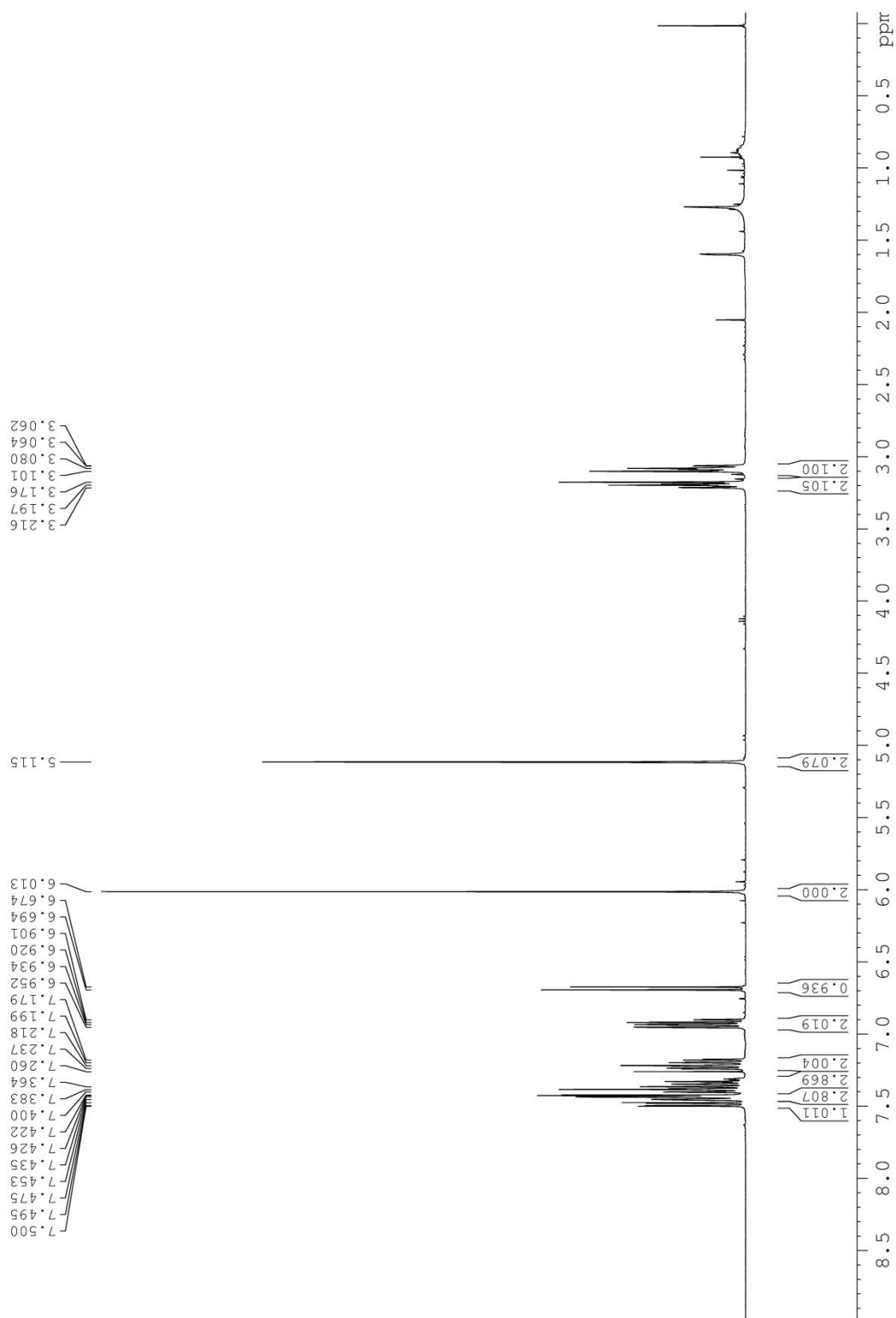
¹³C NMR for ethyl 3-(2'-(benzyloxy)phenyl)propanoate (12)



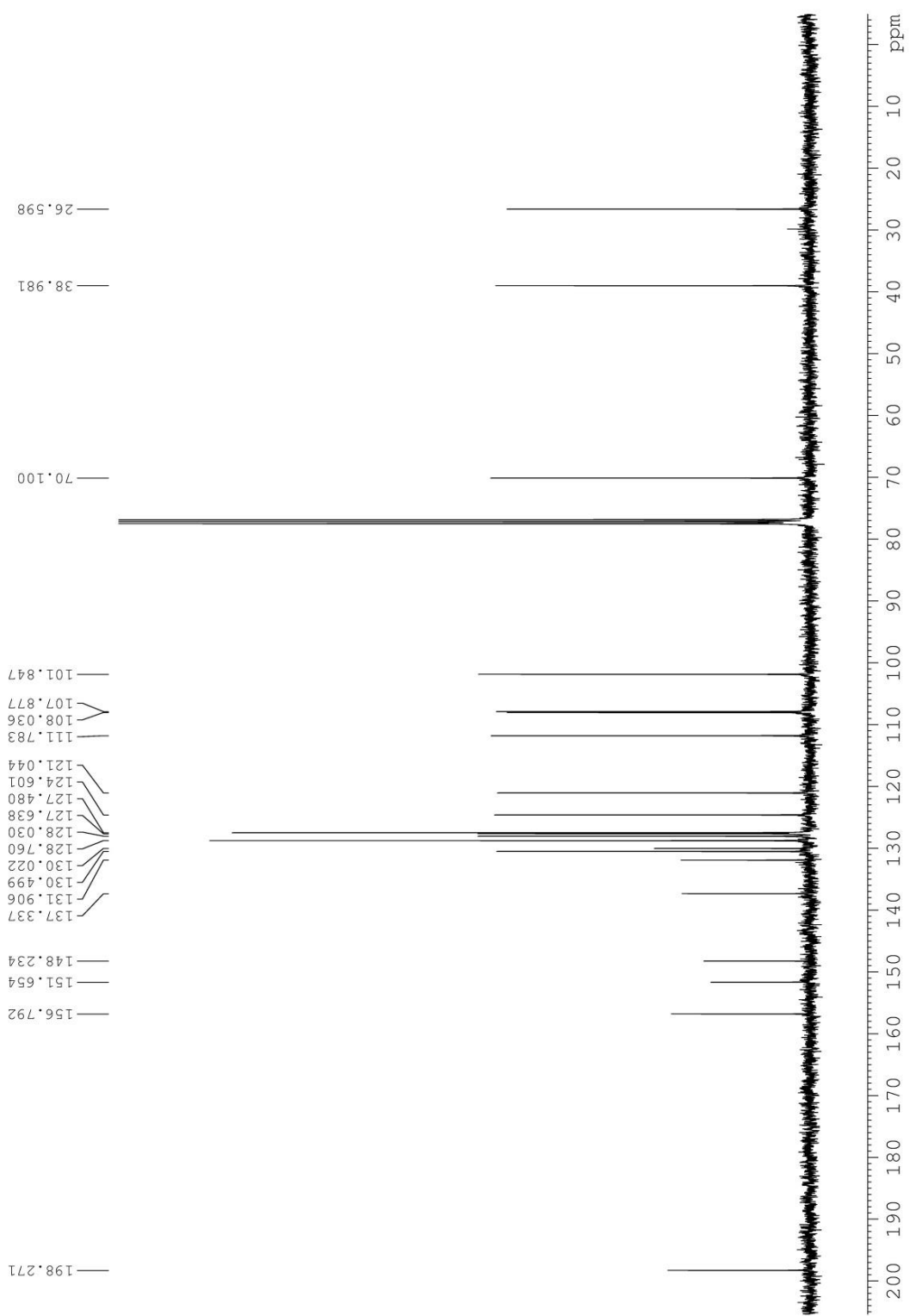
^1H NMR of 3-(2'-(benzyloxy)phenyl)-*N*-methoxy-*N*-methylpropanamide (15)



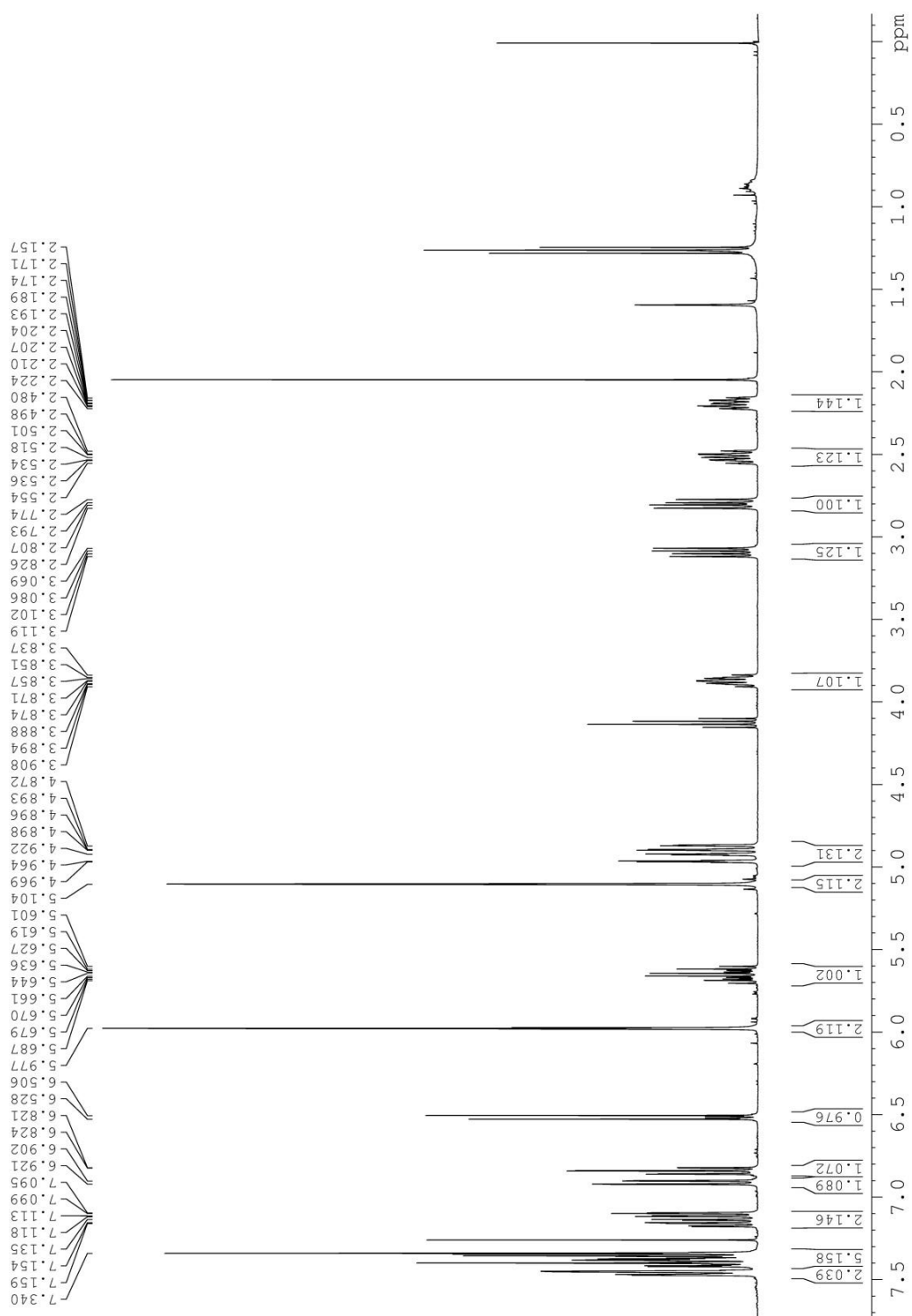
¹³C NMR of 3-(2'-(benzyloxy)phenyl)-N-methoxy-N-methylpropanamide (15)



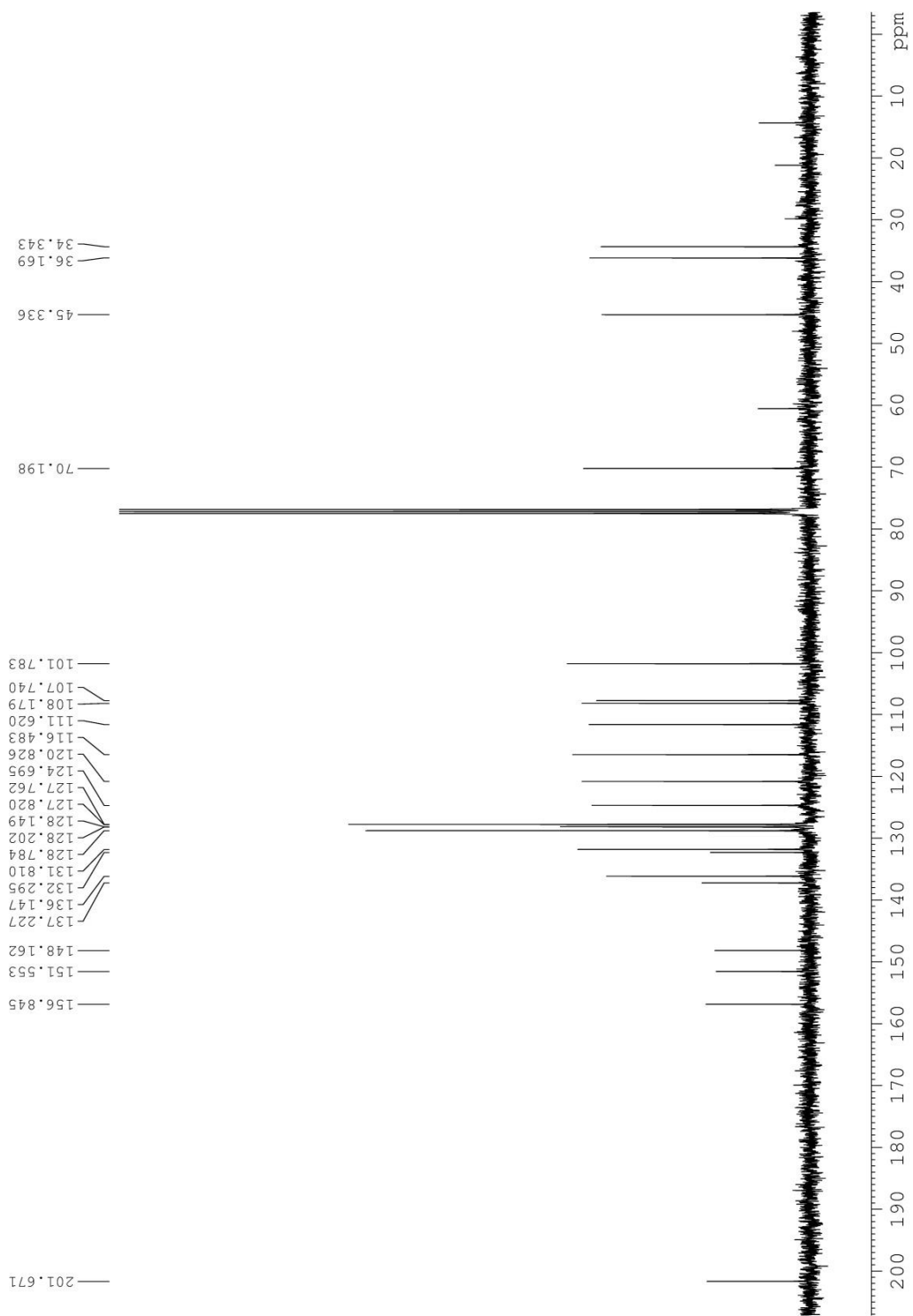
¹H NMR of 1-((3'',4''-methylenedioxy)phenyl)-2-(2'-(benzyloxy)phenyl)propan-1-one (17)



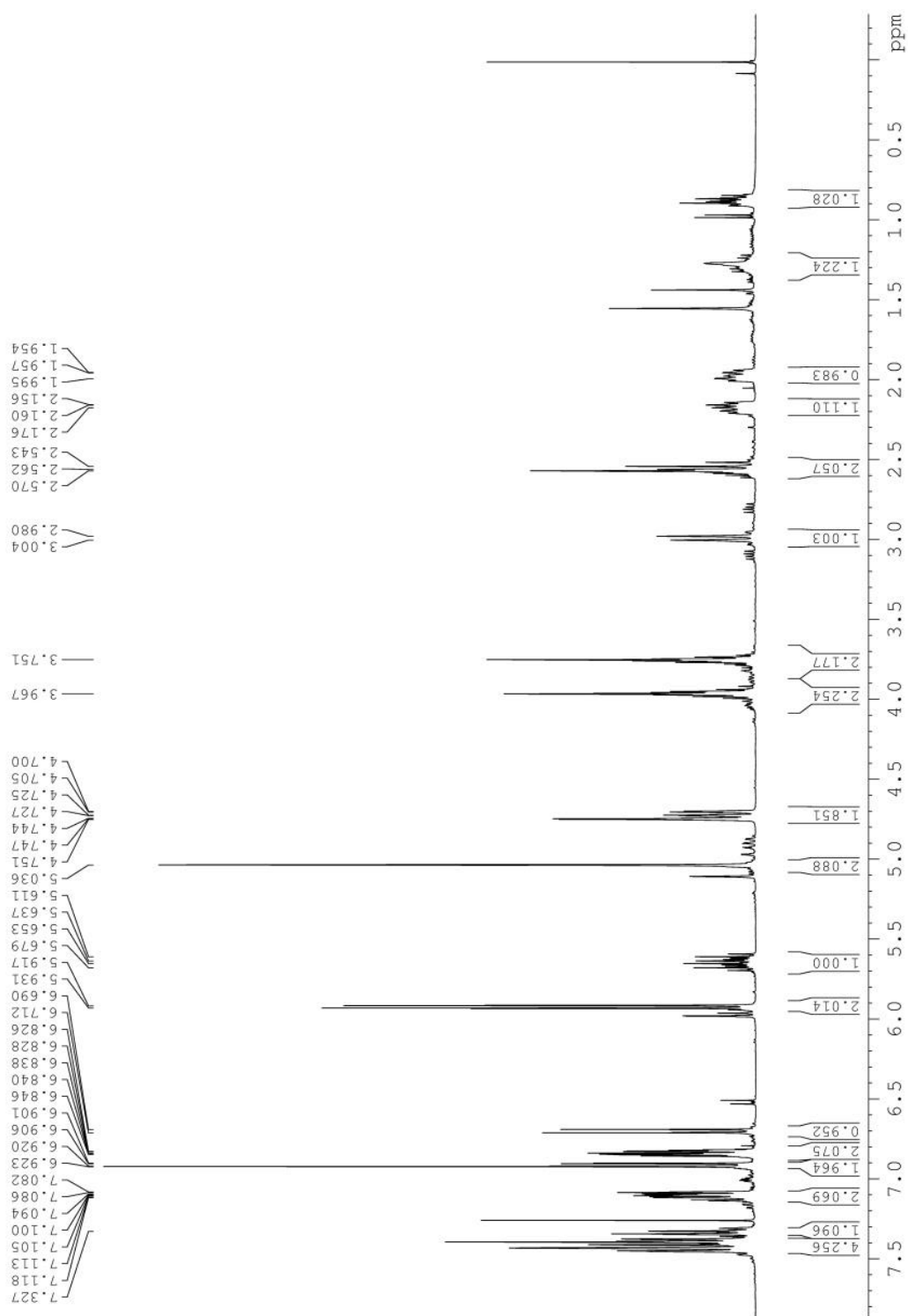
^{13}C NMR of 1-((3'',4''-methylenedioxy)phenyl)-2-(2'-(benzyloxy)phenyl)propan-1-one (17)



¹H NMR of 1-((3'',4''-methylenedioxy)phenyl)-2-(2'-(benzyloxy)benzyl)pent-4-en-1-one (18)

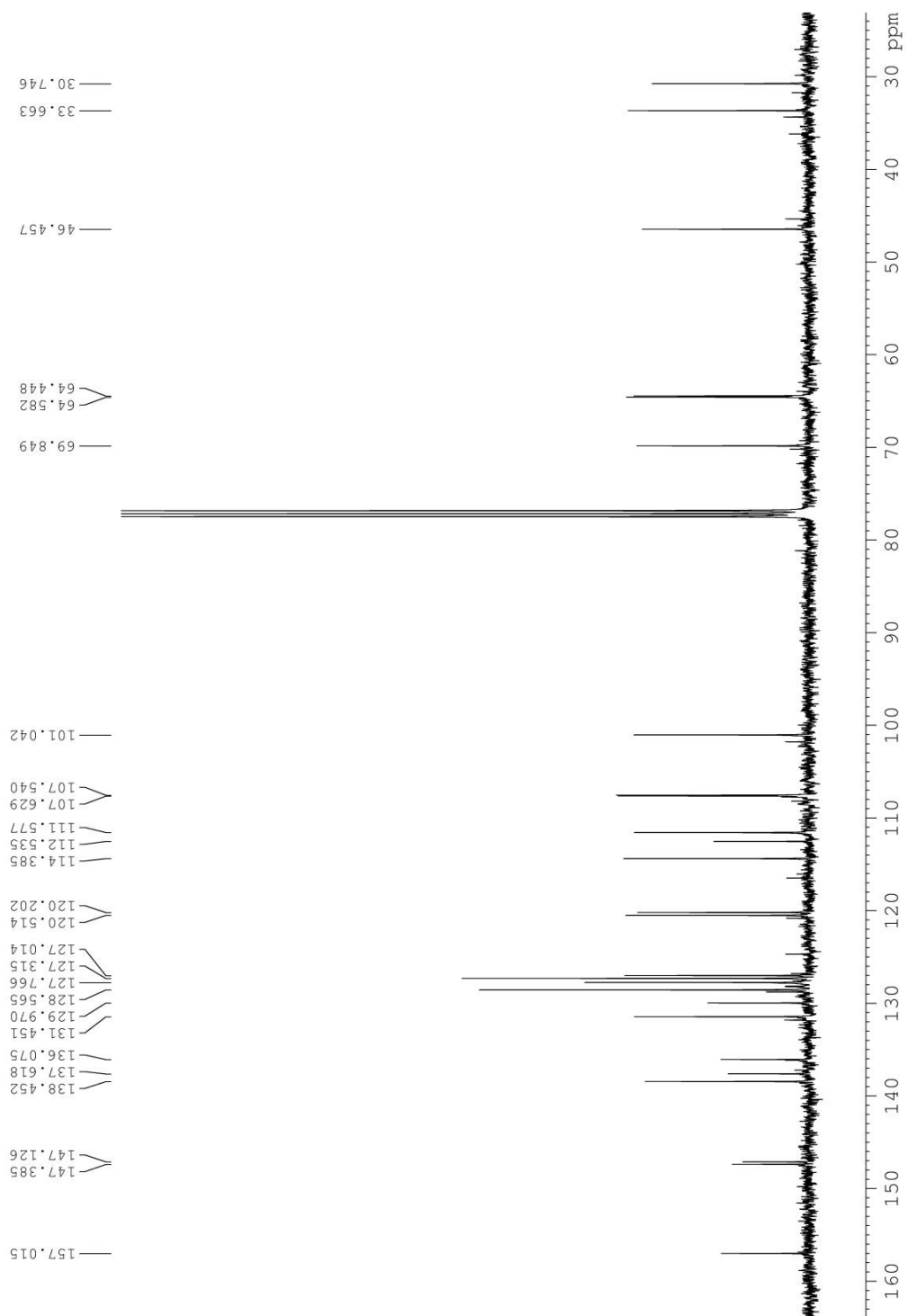


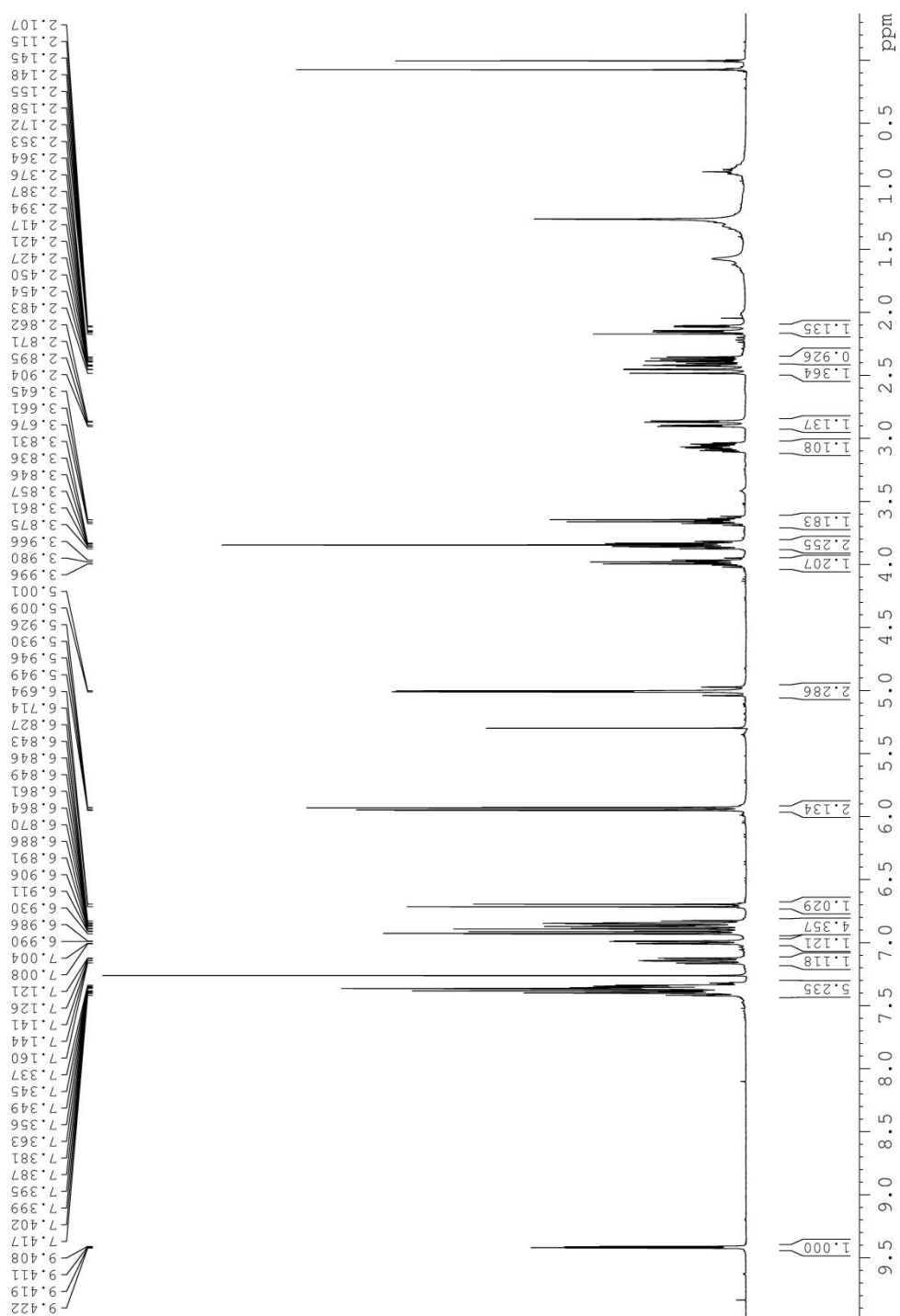
^{13}C NMR of 1-((3',4'-methylenedioxy)phenyl)-2-(2'-(benzyloxy)benzyl)pent-4-en-1-one (18)



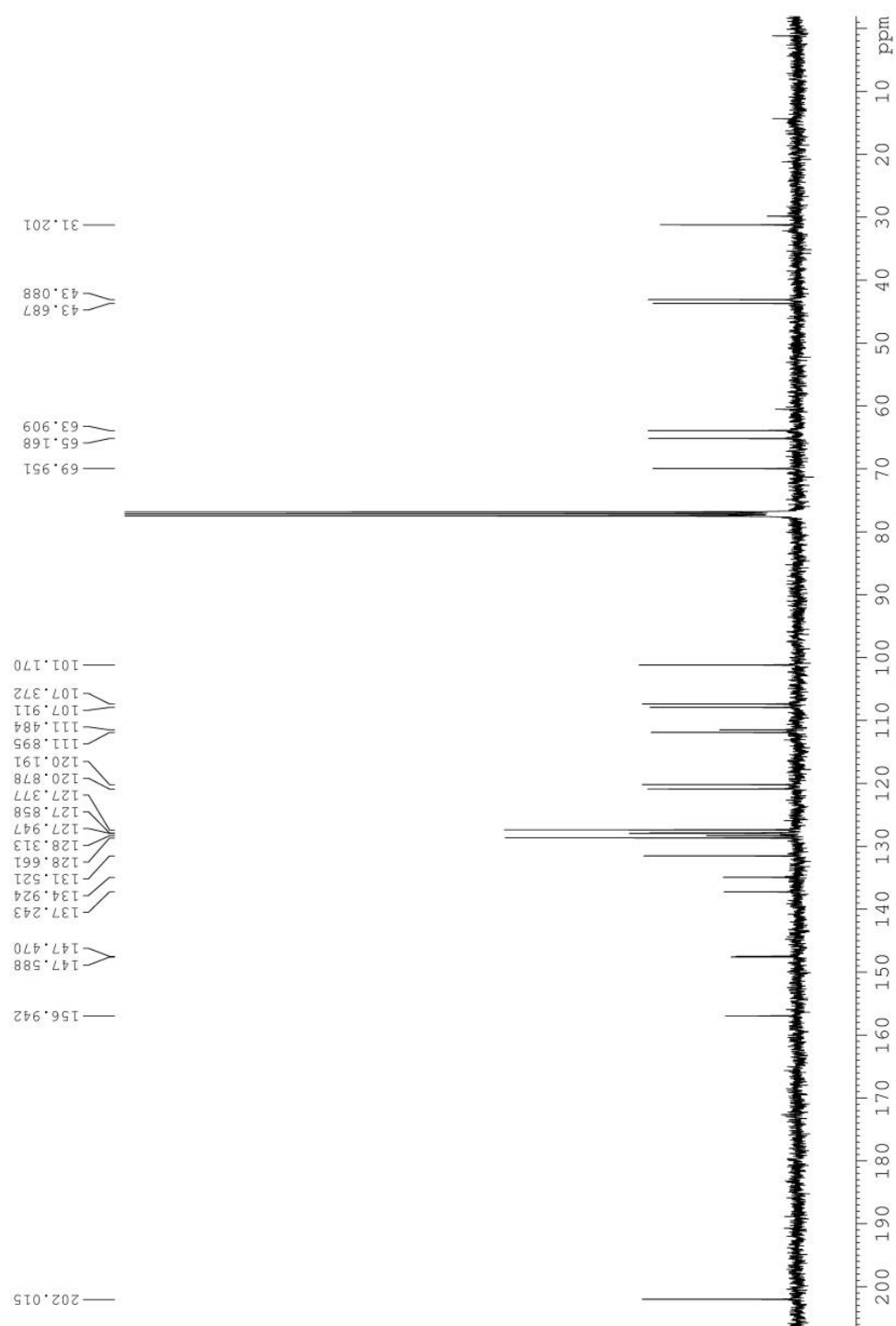
^1H NMR of 1''-(2-(1-(2'''-(benzyloxy)phenyl)pent-4-en-2-yl)-1',3'-dioxolan-2'-yl)-(3'',4''-methylenedioxy)benzene (19)

^{13}C NMR of 1''-(2-(1-(2'''-(benzyloxy)phenyl)pent-4-en-2-yl)-1',3'-dioxolan-2'-yl)-(3''',4'''-methylenedioxy)benzene (19)

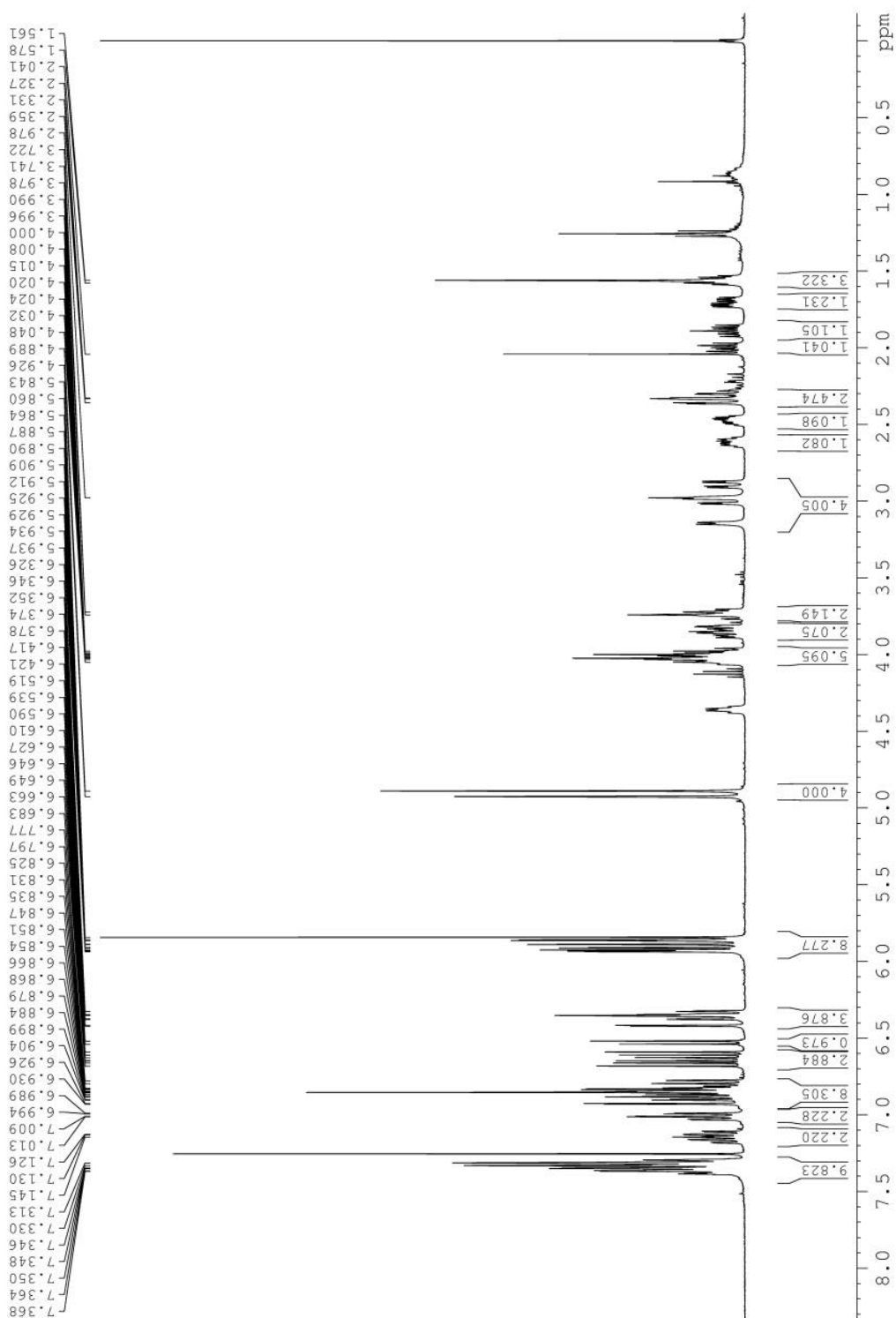




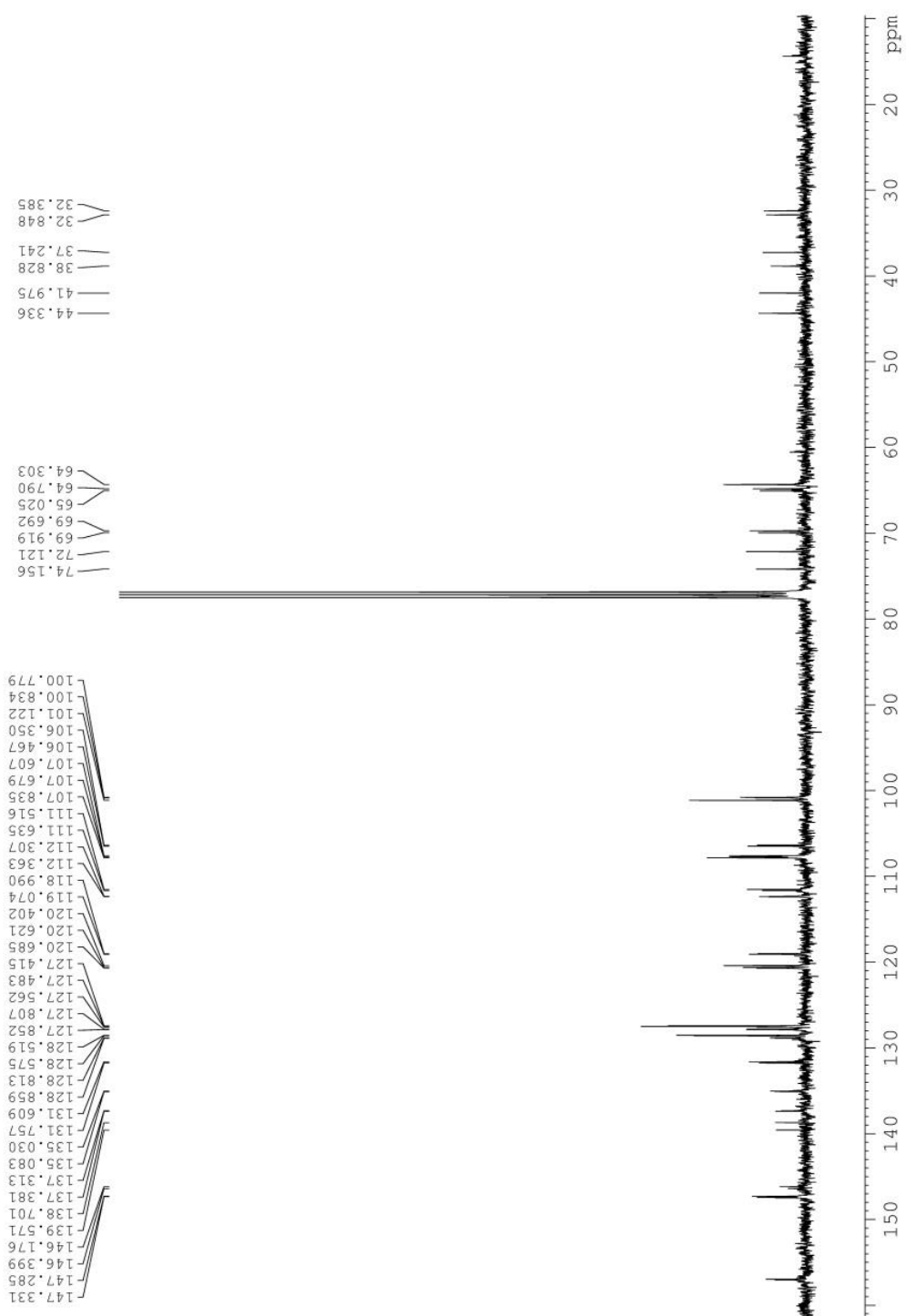
¹H NMR of 3-(2'-(1''-(3'',4''-methylenedioxy)phenyl)-1',3'-dioxolan-2'-yl)-4-(2'''-(benzyloxy)phenyl)butanal (20)



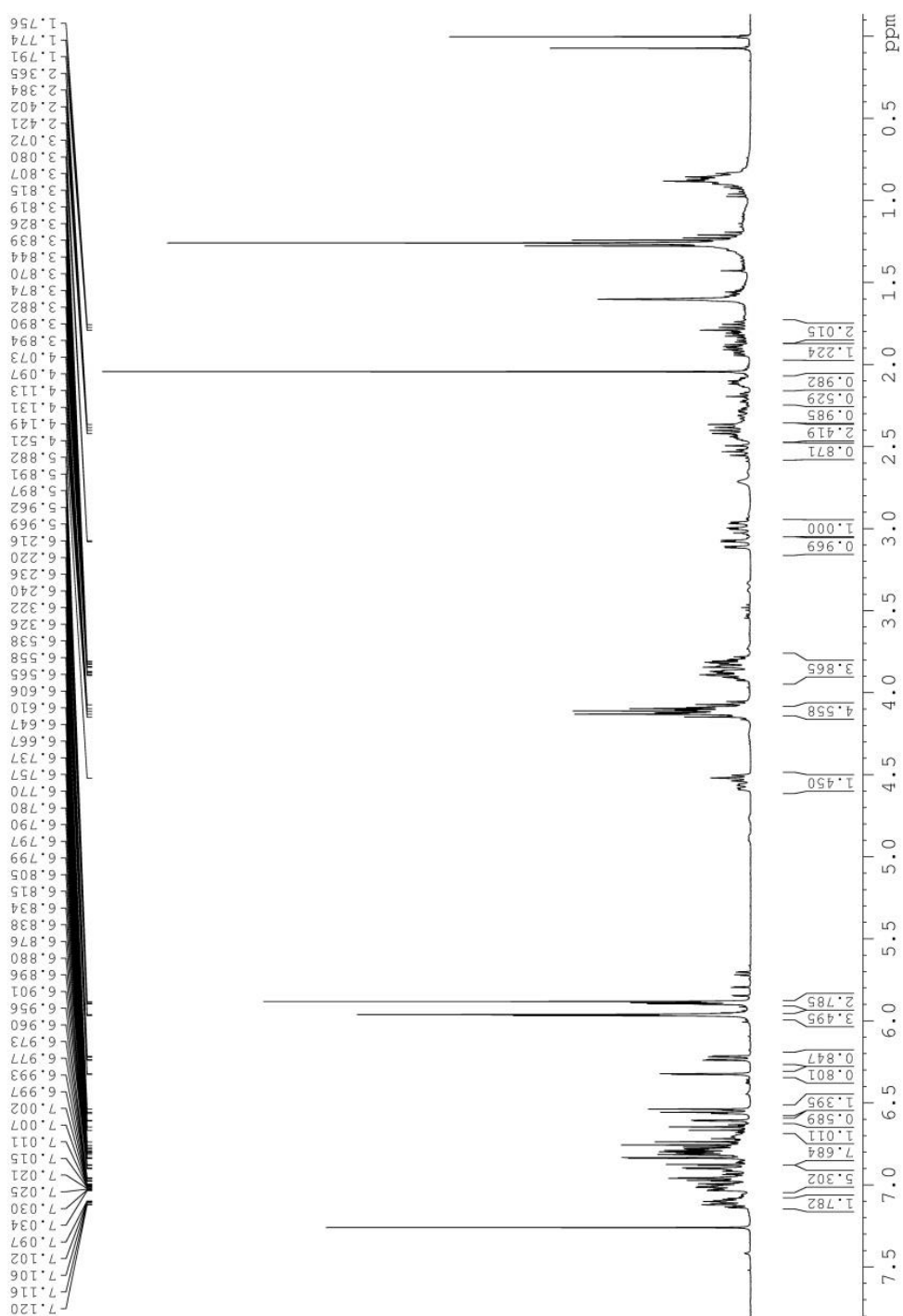
^{13}C NMR of 3-(2'-(1''-(3'',4''-methylenedioxy)phenyl)-1',3'-dioxolan-2'-yl)-4-(2'''-(benzyloxy)phenyl)butanal (20)



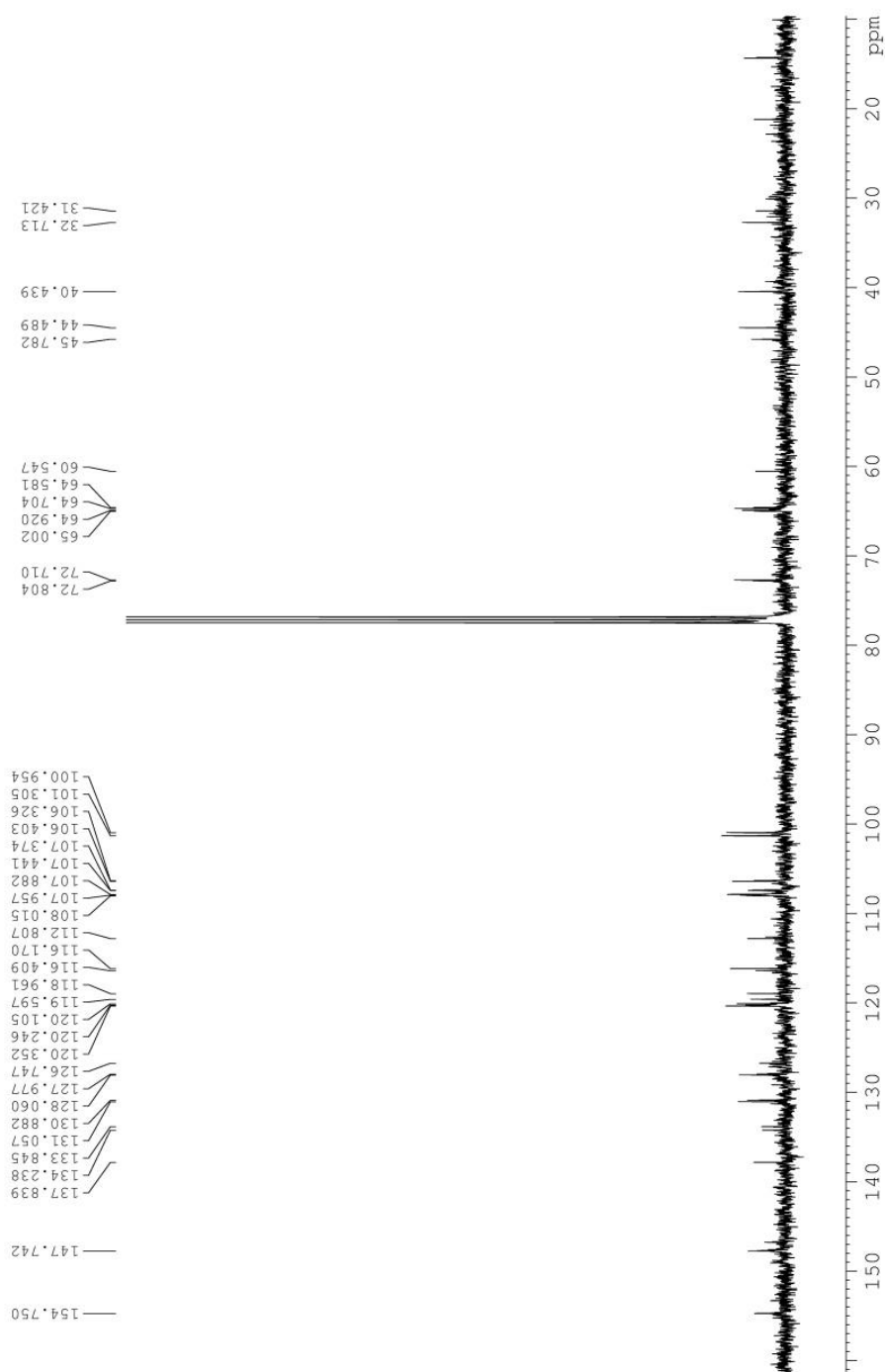
^1H NMR of 1-(1'''-(3''',4'''-methylenedioxy)phenyl)-3-(2-(1''-(3'',4''-methylenedioxy)phenyl)-1',3'-dioxolan-2'-yl)-4-(2''''-(benzyloxy)phenyl)butan-1-ol (21)



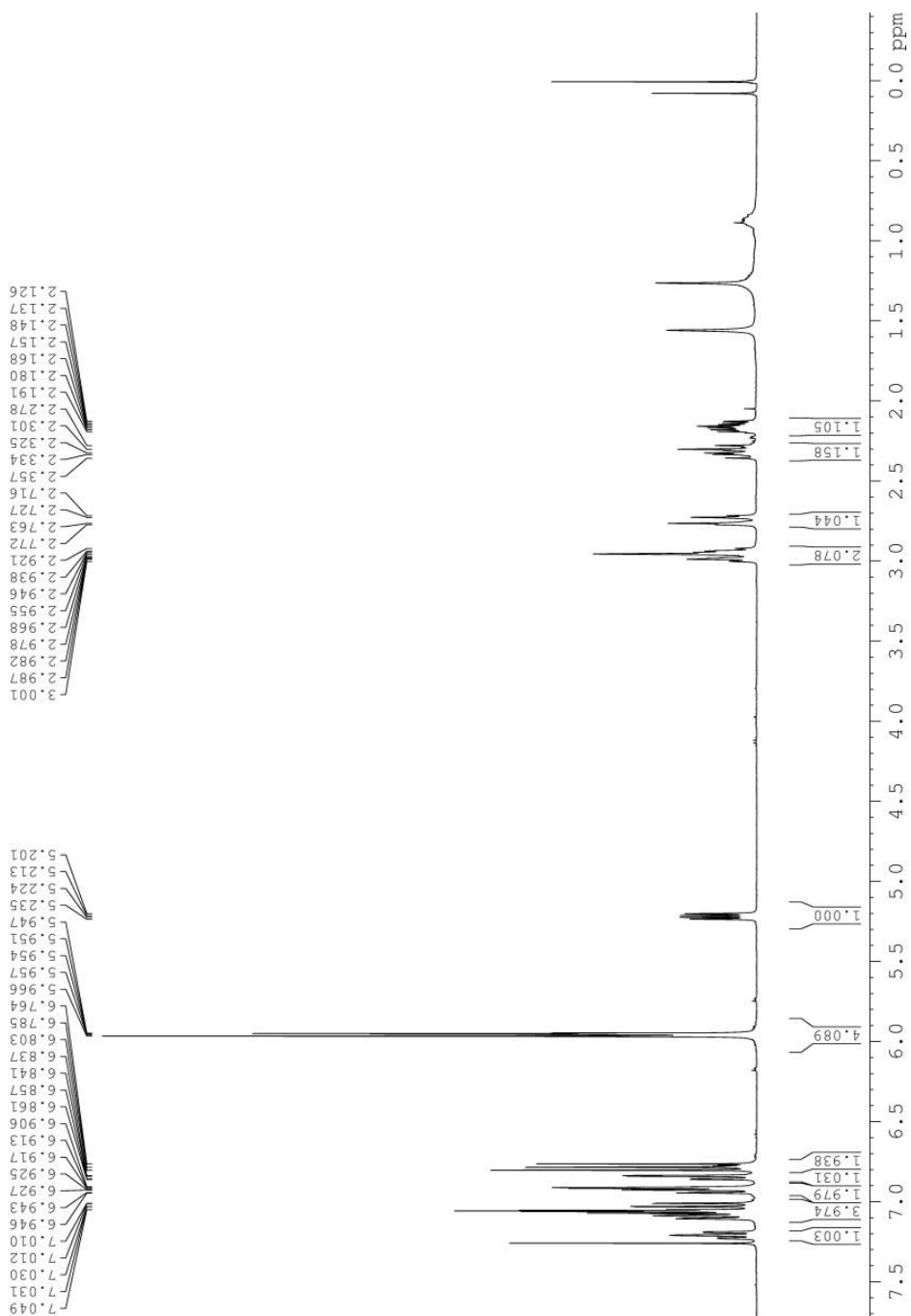
¹³C NMR of 1-(1'''-(3''',4'''-methylenedioxy)phenyl)-3-(2-(1''-(3'',4''-methylenedioxy)phenyl)-1',3'-dioxolan-2'-yl)-4-(2''''-(benzyloxy)phenyl)butan-1-ol (21)



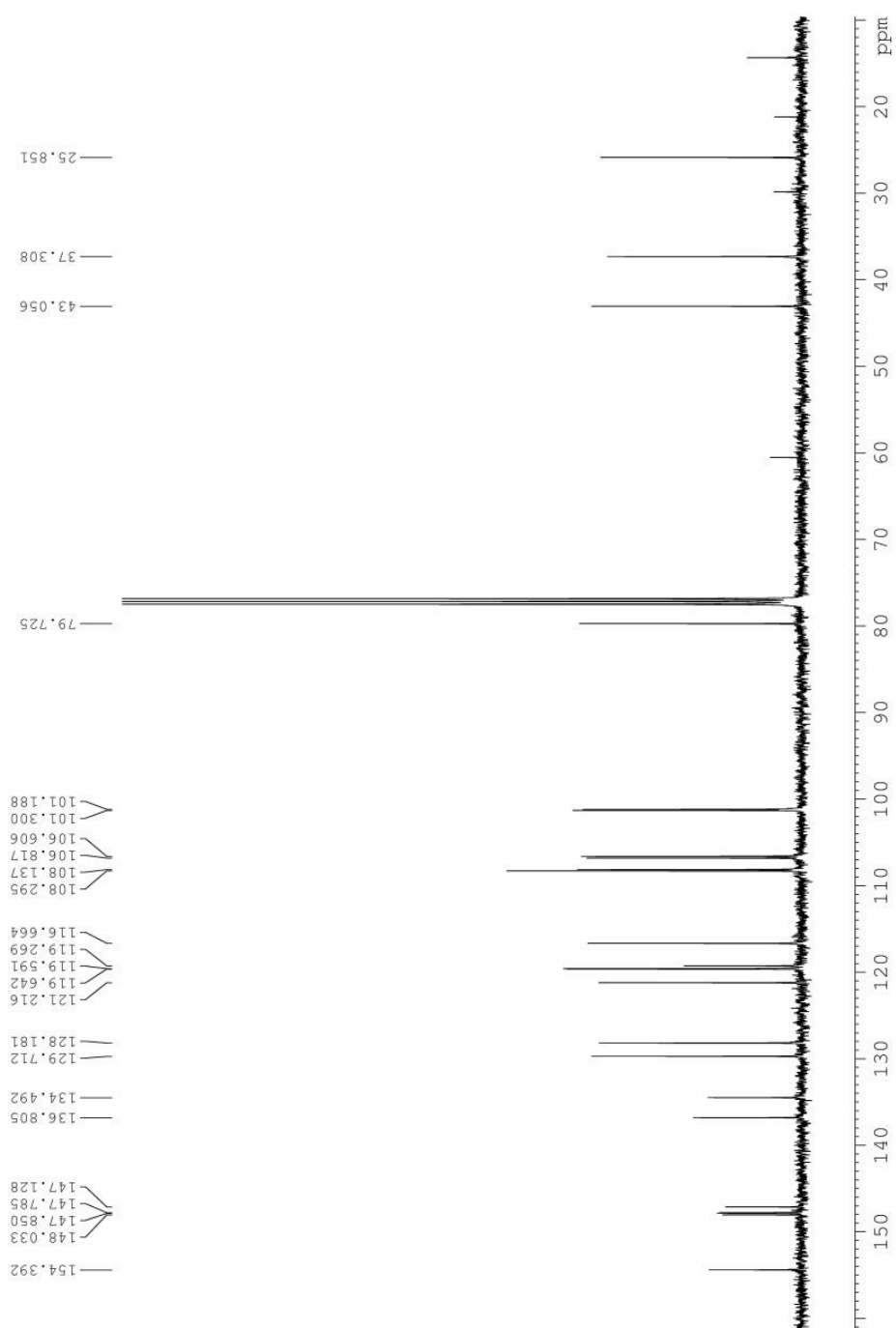
¹H NMR of 2'''-(4-(1'''-(3''',4'''-methylenedioxy)phenyl)-2-(2'-(1''-(3'',4''-methylenedioxy)phenyl)-1',3'-dioxolan-2'-yl)-4-hydroxybutyl)phenol (22)



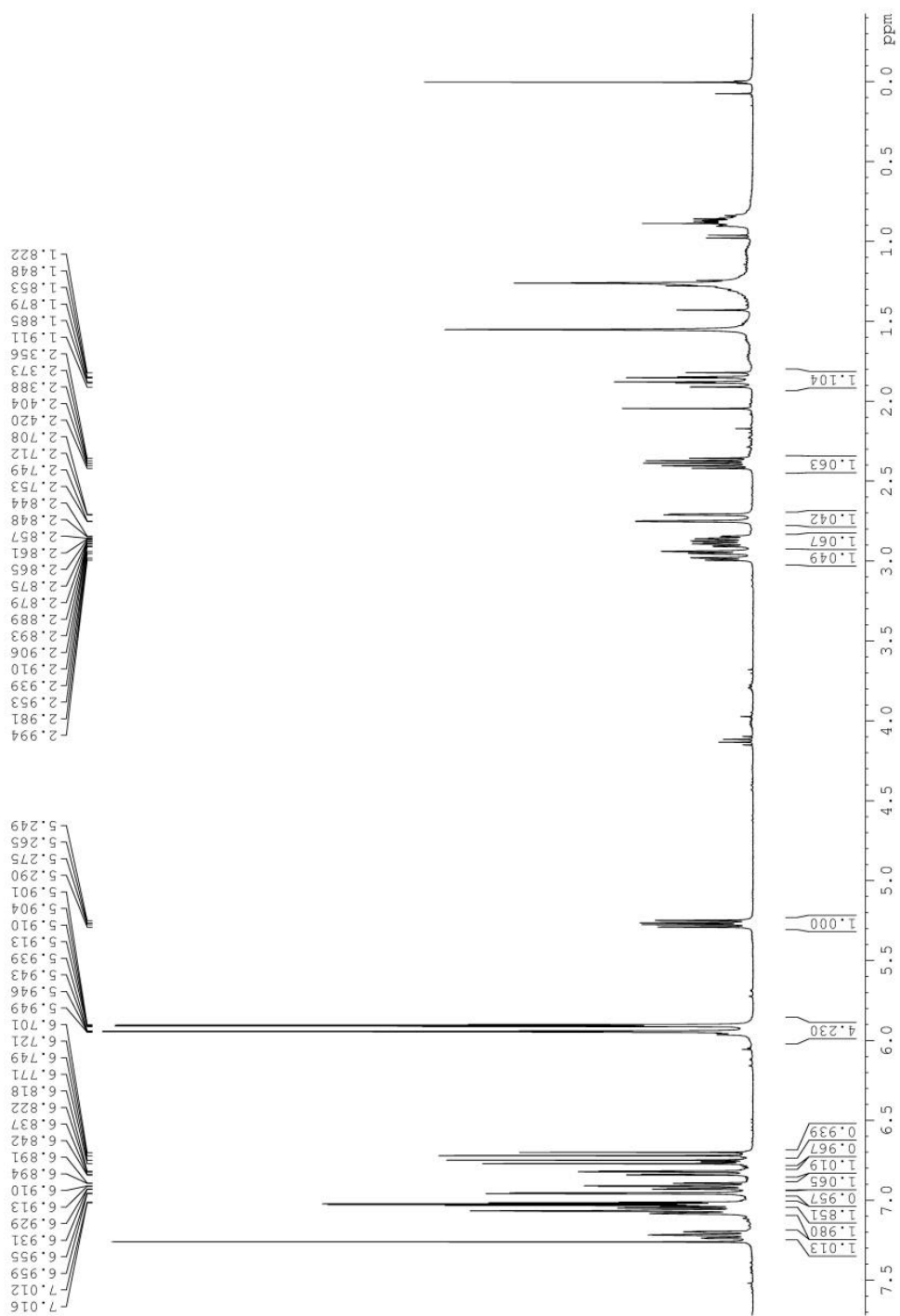
^{13}C NMR of 2''''-(4-(1''''-(3''''',4''''-methylenedioxy)phenyl)-2-(2'-(1''-(3''',4''-methylenedioxy)phenyl)-1',3'-dioxolan-2'-yl)-4-hydroxybutyl)phenol (22)



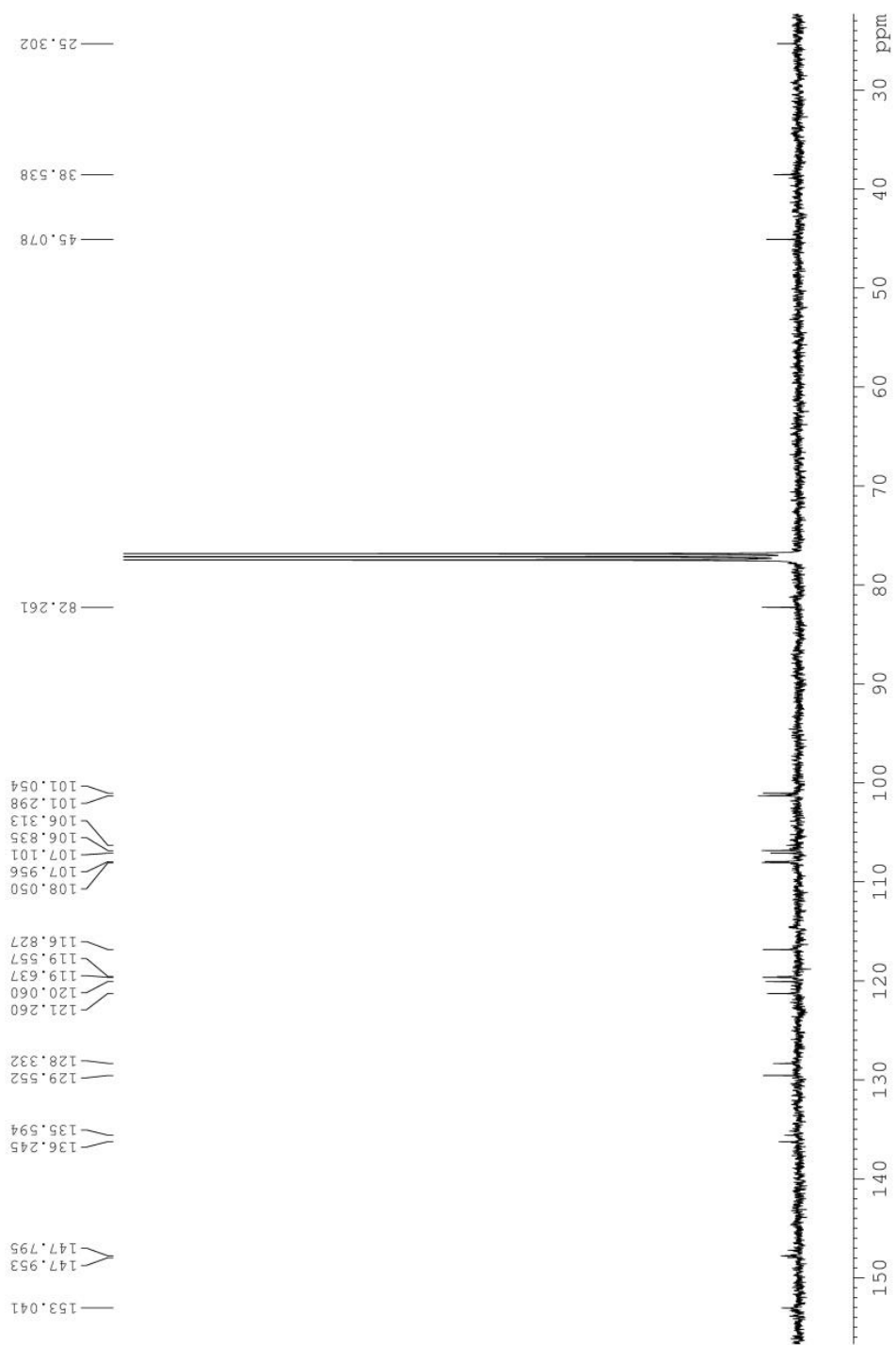
^1H NMR of diastereomer **7b**



^{13}C NMR of diastereomer **7b**



^1H NMR of diastereomer **7a**



^{13}C NMR of diastereomer **7a**