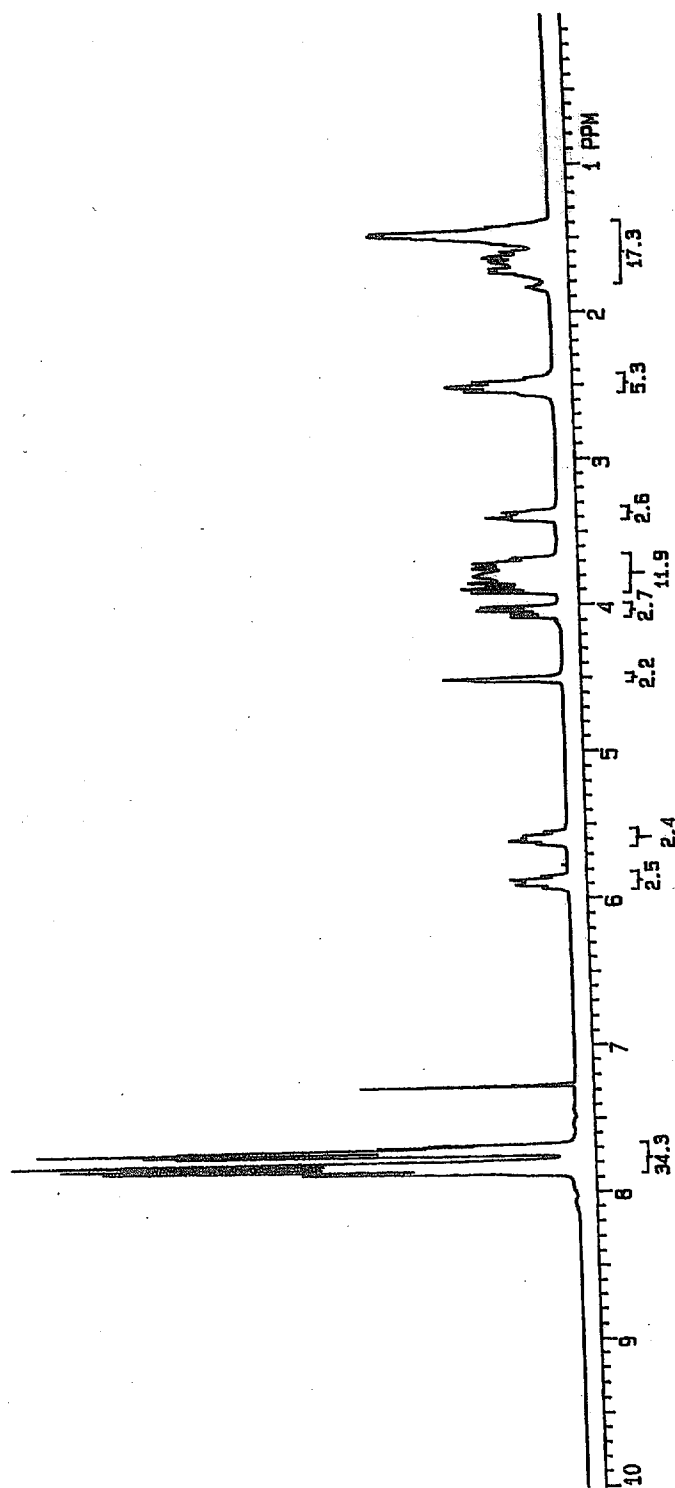
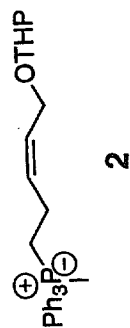
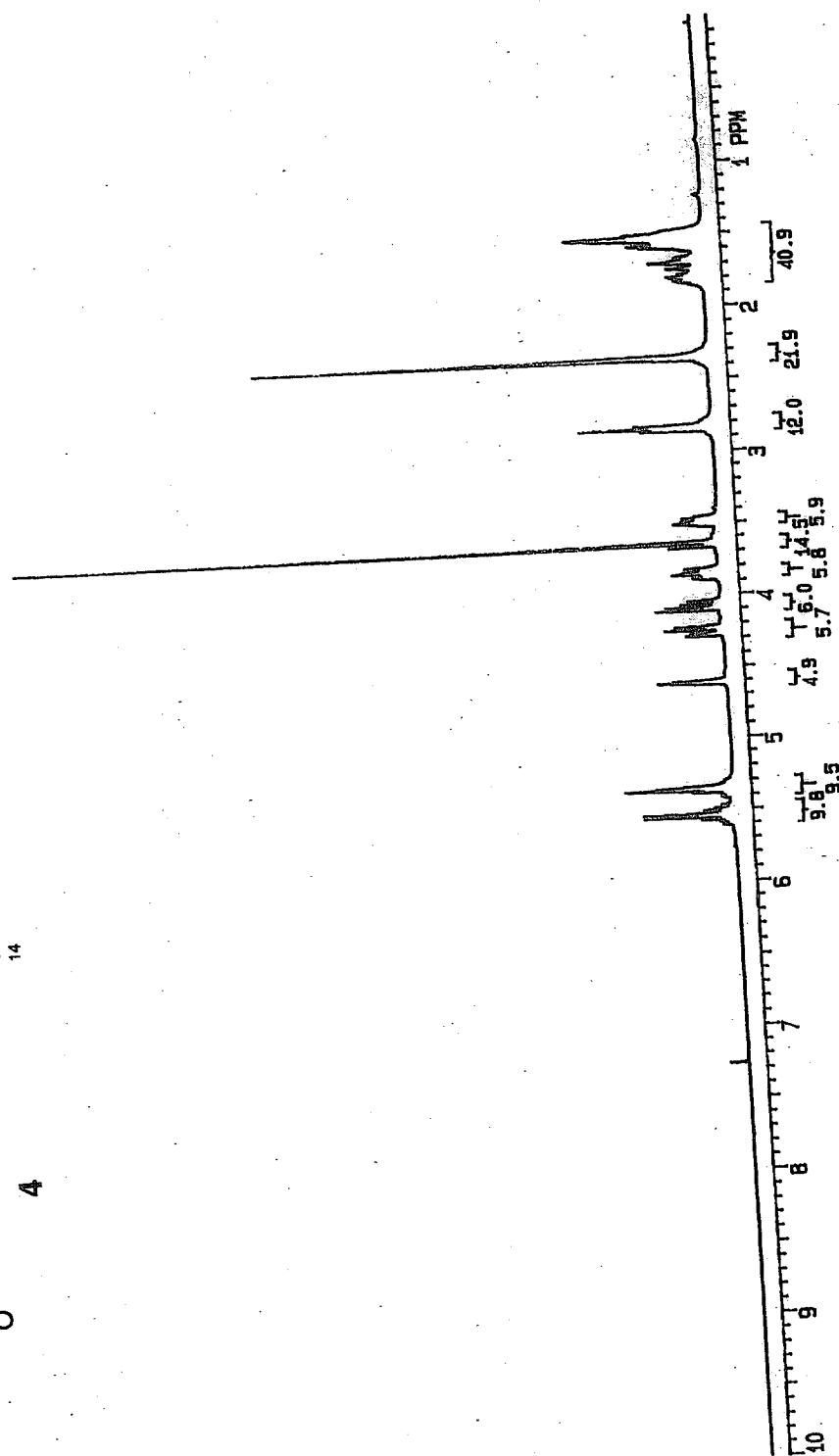
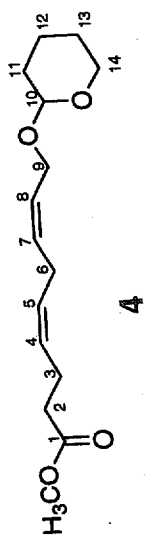
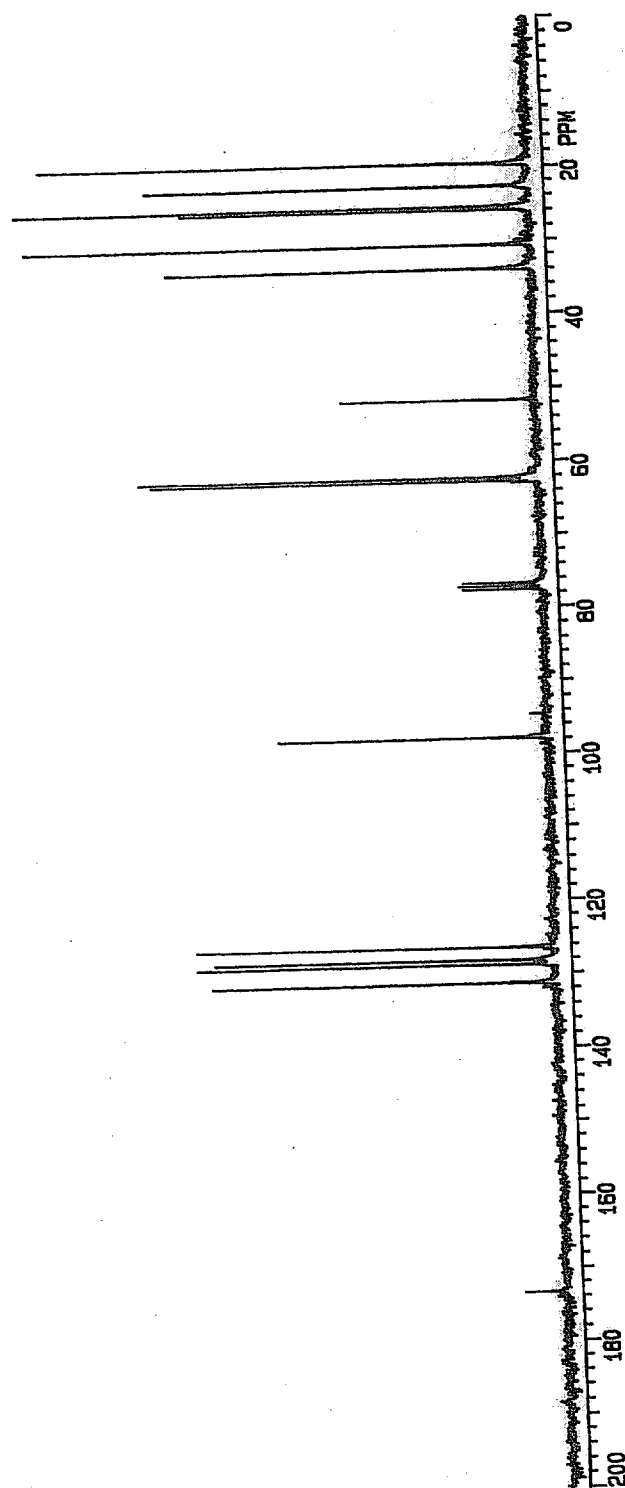
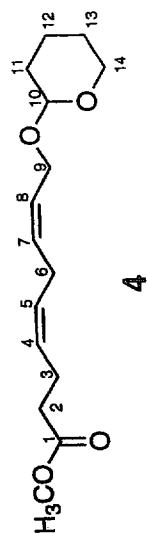




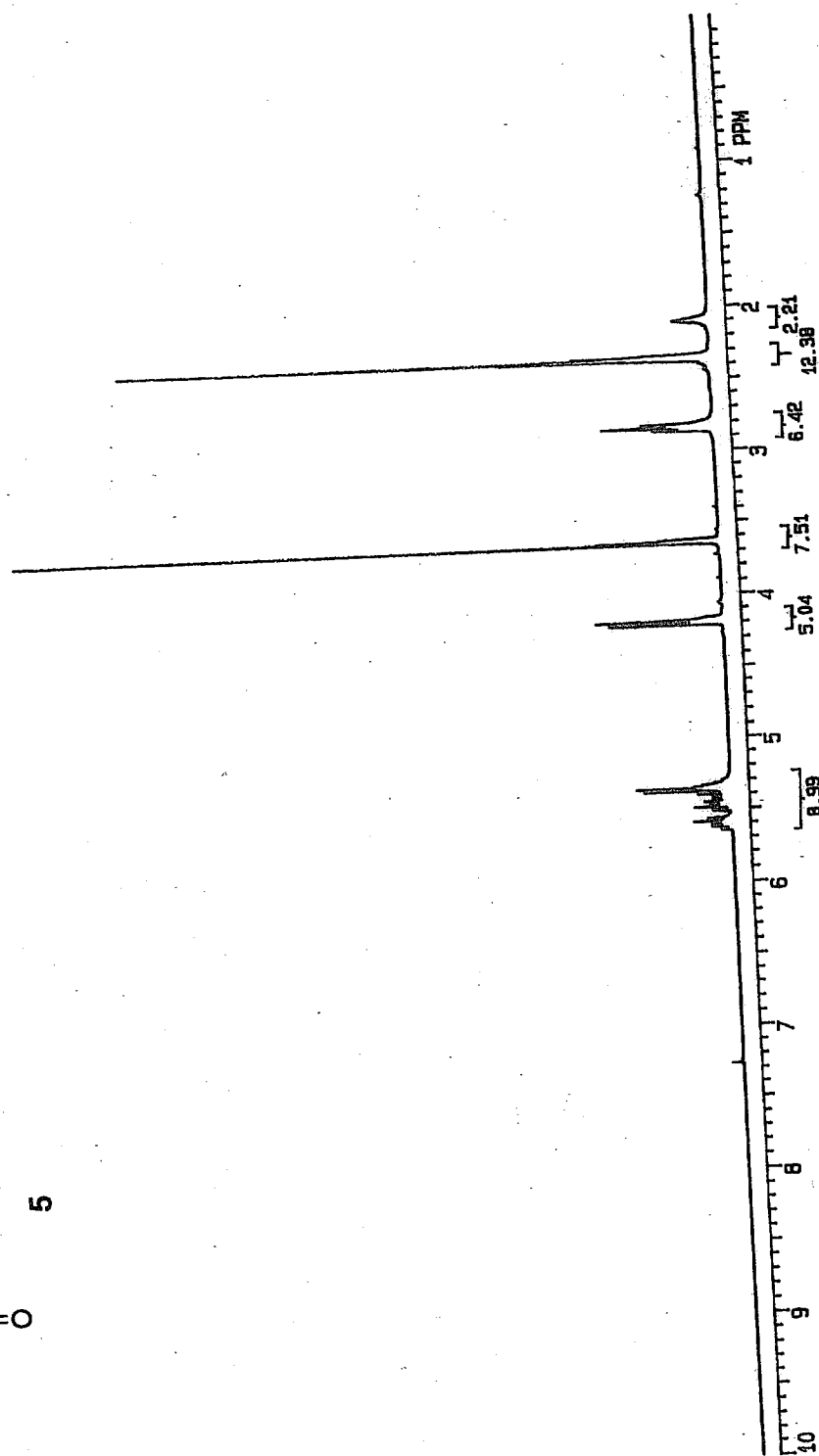
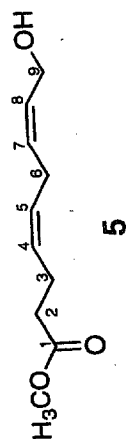
The 300 MHz ^1H NMR spectrum (CDCl_3) of 5-(2-Tetrahydropyranyloxy)-3(Z)-pentenyl-triphenyl-phosphonium Iodide (**2**)



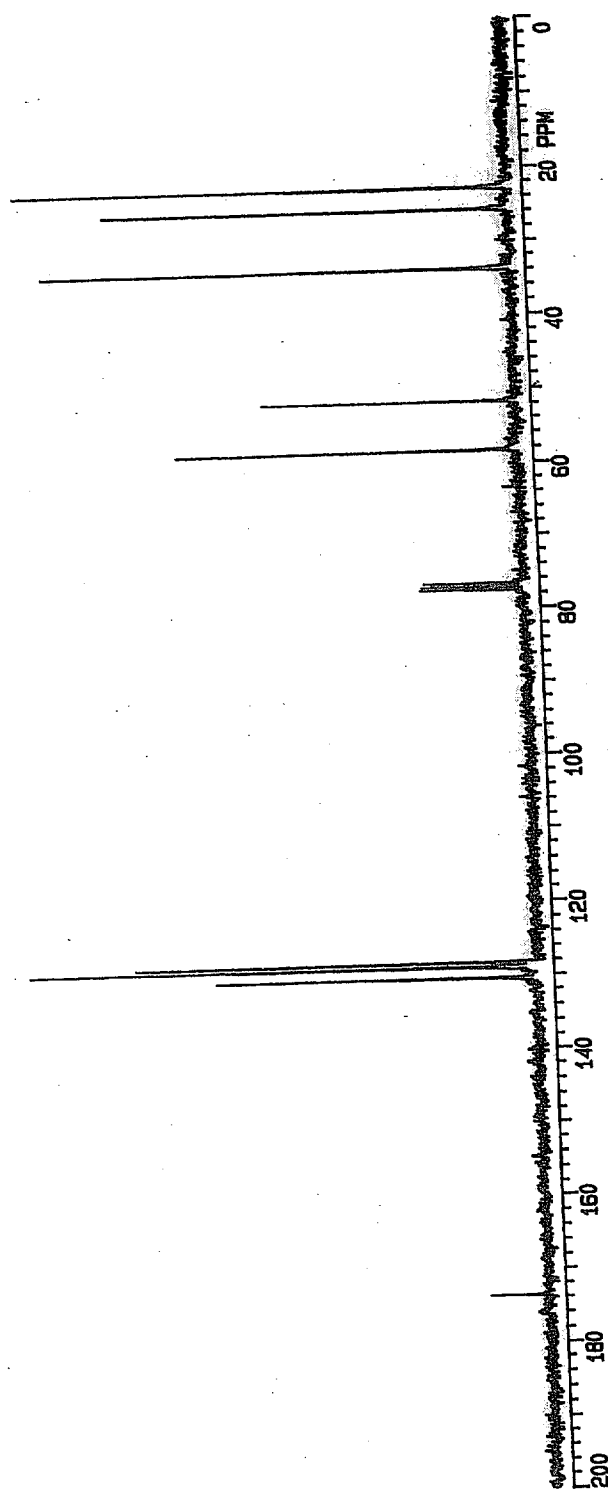
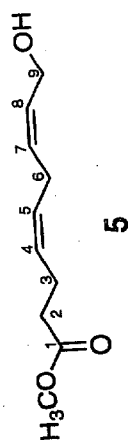
The 300 MHz ^1H NMR spectrum (CDCl_3) of Methyl 9-(2-Tetrahydropyranyloxy)nona-4(Z),7(Z)-dienoate (**4**)



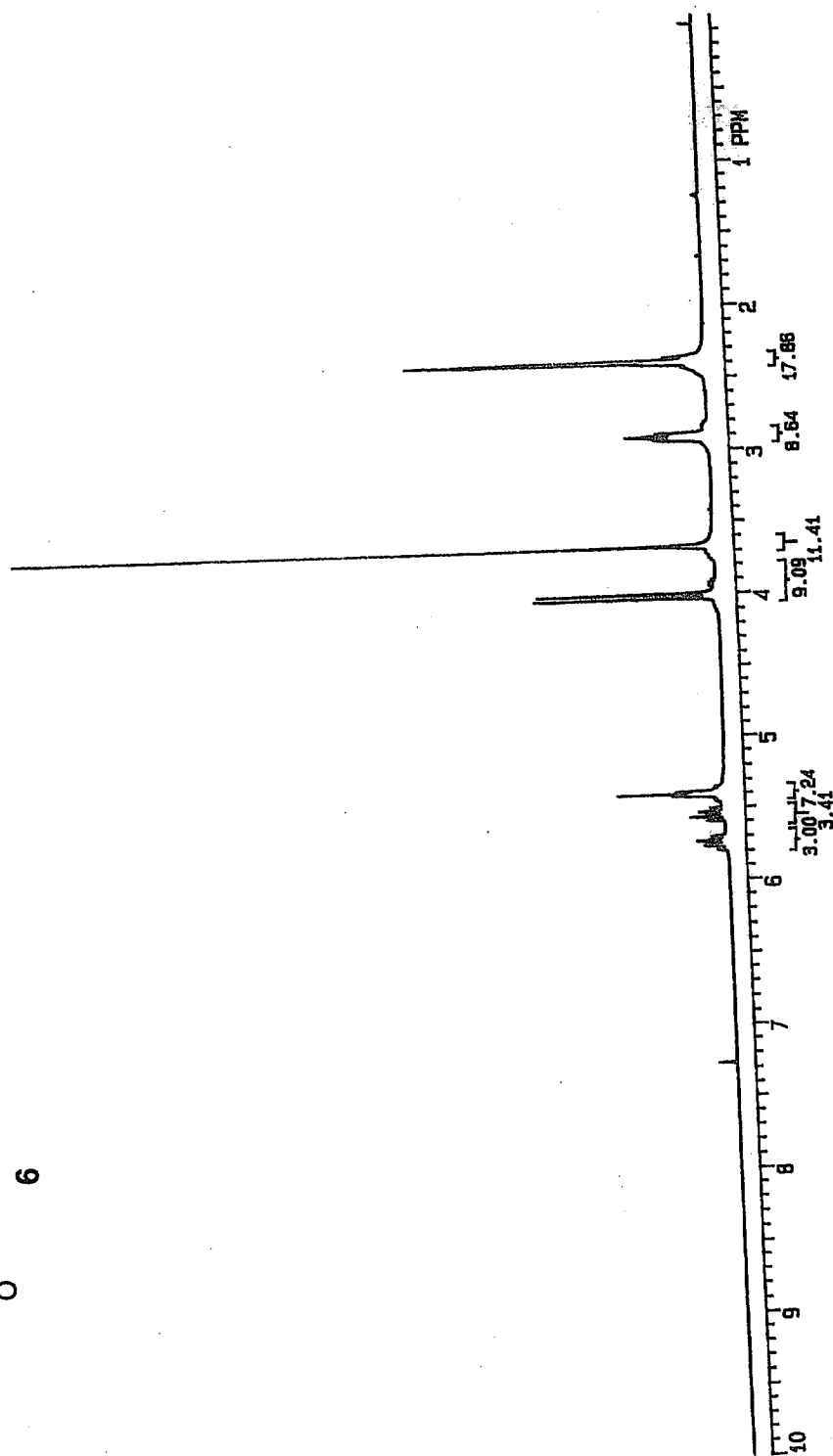
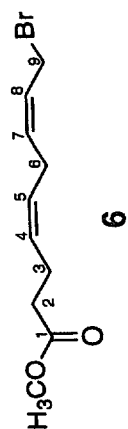
The 75 MHz ^{13}C NMR spectrum (CDCl_3) of Methyl 9-(2-(2-Tetrahydropyranyloxy)nona-4(Z),7(Z)-dienoate (**4**)



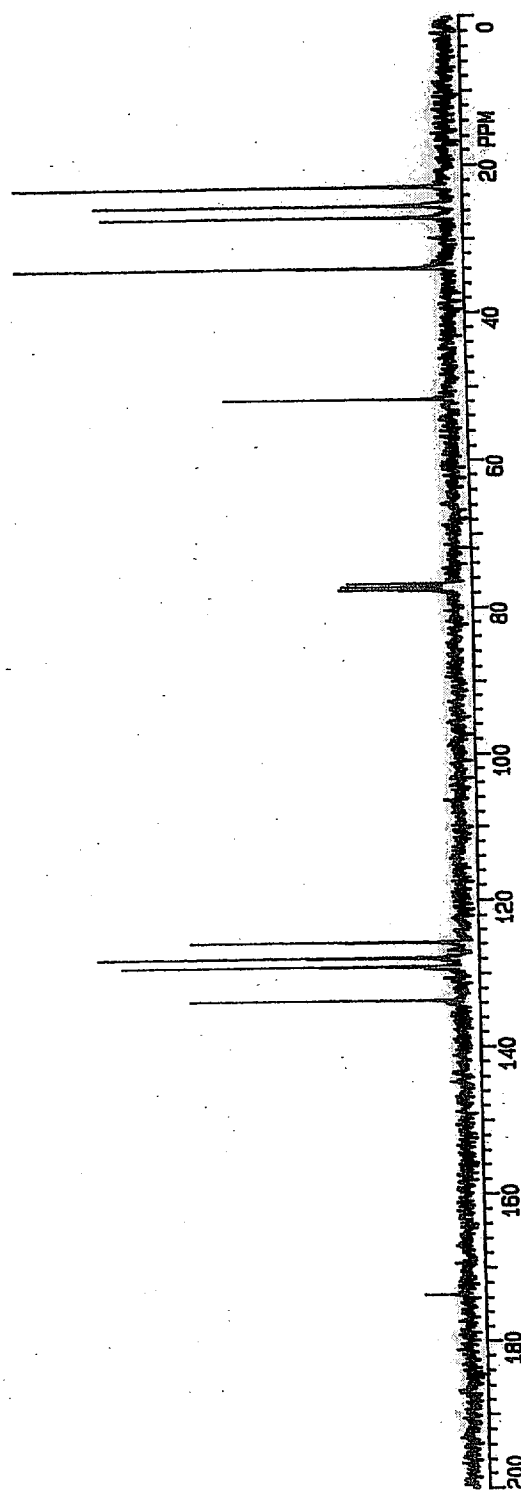
The 300 MHz ^1H NMR spectrum (CDCl_3) of Methyl 9-Hydroxynona-4(Z),7(Z)-dienoate (**5**)



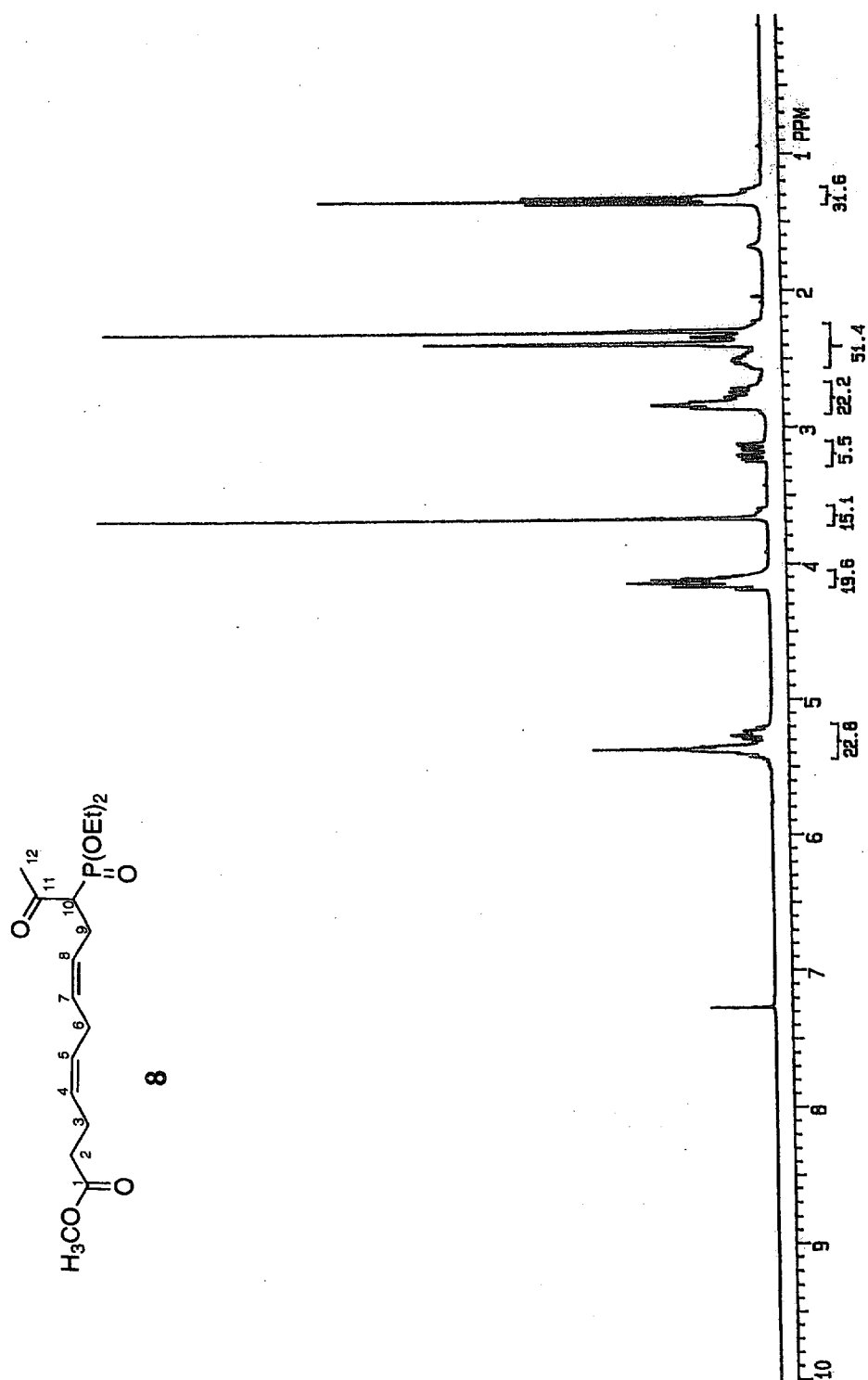
The 75 MHz ¹³C NMR spectrum (CDCl₃) of Methyl 9-Hydroxynona-4(Z),7(Z)-dienoate (5)



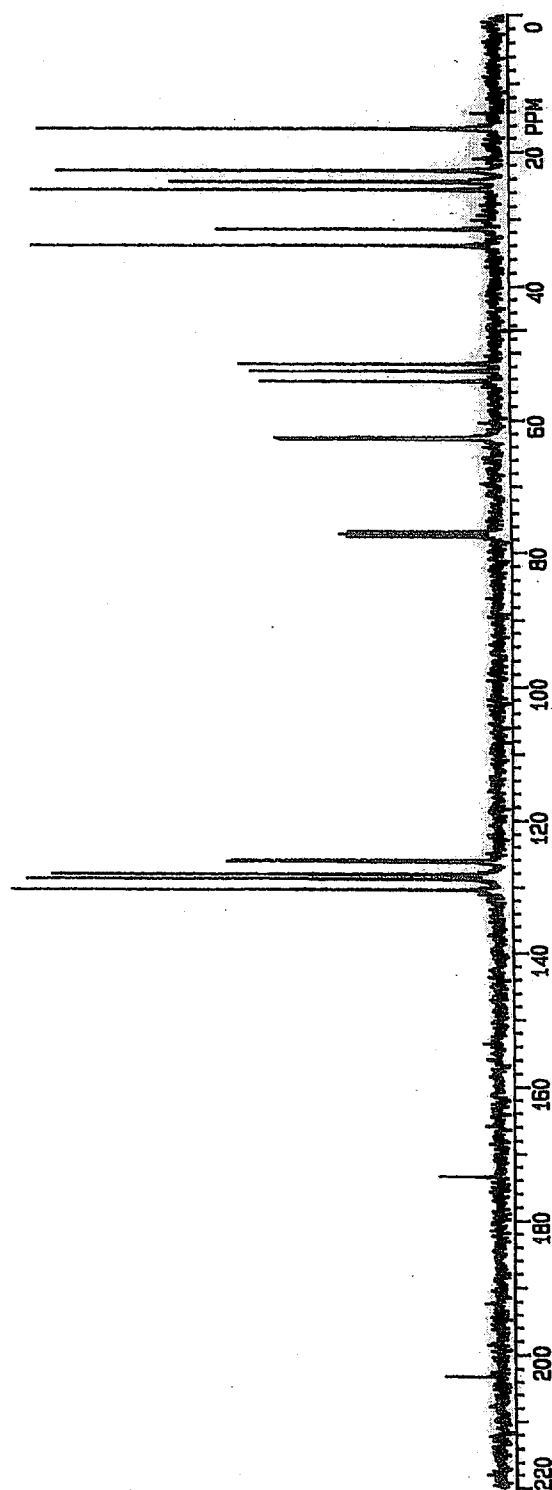
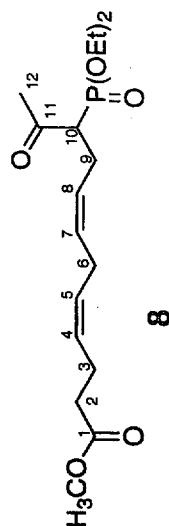
The 300 MHz ^1H NMR spectrum (CDCl_3) of Methyl 9-Bromonona-4(Z),7(Z)-dienoate (**6**)



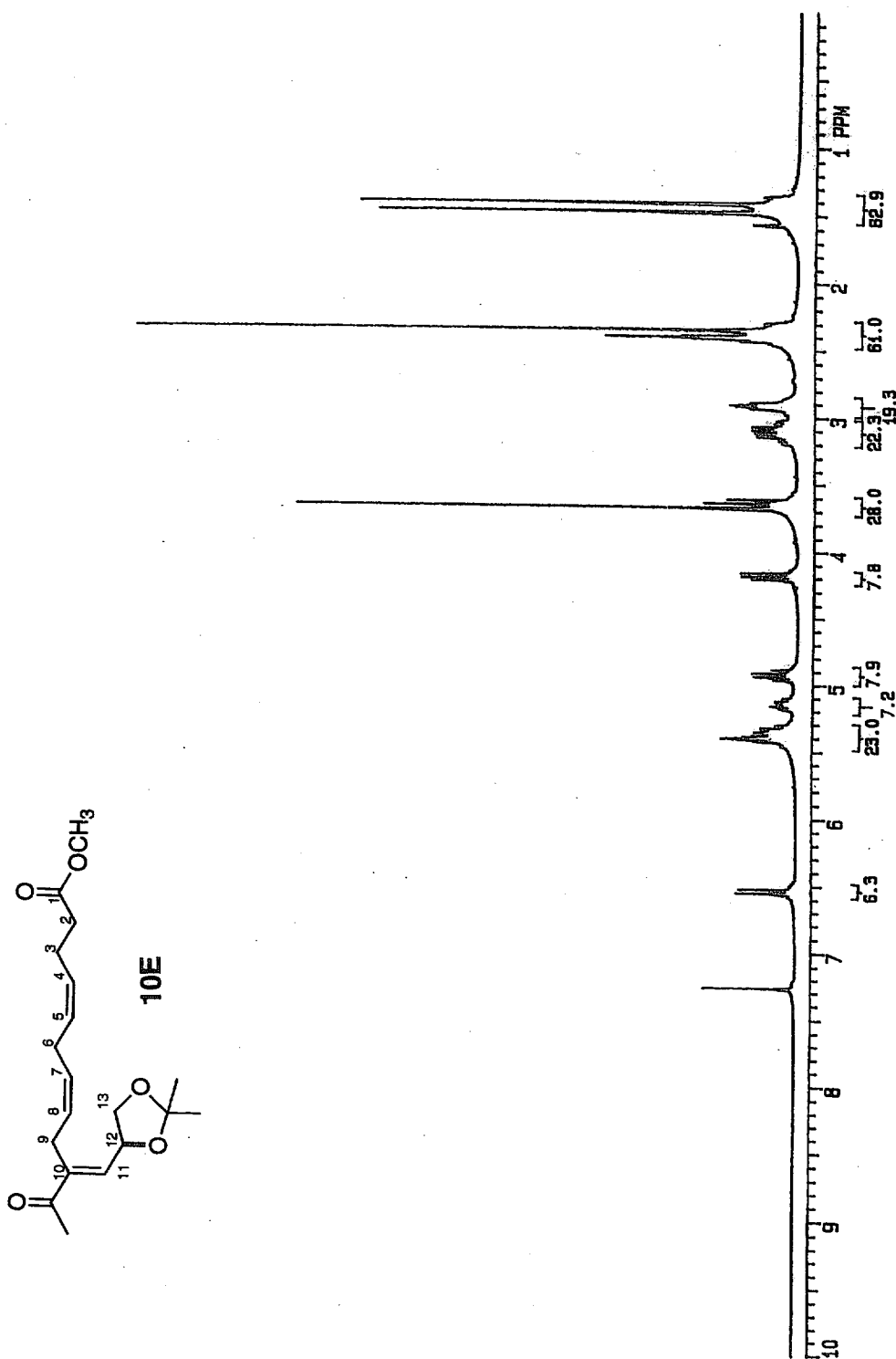
The 75 MHz ^{13}C NMR spectrum (CDCl_3) of Methyl 9-Bromonona-4(Z),7(Z)-dienoate (**6**)



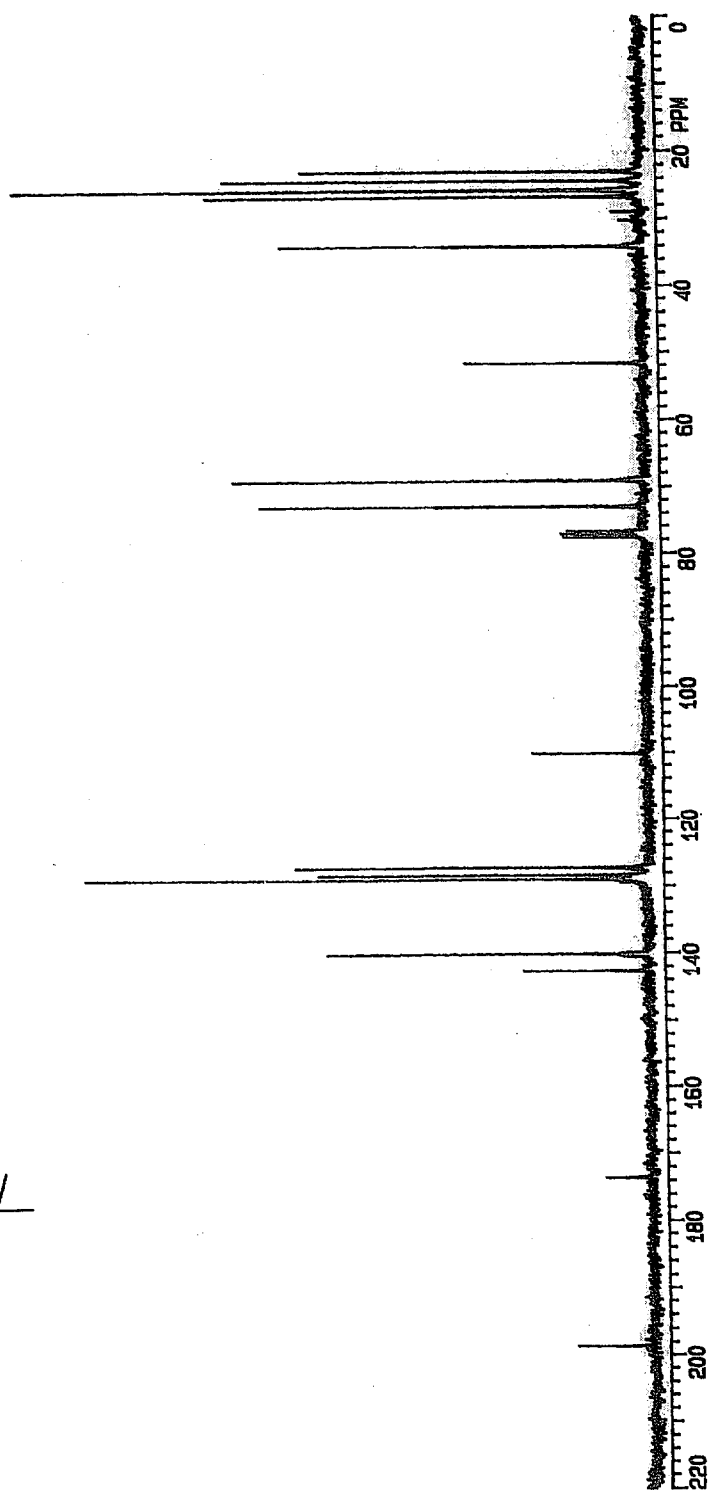
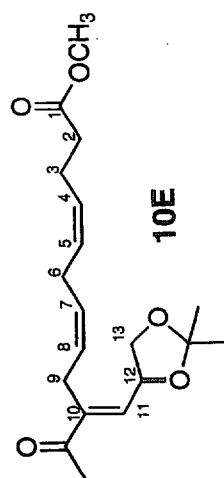
The 300 MHz ¹H NMR spectrum (CDCl₃) of Methyl 10-(Diethylphosphono)-11-oxododeca-4(Z),7(Z)-dienoate (**8**)



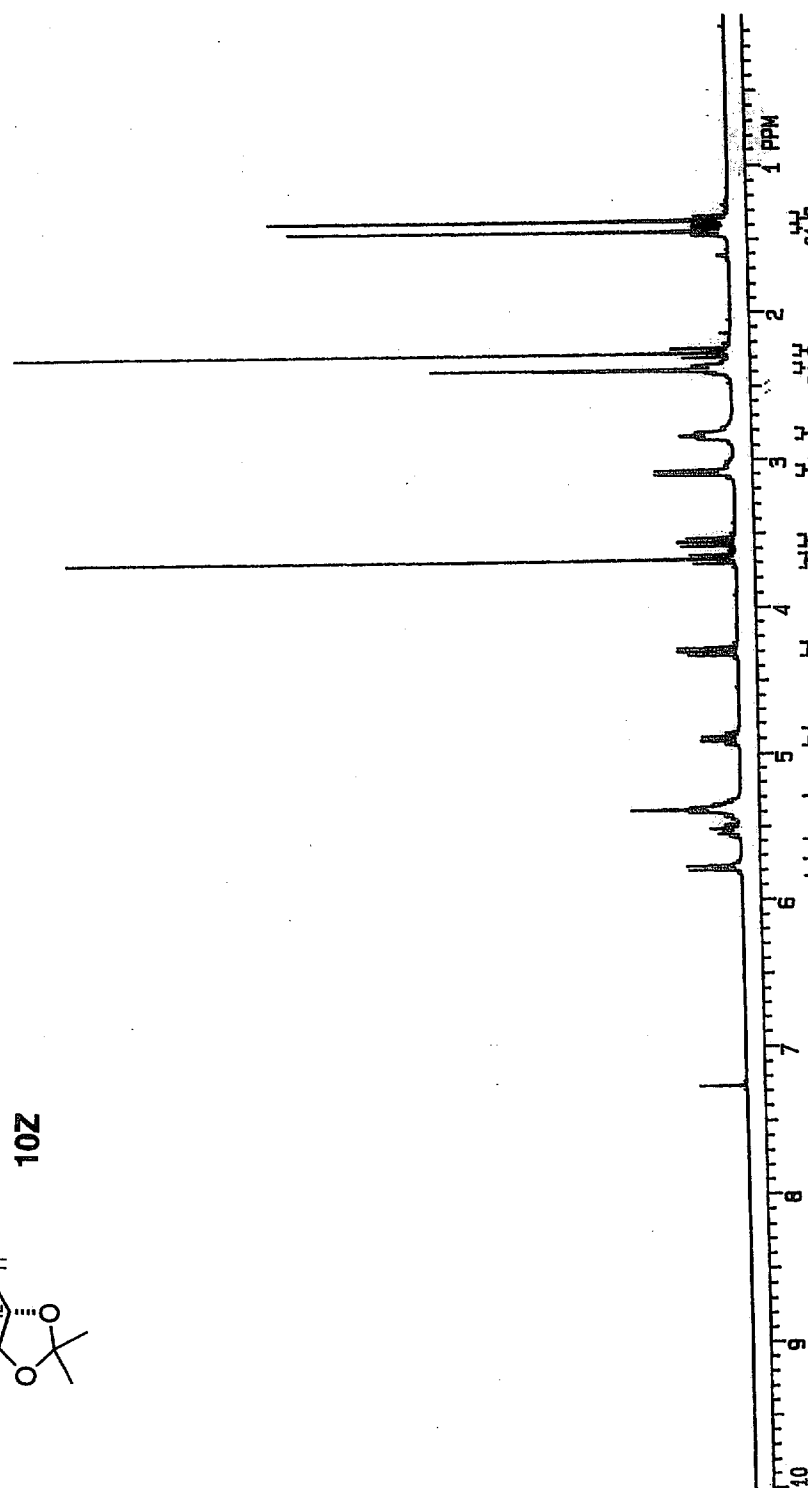
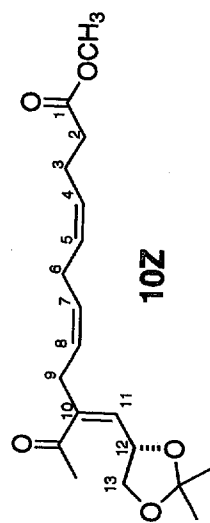
The 75 MHz ^{13}C NMR spectrum (CDCl_3) of Methyl 10-(Diethylphosphono)-11-oxododeca-4(Z),7(Z)-dienoate (**8**)



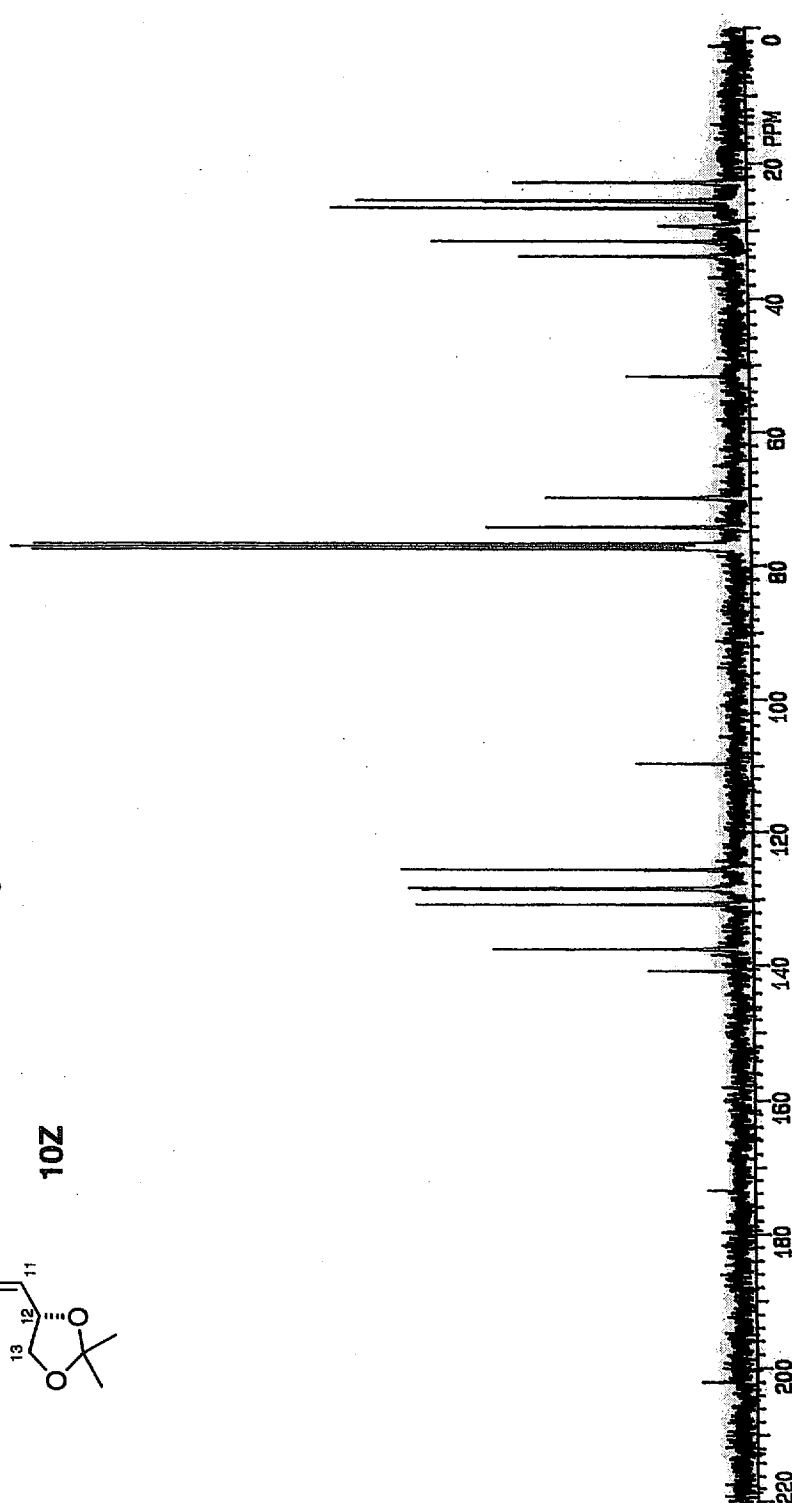
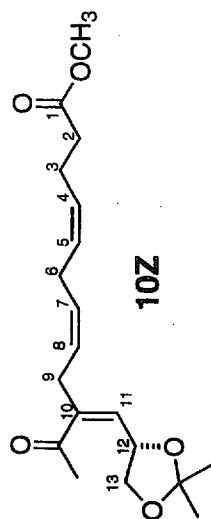
The 300 MHz ^1H NMR spectrum (CDCl₃) of Methyl 10-Acetyl-12(S),13-isopropylidenedioxy-4(Z),7(Z),10(E)-trideca-1,3,5-trienoates (**10E**)



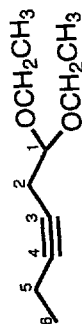
The 75 MHz ^{13}C NMR spectrum (CDCl_3) of Methyl 10-Acetyl-12(S),13-isopropylidenedioxy-4(Z),7(Z),10(E)-trideca-1,3,5-trienoates (**10E**)



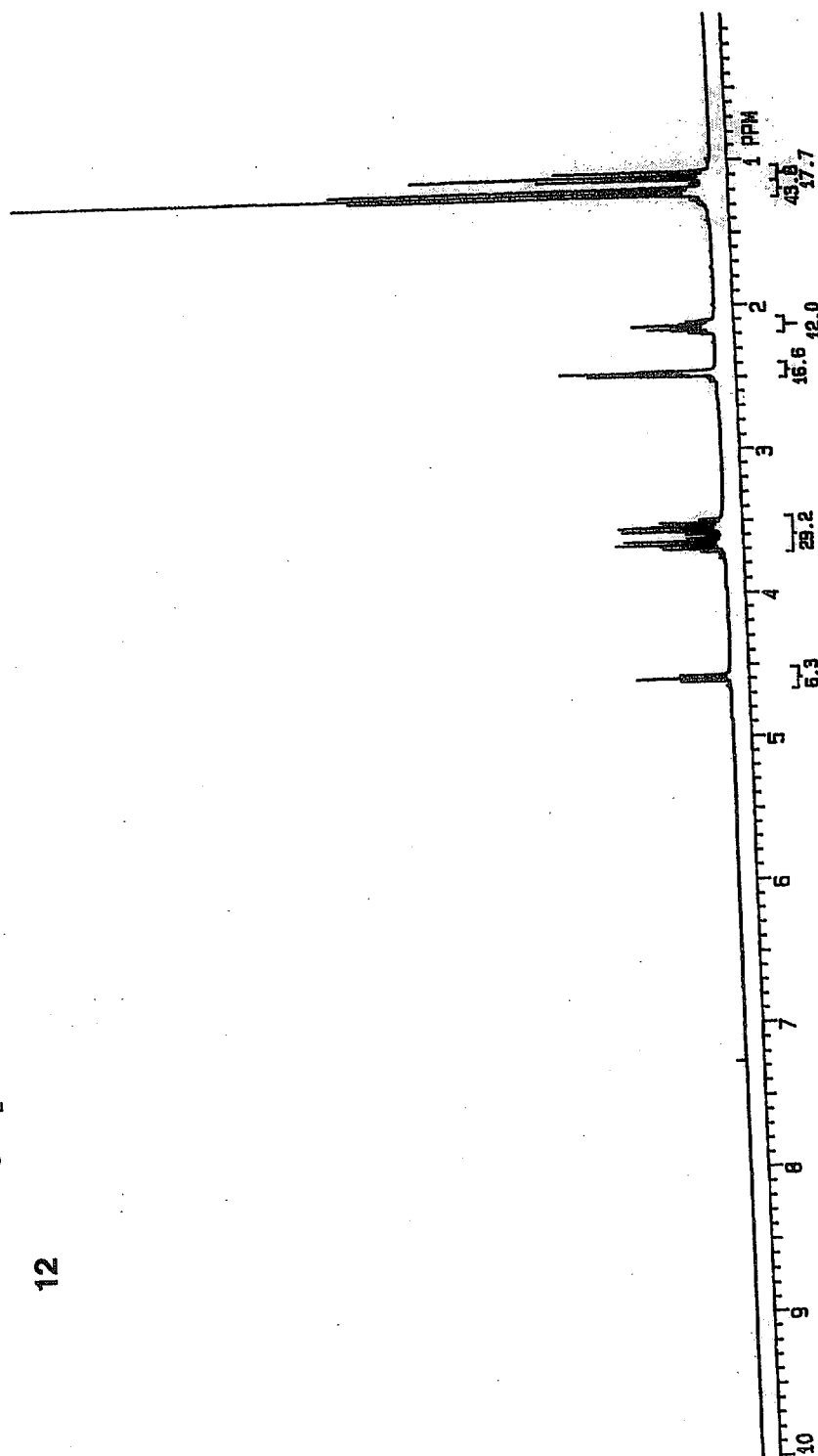
The 300 MHz ^1H NMR spectrum (CDCl_3) of Methyl 10-Acetyl-12(S),13-isopropylidenedioxy-4(Z),7(Z),10(Z)-trideca-1,3,5-trienoate (**10Z**)



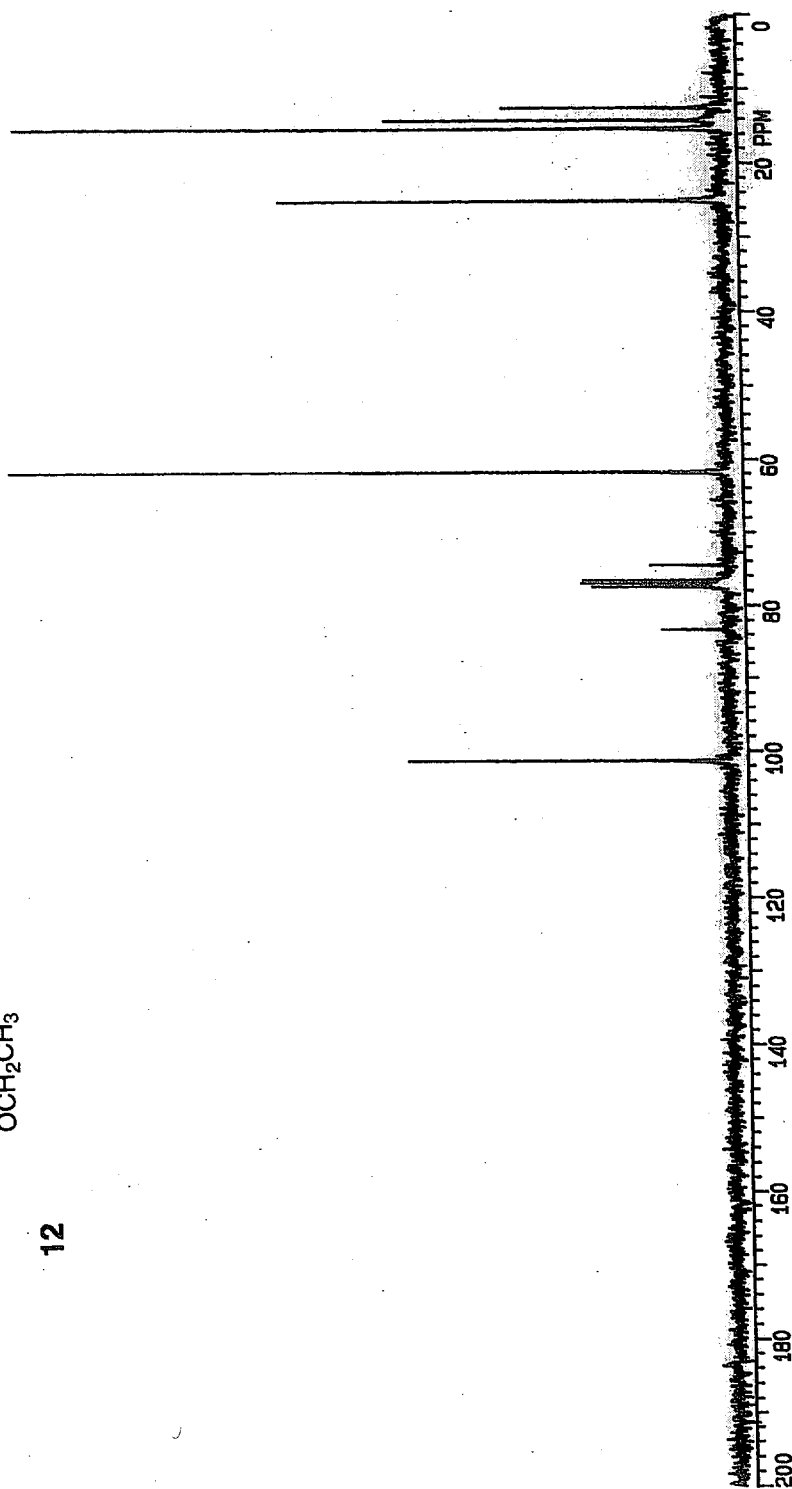
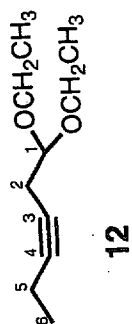
The 75 MHz ^{13}C NMR spectrum (CDCl_3) of Methyl 10-Acetyl-12(S),13-isopropylidenedioxy-4(Z),7(Z),10(Z)-trideca-trienoates (**10Z**)



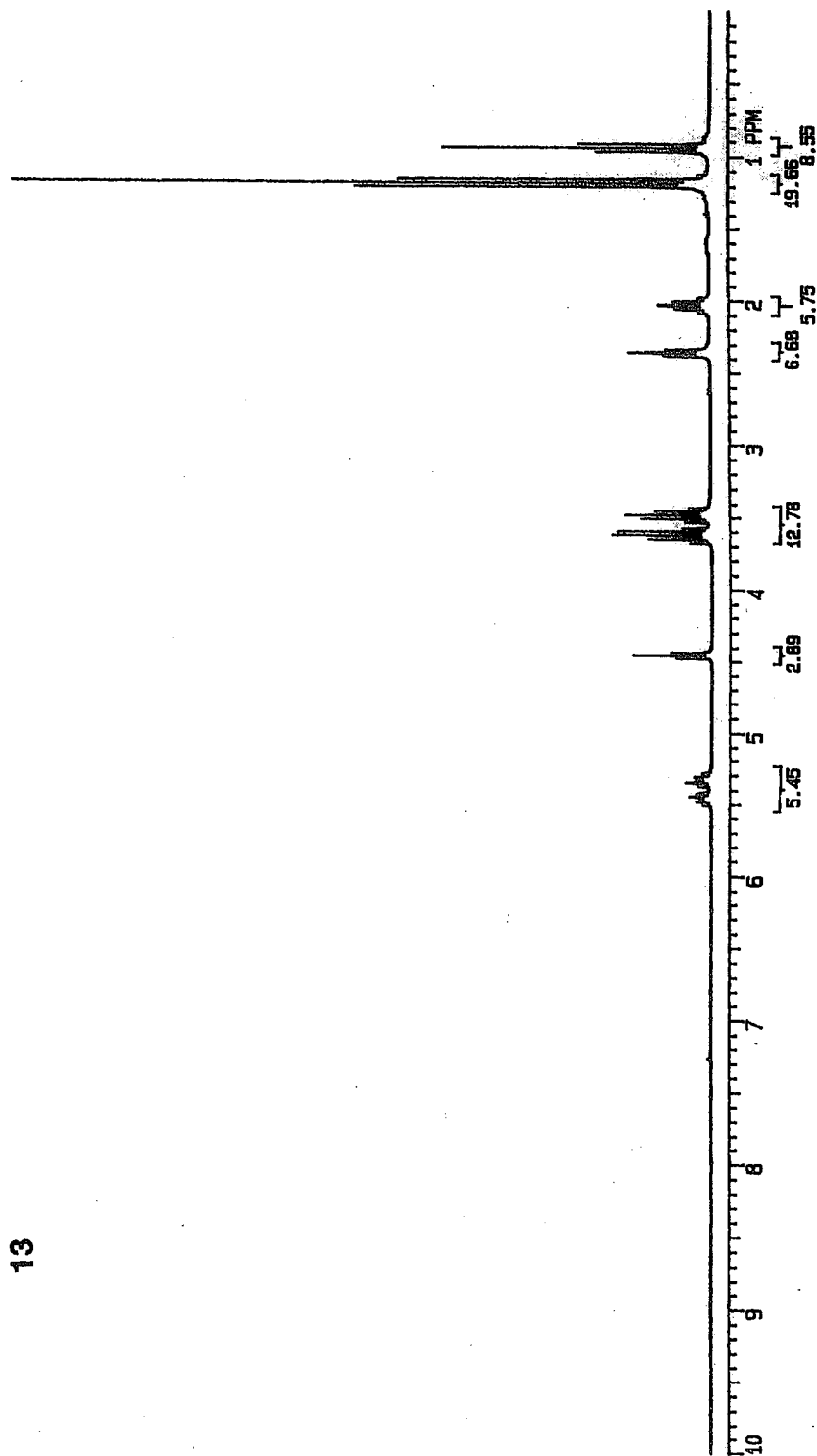
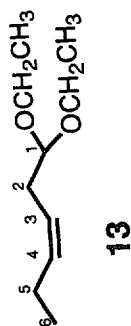
12



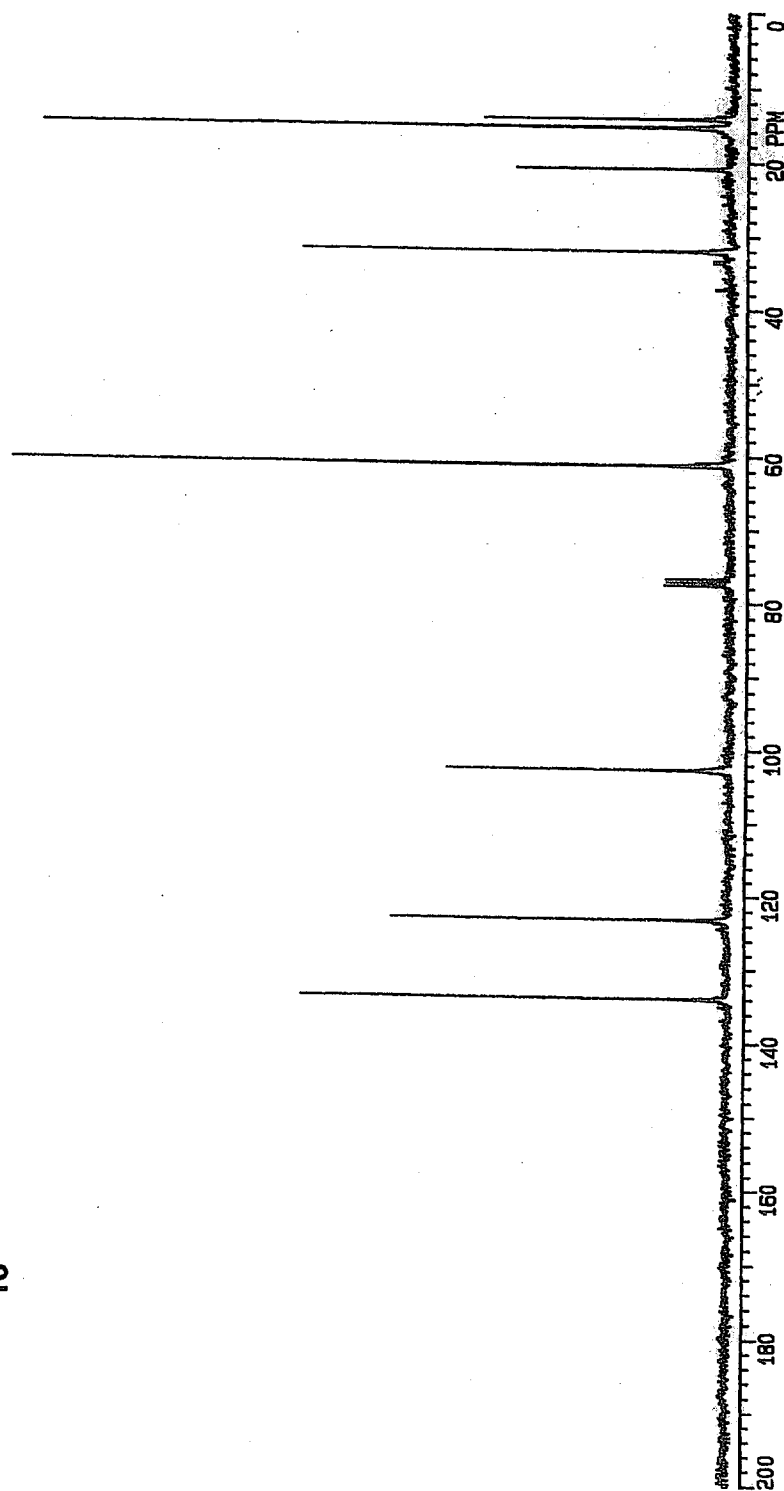
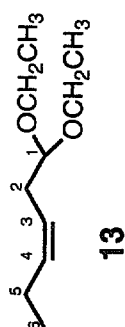
The 300 MHz ^1H NMR spectrum (CDCl_3) of 1,1-Diethoxyhex-3-yne (12)



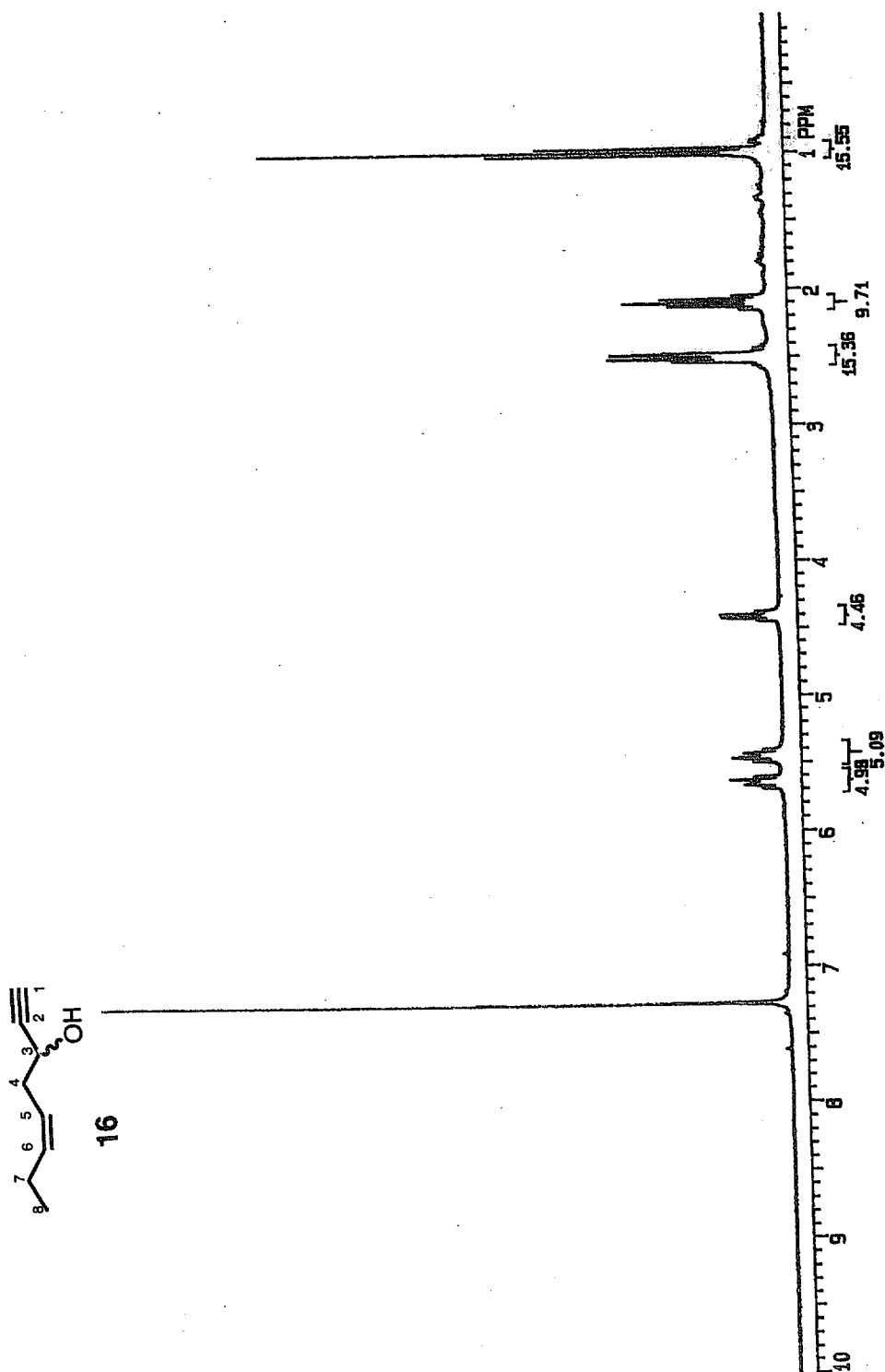
The 75 MHz ^{13}C NMR spectrum (CDCl_3) of 1,1-Diethoxyhex-3-yne (12)



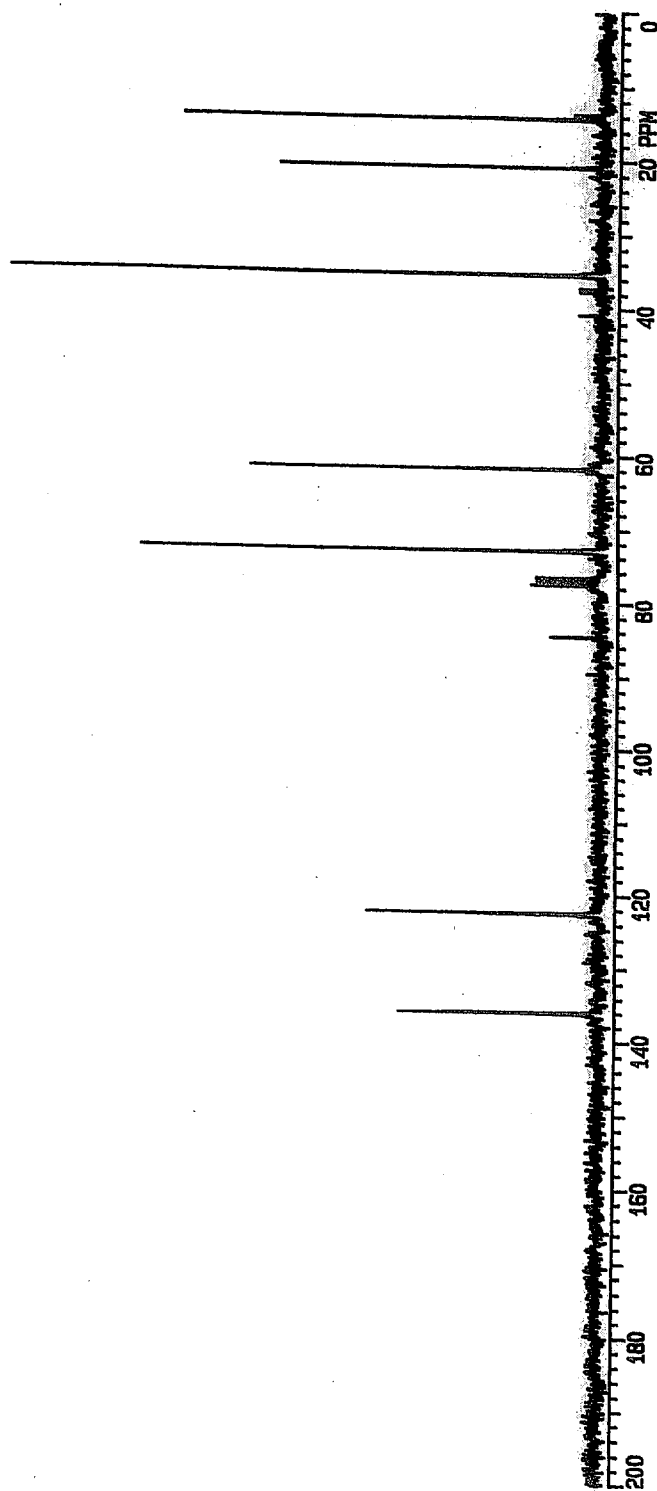
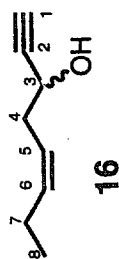
The 300 MHz ^1H NMR spectrum (CDCl_3) of 1,1-Diethoxyhex-3-ene (13)



The 75 MHz ^{13}C NMR spectrum (CDCl_3) of 1,1-Diethoxyhex-3-ene (13)



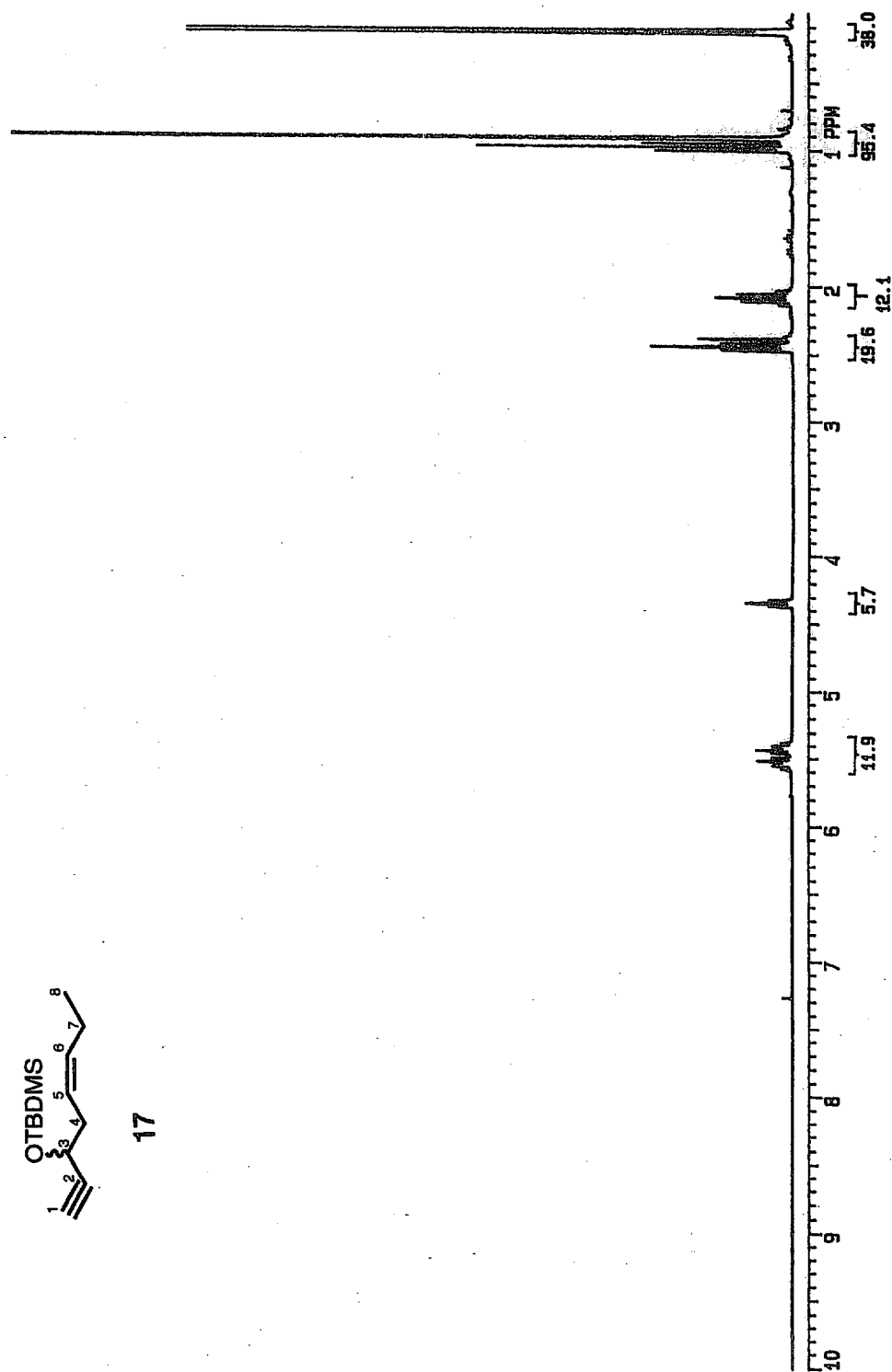
The 300 MHz ^1H NMR spectrum (CDCl_3) of 3-Hydroxy-5-octen-1-yne (16)



The 75 MHz ^{13}C NMR spectrum (CDCl_3) of 3-Hydroxy-5-octen-1-yne (**16**)



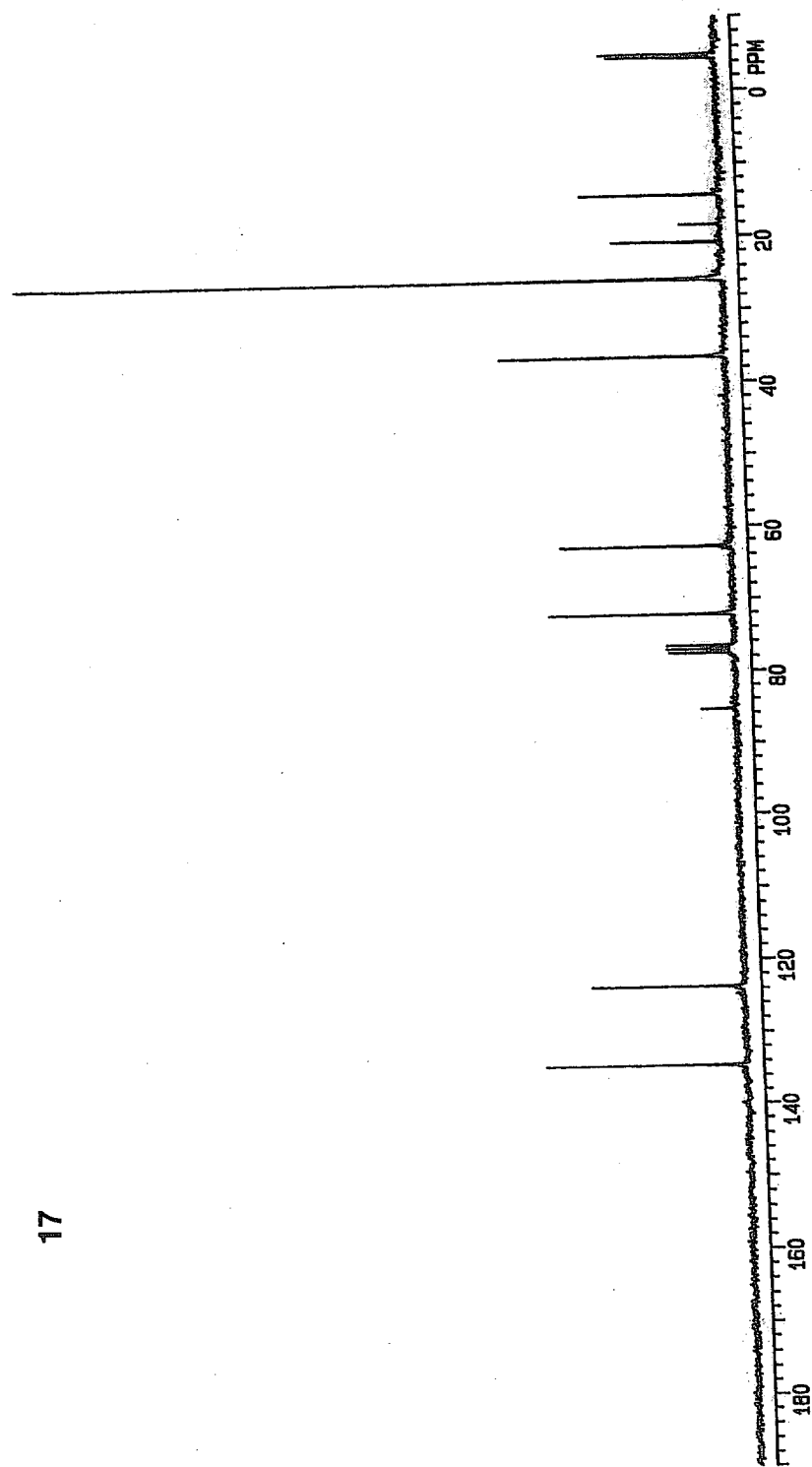
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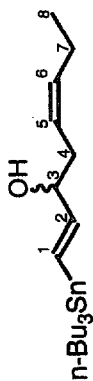
The 300 MHz ^1H NMR spectrum (CDCl_3) of 3-[(tert-Butyl(dimethylsilyl)oxy)]-5(Z)-octen-1-yne (17)



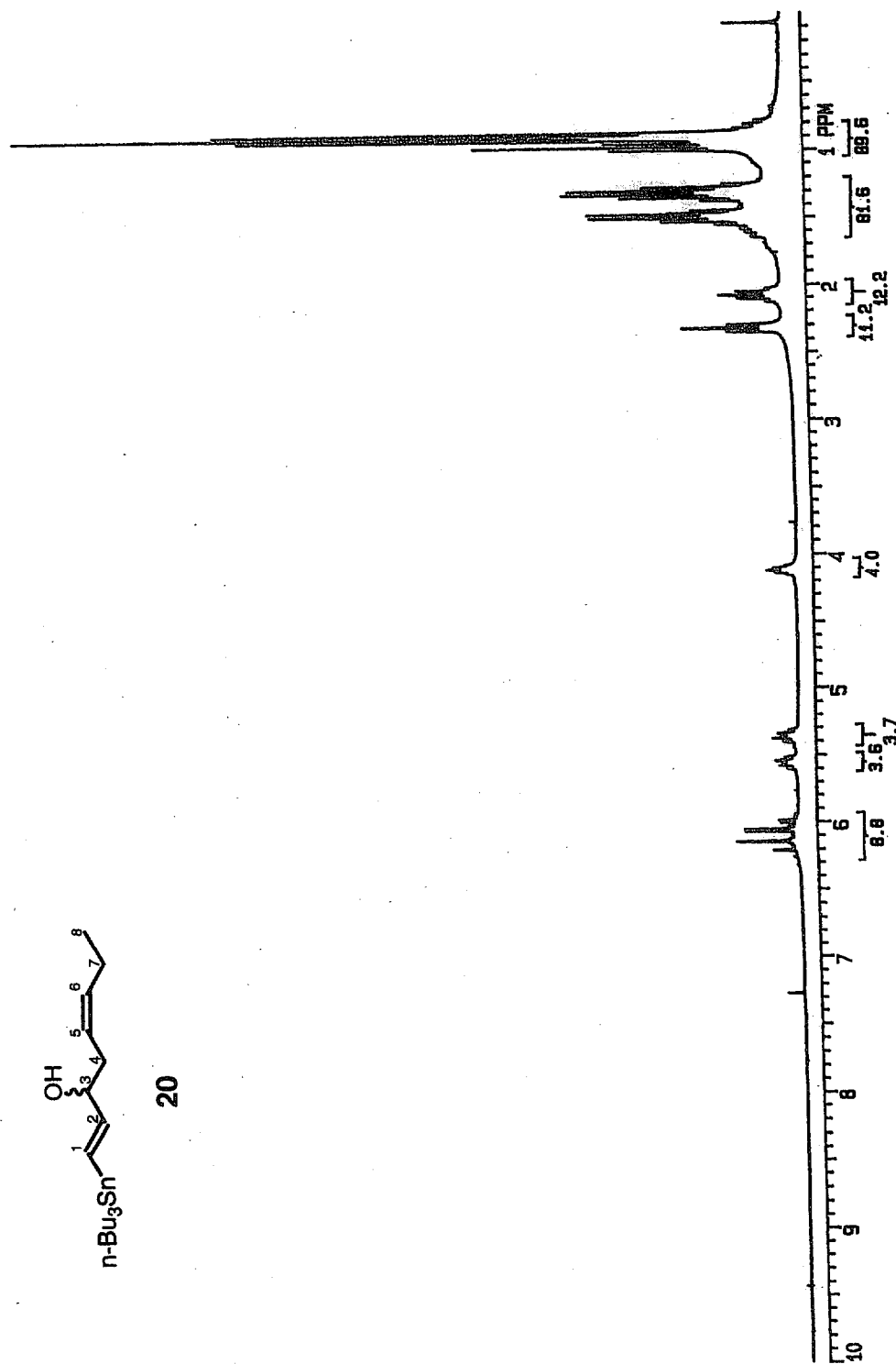
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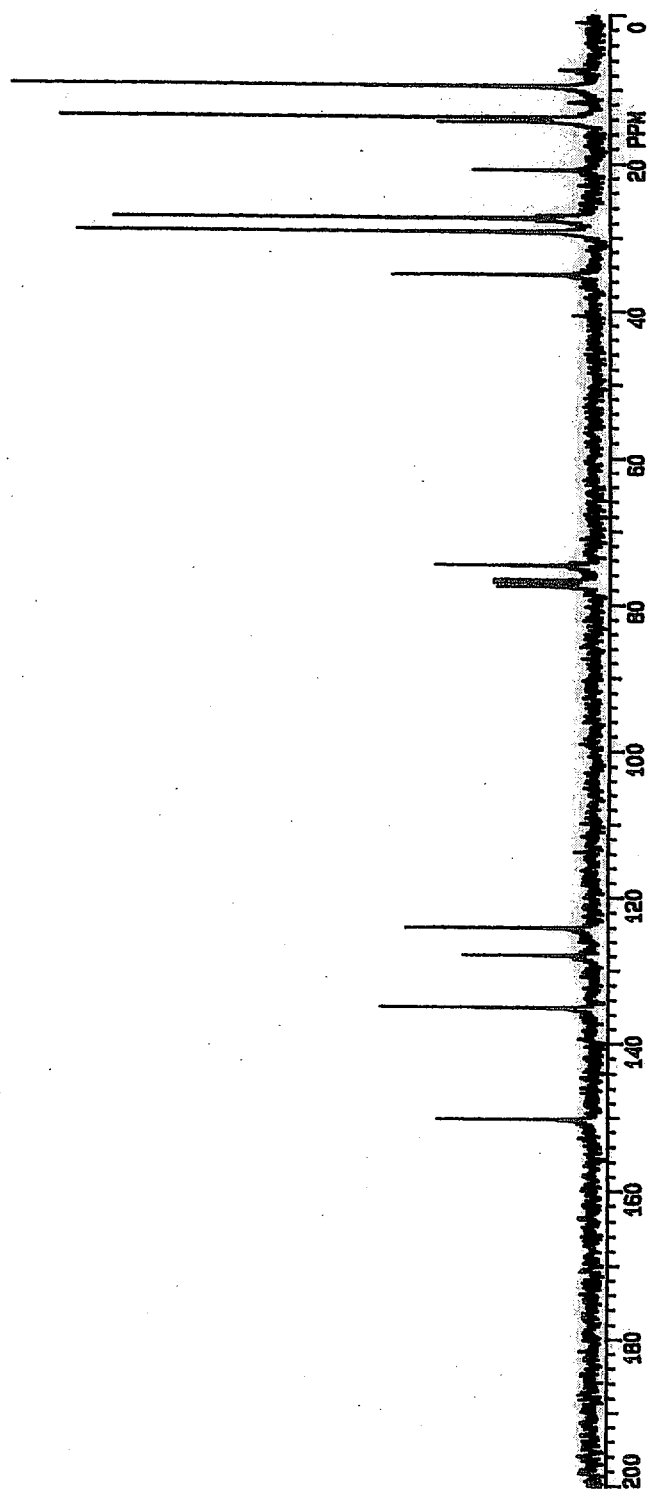
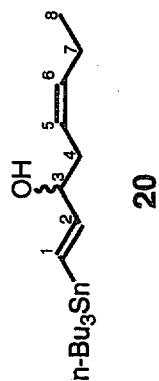
The 75 MHz ^{13}C NMR spectrum (CDCl_3) of 3-[(tert-Butyl(dimethylsilyl)oxy)]-5-(Z)-octen-1-yne (17)



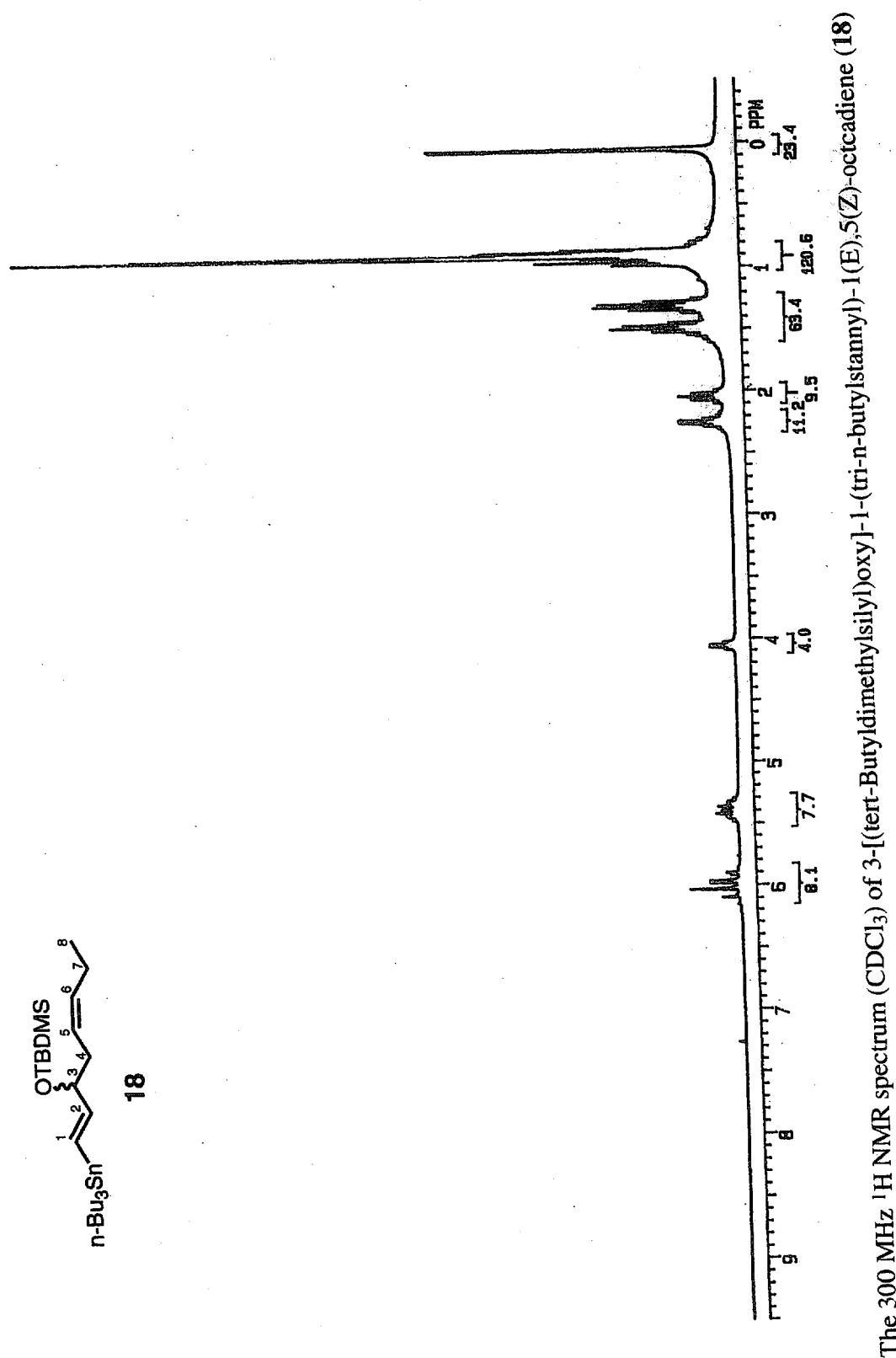
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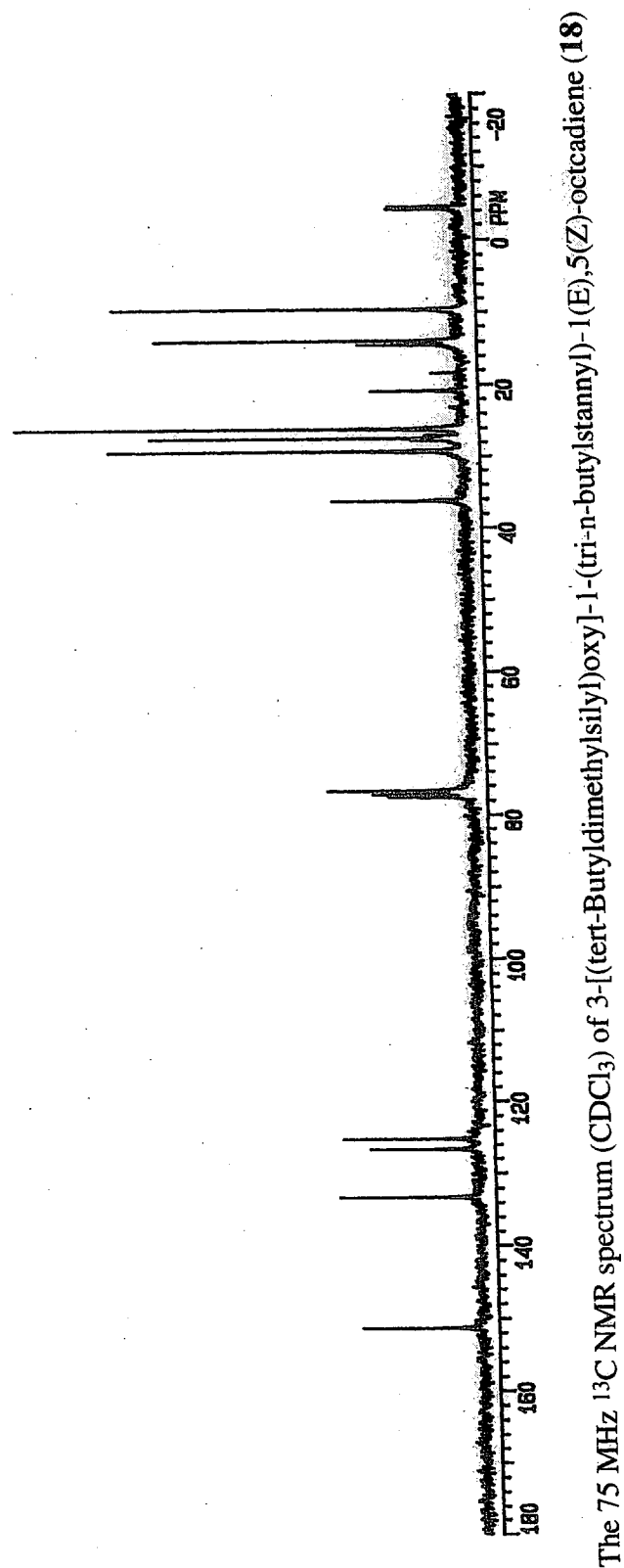
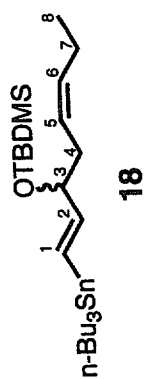


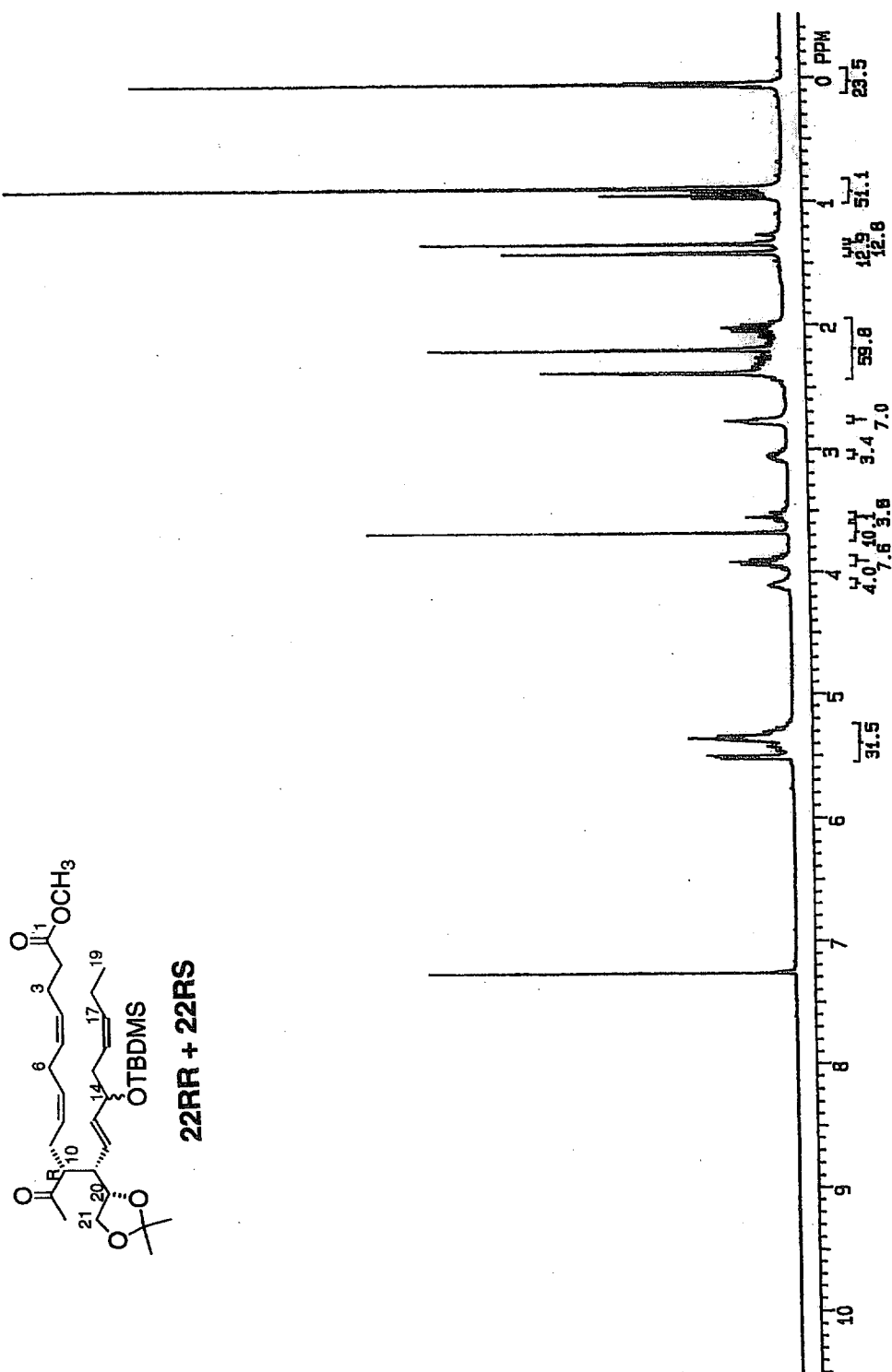
The 300 MHz ^1H NMR spectrum (CDCl_3) of 1-(Tri-n-butylstannyl)-1(E),5(Z)-octadien-3-ol (20)



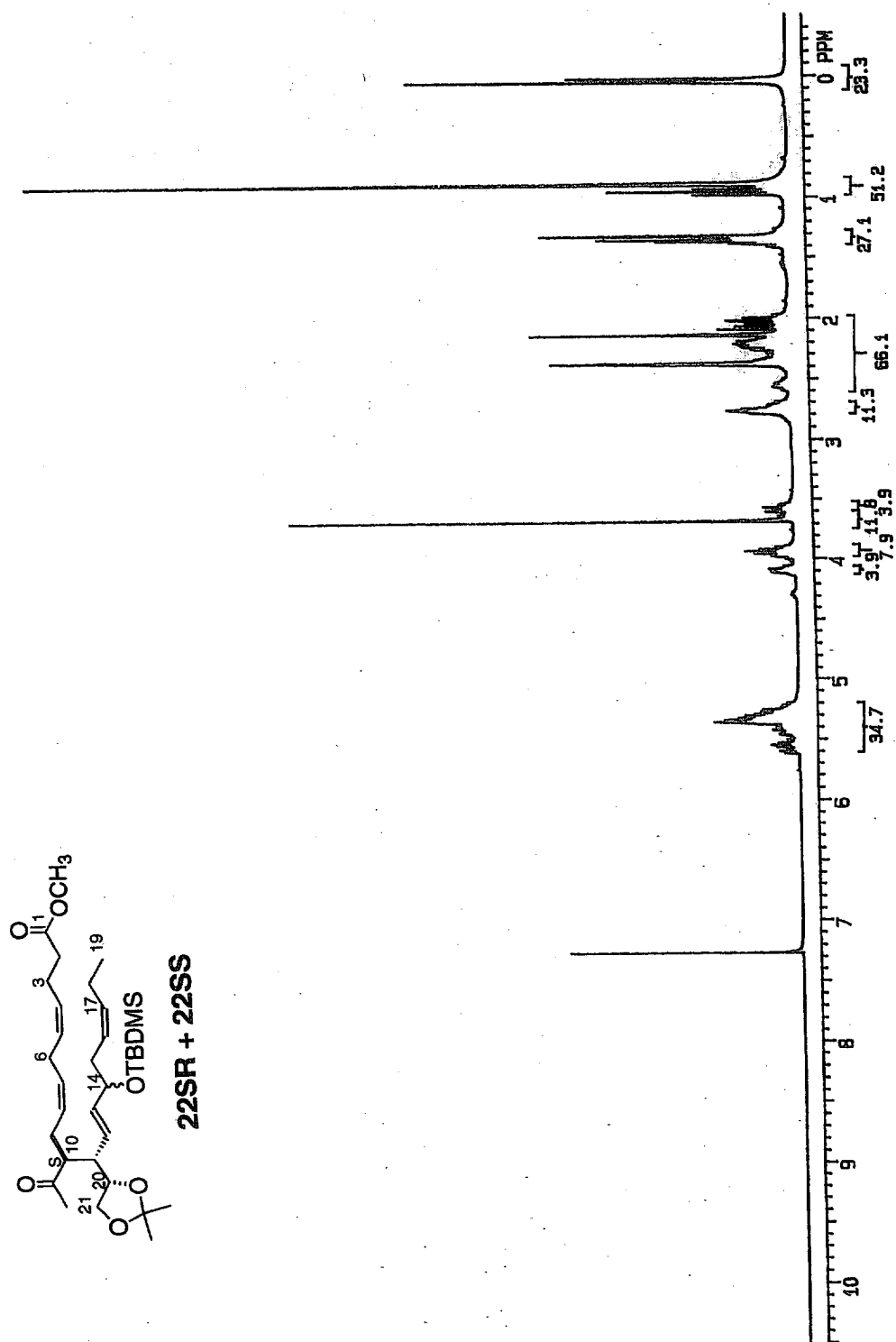
The 75 MHz ¹³C NMR spectrum (CDCl₃) of 1-(Tri-n-butylstanny)-1(E),5(Z)-octadien-3-ol (20)



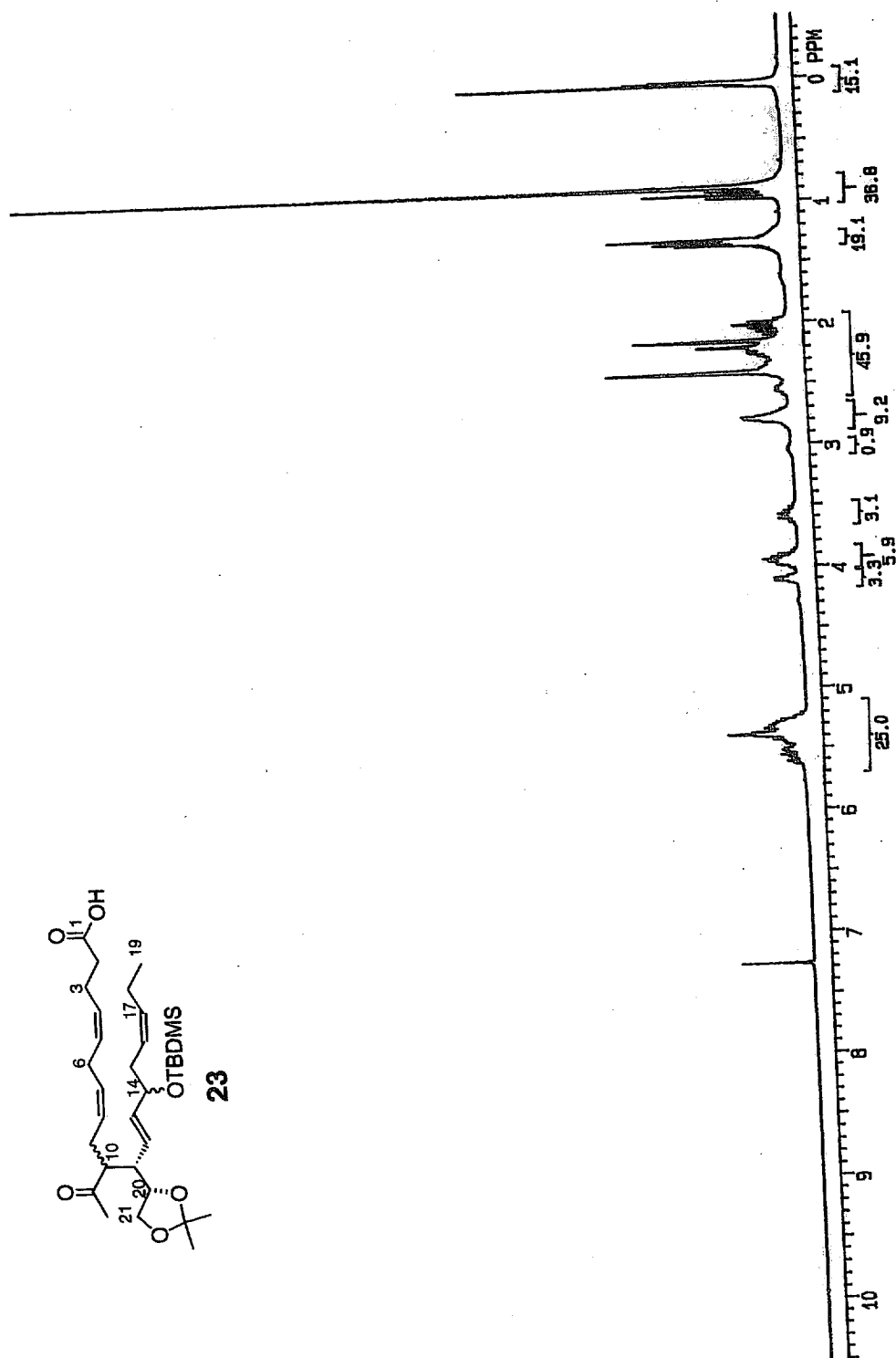




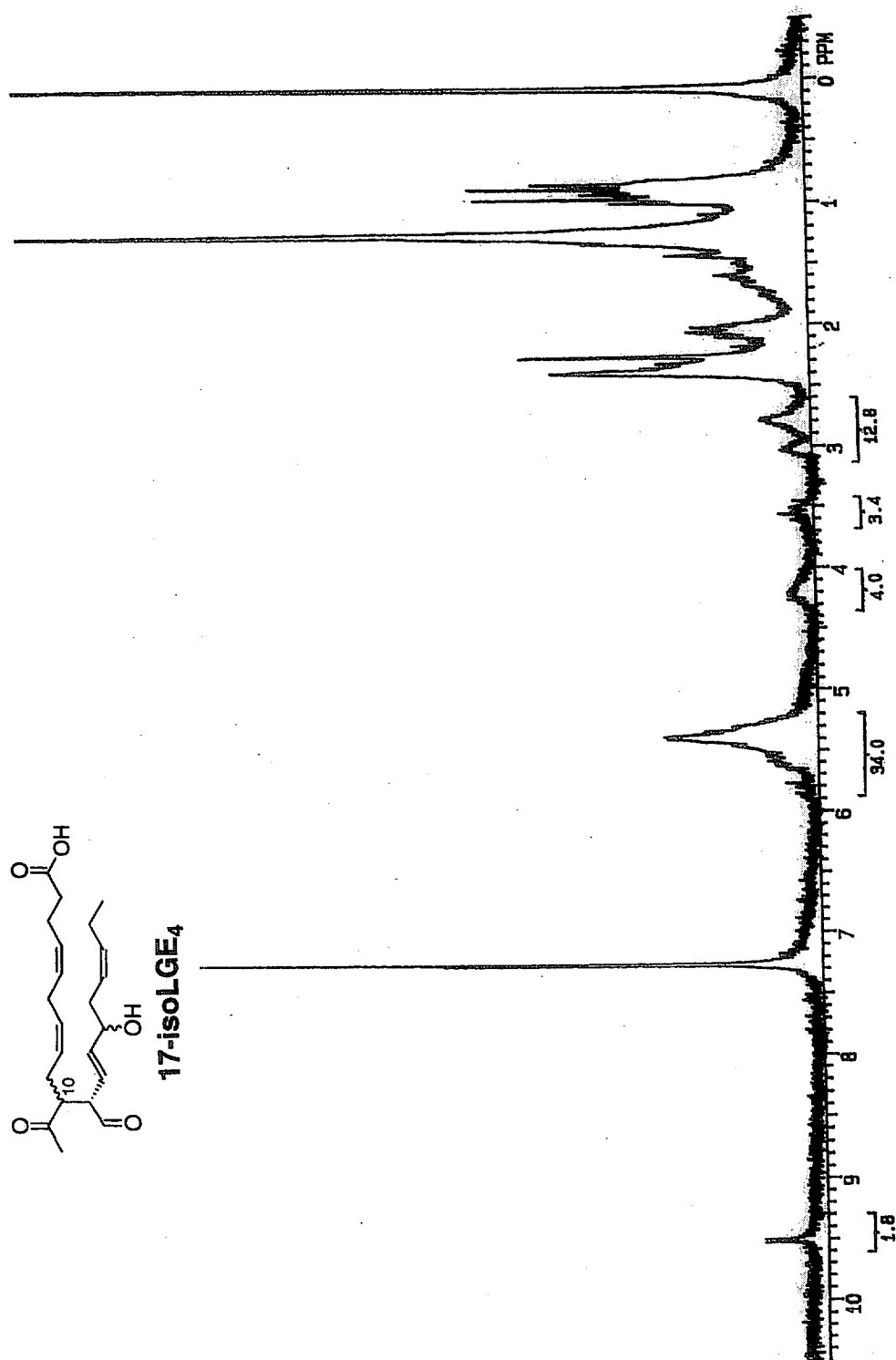
The 300 MHz ¹H NMR spectrum (CDCl₃) of erythro isomers 22RR+22RS



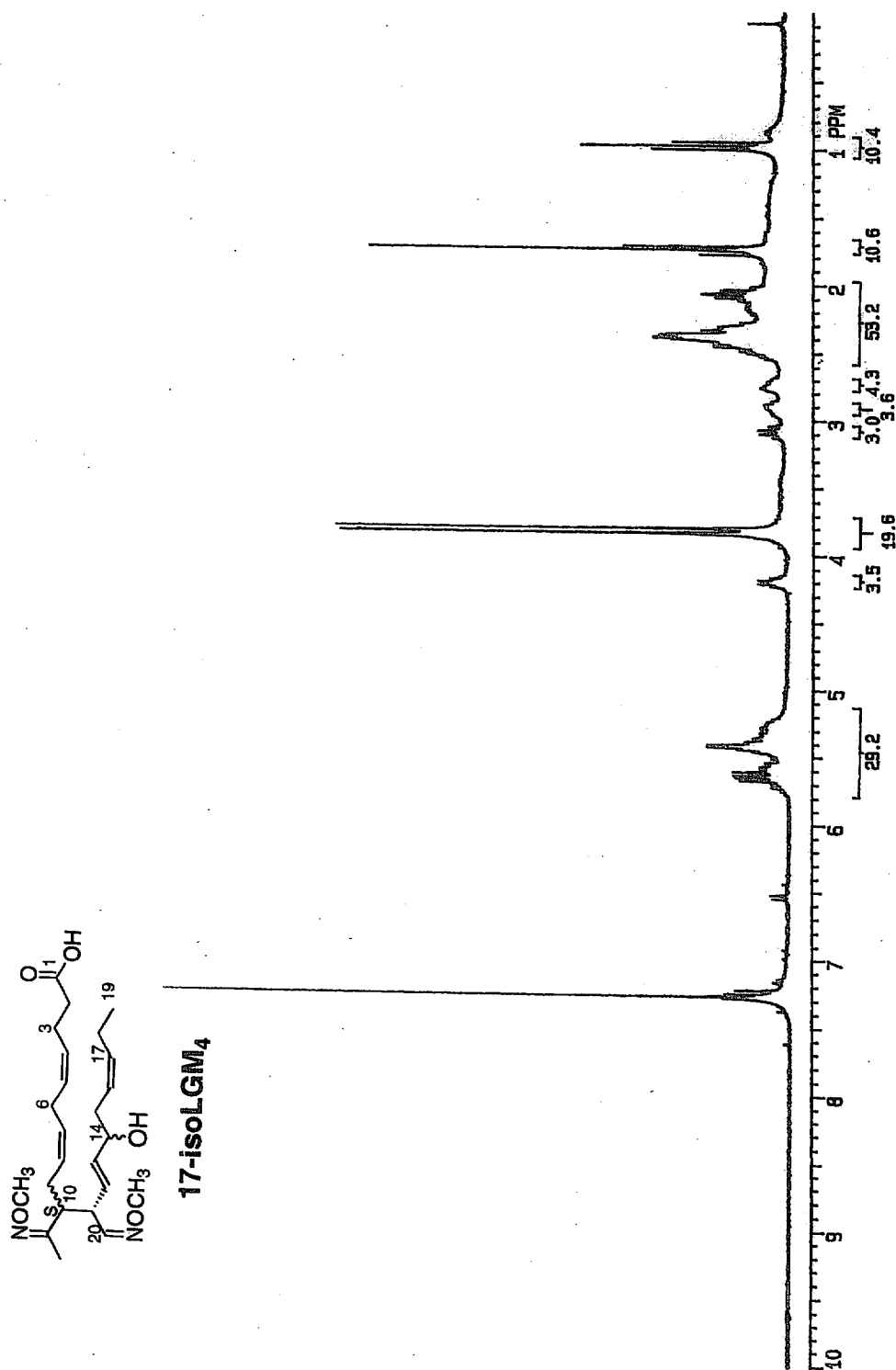
The 300 MHz ¹H NMR spectrum (CDCl₃) of threo isomers 22SR+22SS



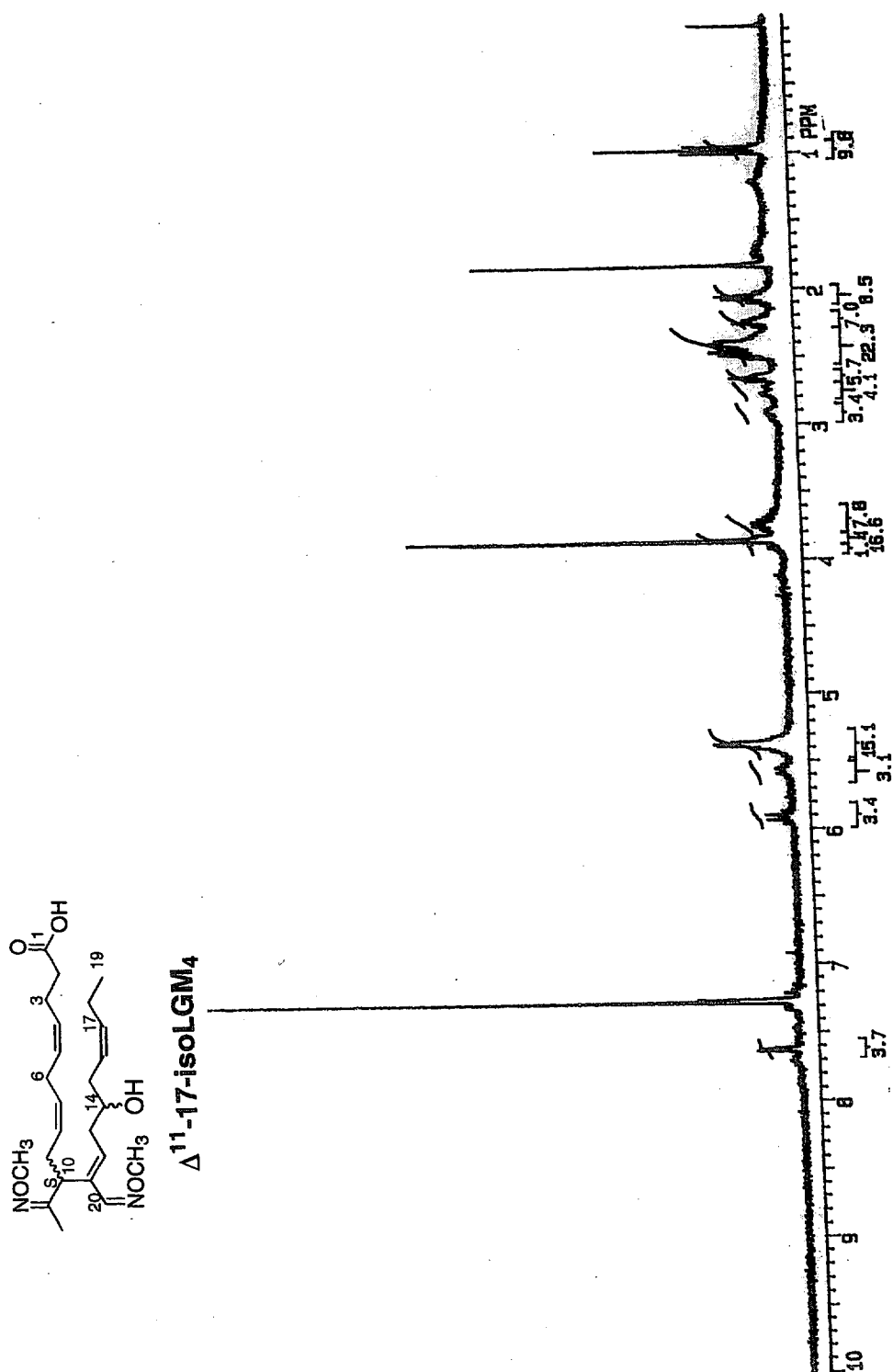
The 300 MHz ¹H NMR spectrum (CDCl₃) of threo and erythro isomers of acid **23**



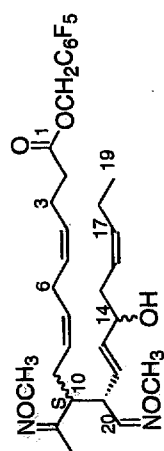
The 300 MHz ^1H NMR spectrum (CDCl₃) of 17-isolGE₄



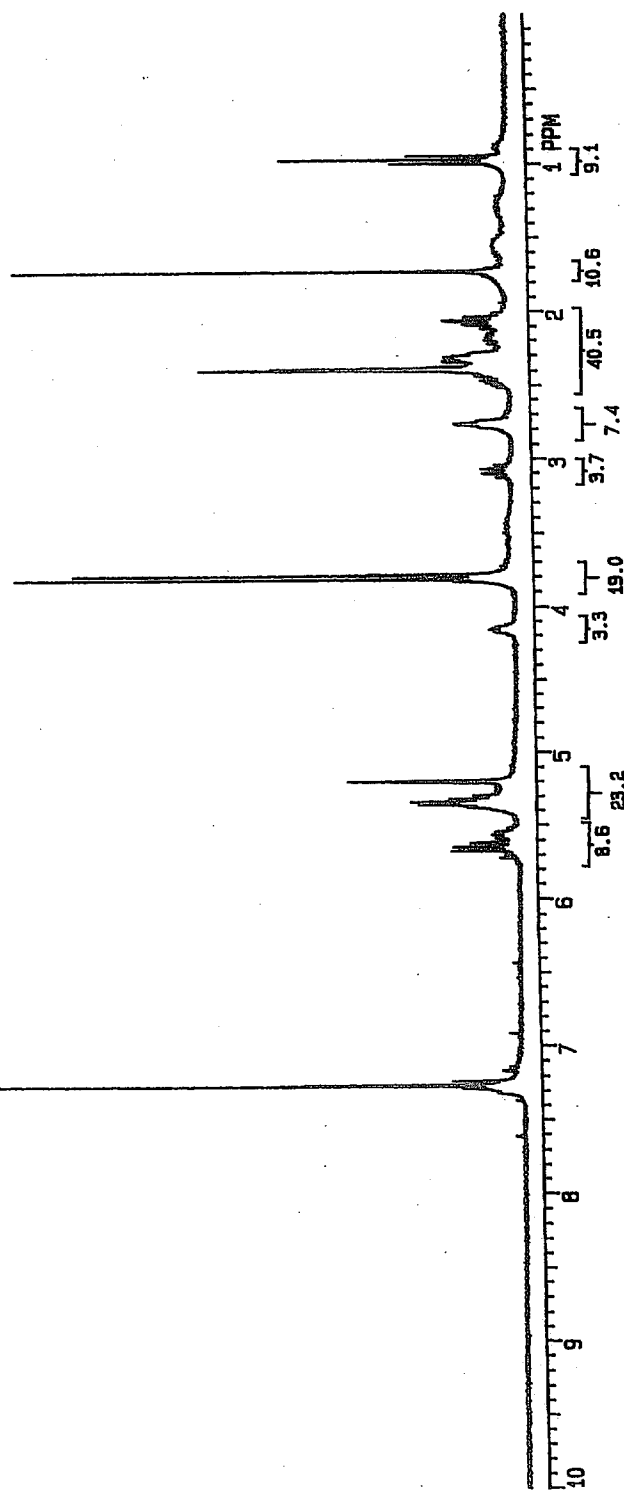
The 300 MHz ¹H NMR spectrum (CDCl₃) of 17-isoLGM₄



The 300 MHz ¹H NMR spectrum (CDCl₃) of Δ^{11} -17-isoLGM₄



17-isolGM₄-PFB



The 300 MHz ¹H NMR spectrum (CDCl₃) of 17-isolGM₄-PFB