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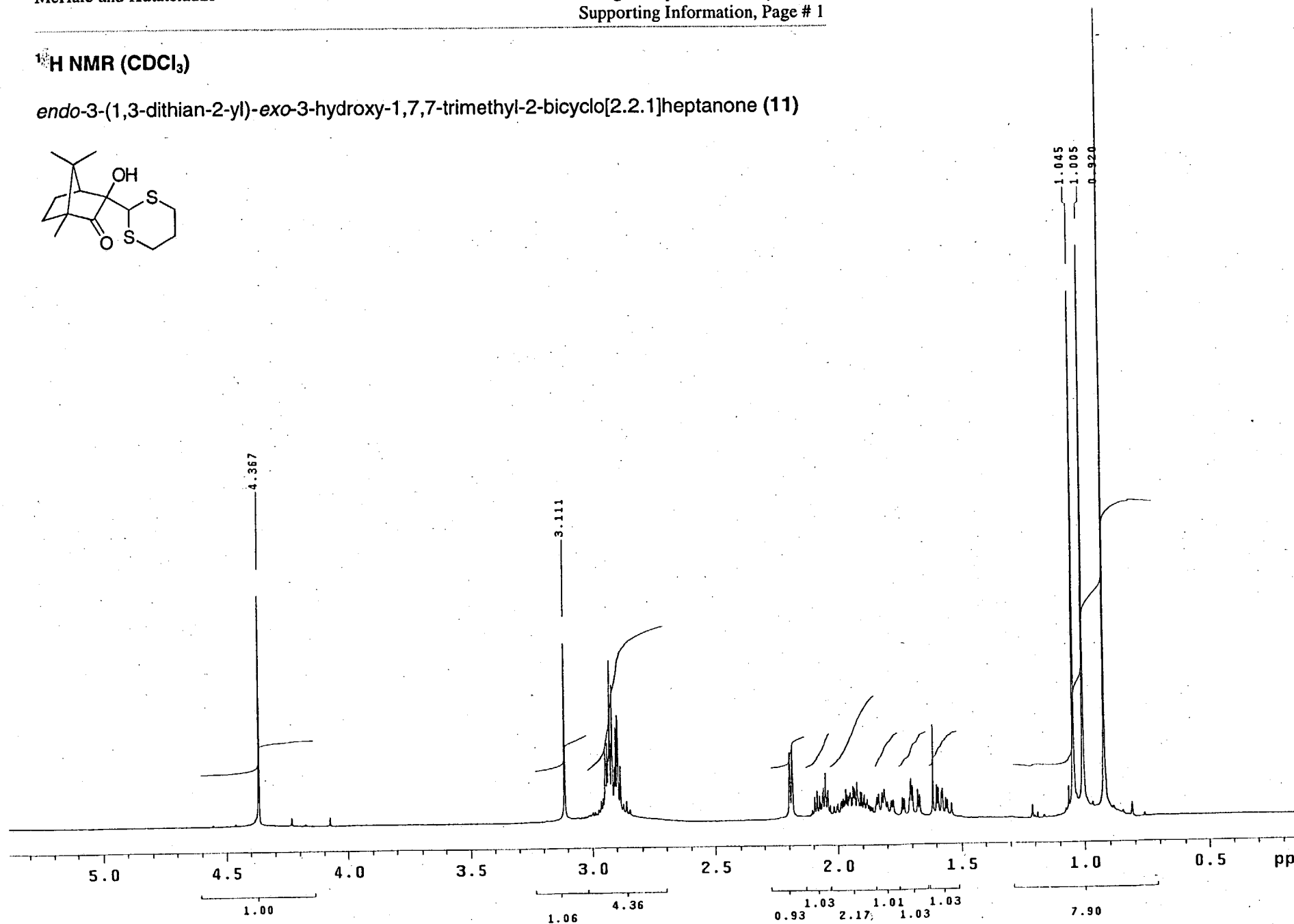
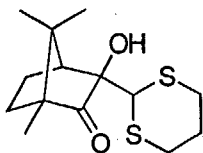
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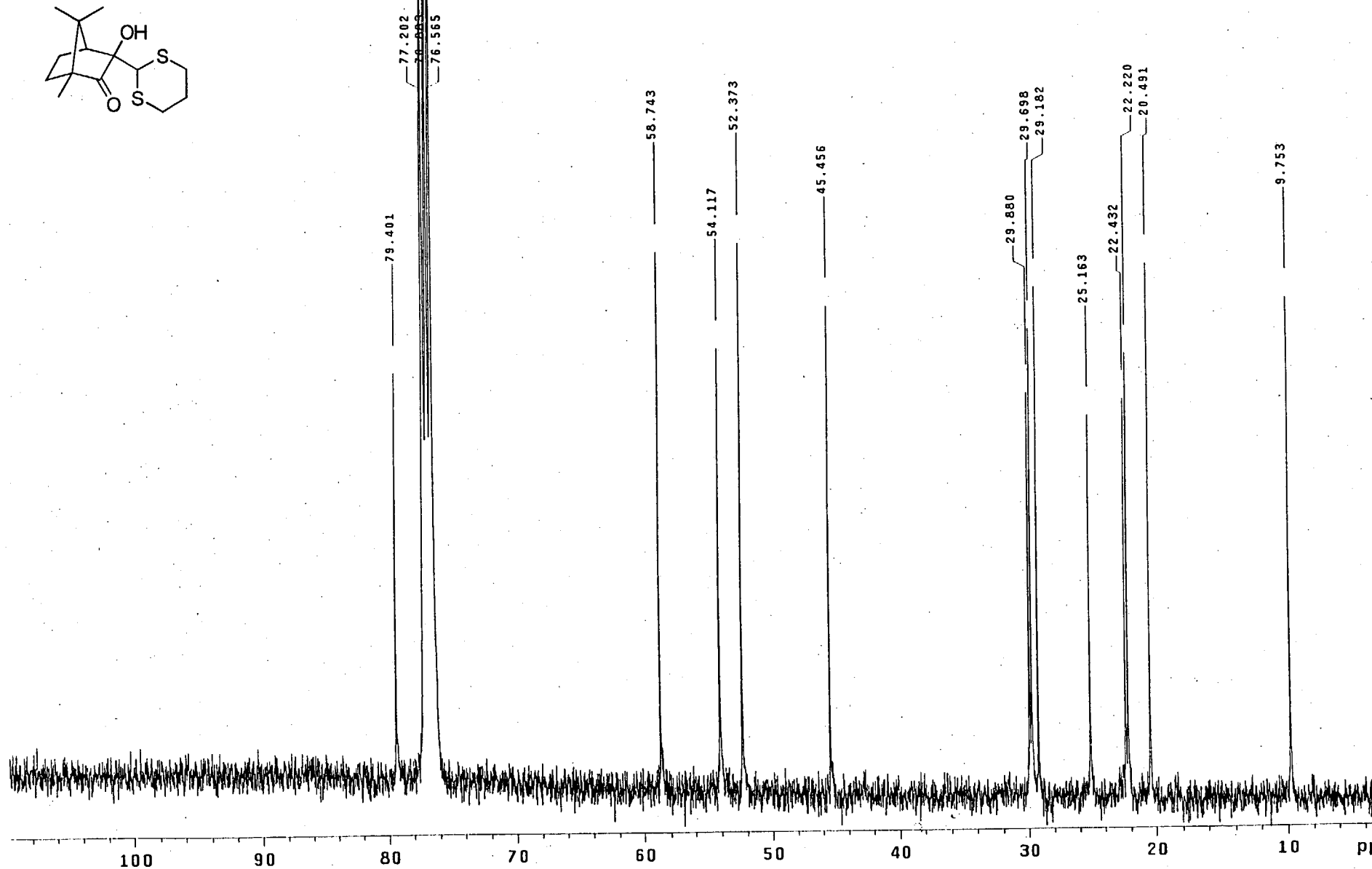
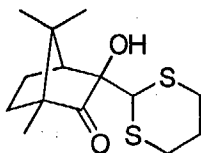
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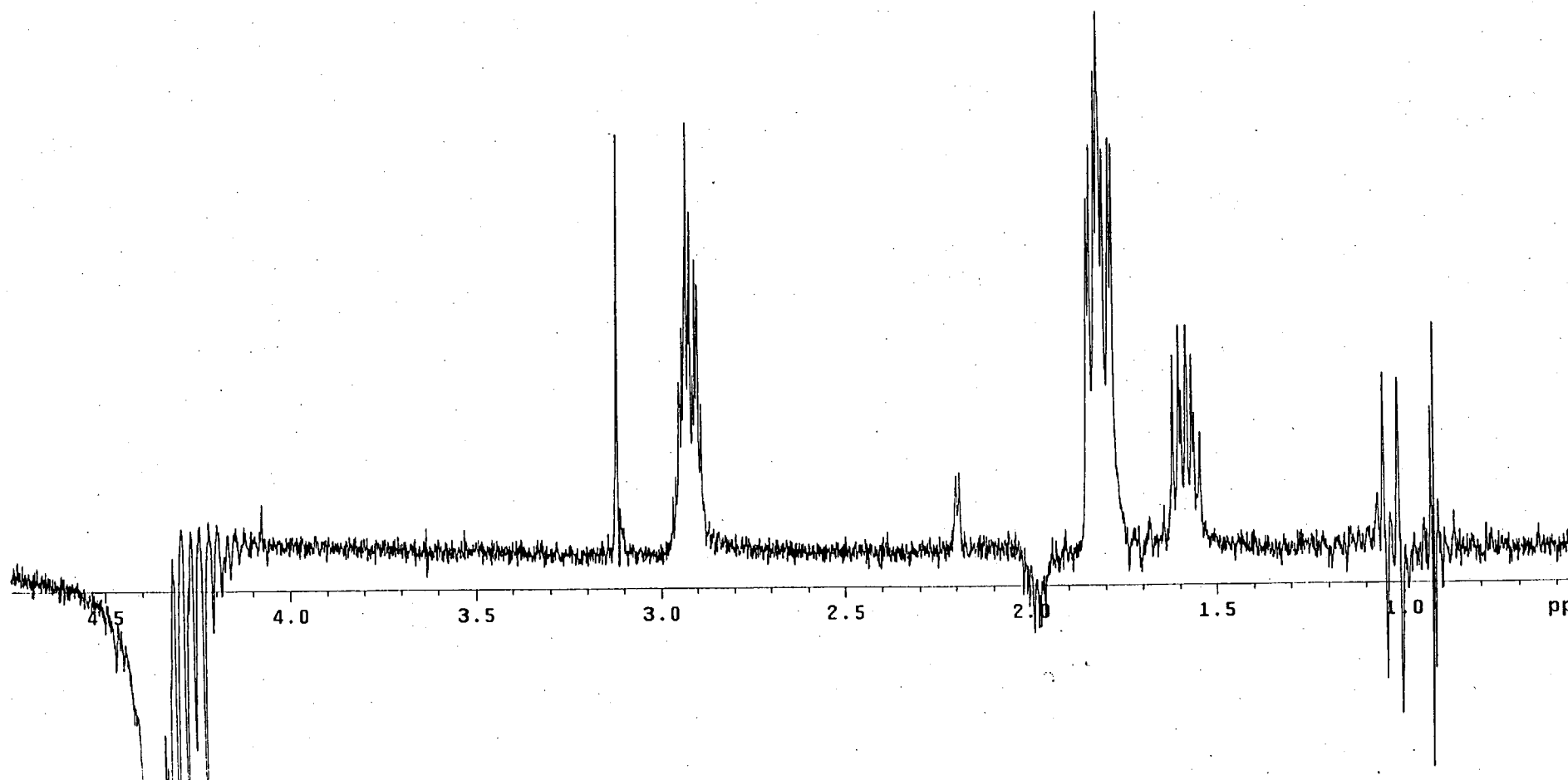
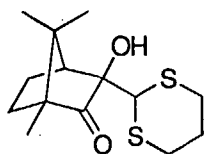
¹H NMR (CDCl₃)*endo*-3-(1,3-dithian-2-yl)-*exo*-3-hydroxy-1,7,7-trimethyl-2-bicyclo[2.2.1]heptanone (11)

McHale and Kutateladze

Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 2 ^{13}C NMR (CDCl_3)*endo*-3-(1,3-dithian-2-yl)-*exo*-3-hydroxy-7,7-trimethyl-2-bicyclo[2.2.1]heptanone (**11**)

NOE differences (CDCl₃)

endo-3-(1,3-dithian-2-yl)-*exo*-3-hydroxy-1,7,7-trimethyl-2-bicyclo[2.2.1]heptanone (**11**)

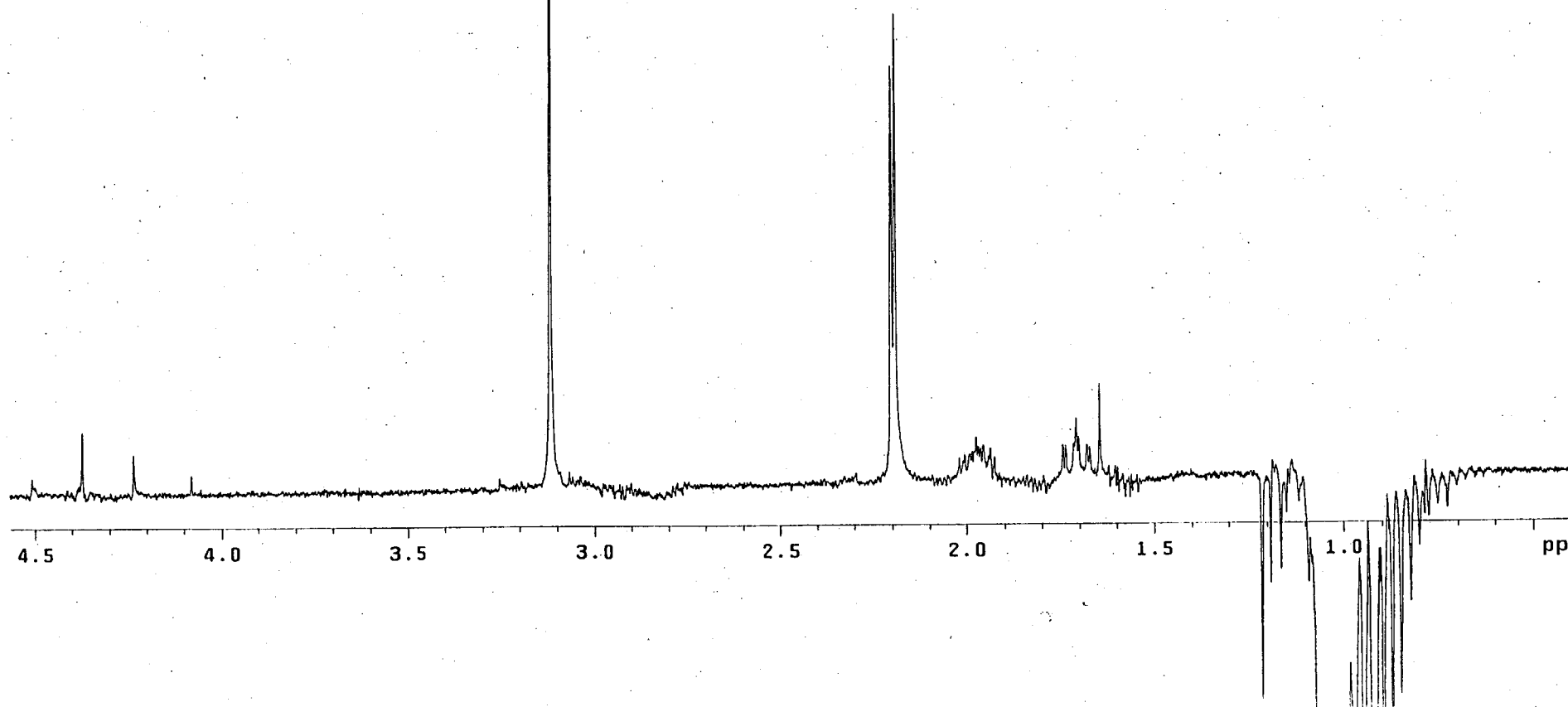
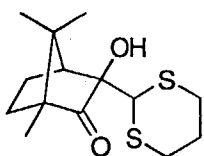


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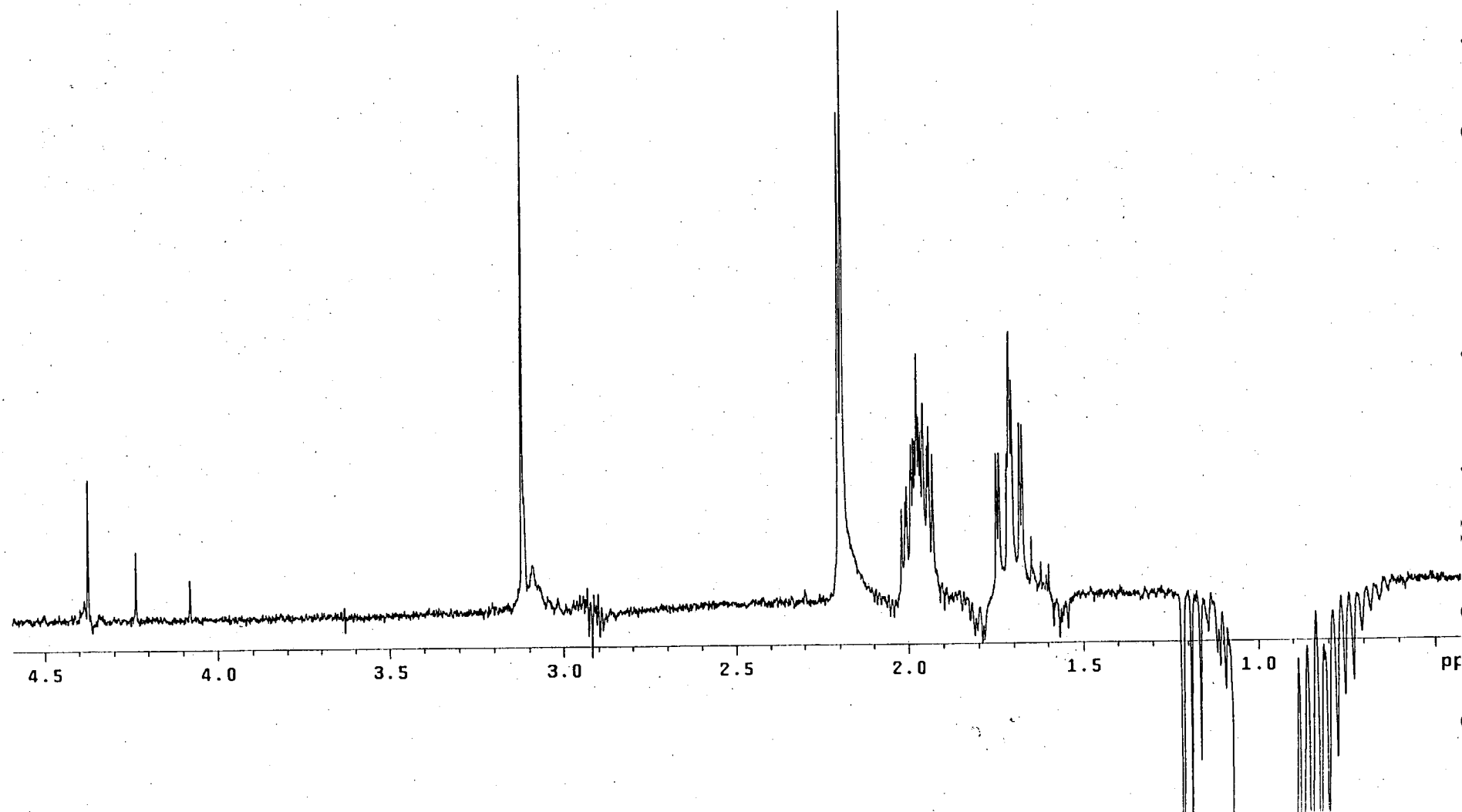
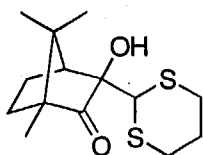
Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 4

NOE differences (CDCl₃)

endo-3-(1,3-dithian-2-yl)-*exo*-3-hydroxy-1,7,7-trimethyl-2-bicyclo[2.2.1]heptanone (**11**)



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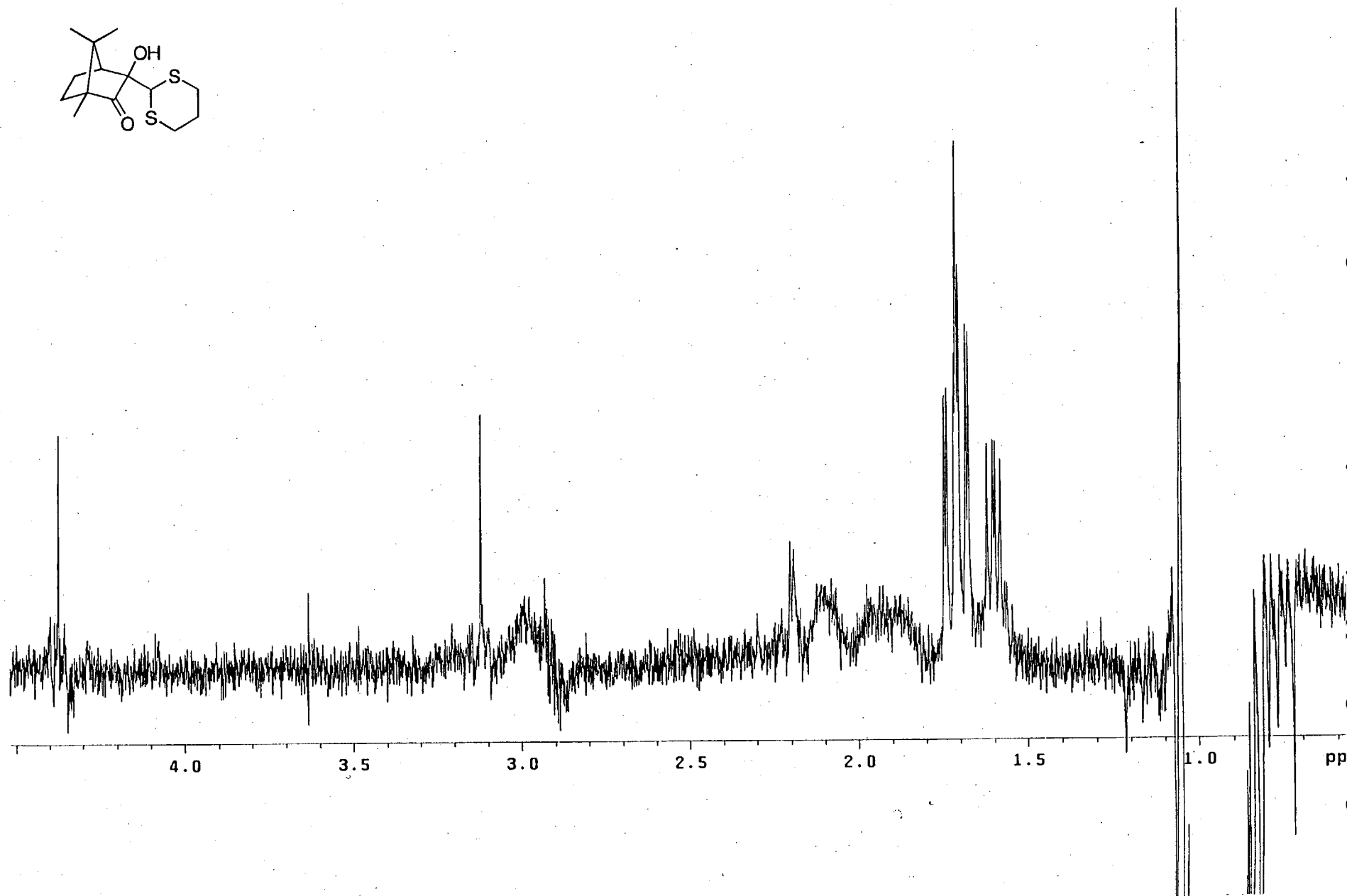
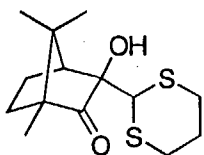
Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 5NOE differences (CDCl_3)*endo*-3-(1,3-dithian-2-yl)-*exo*-3-hydroxy-1,7,7-trimethyl-2-bicyclo[2.2.1]heptanone (**11**)

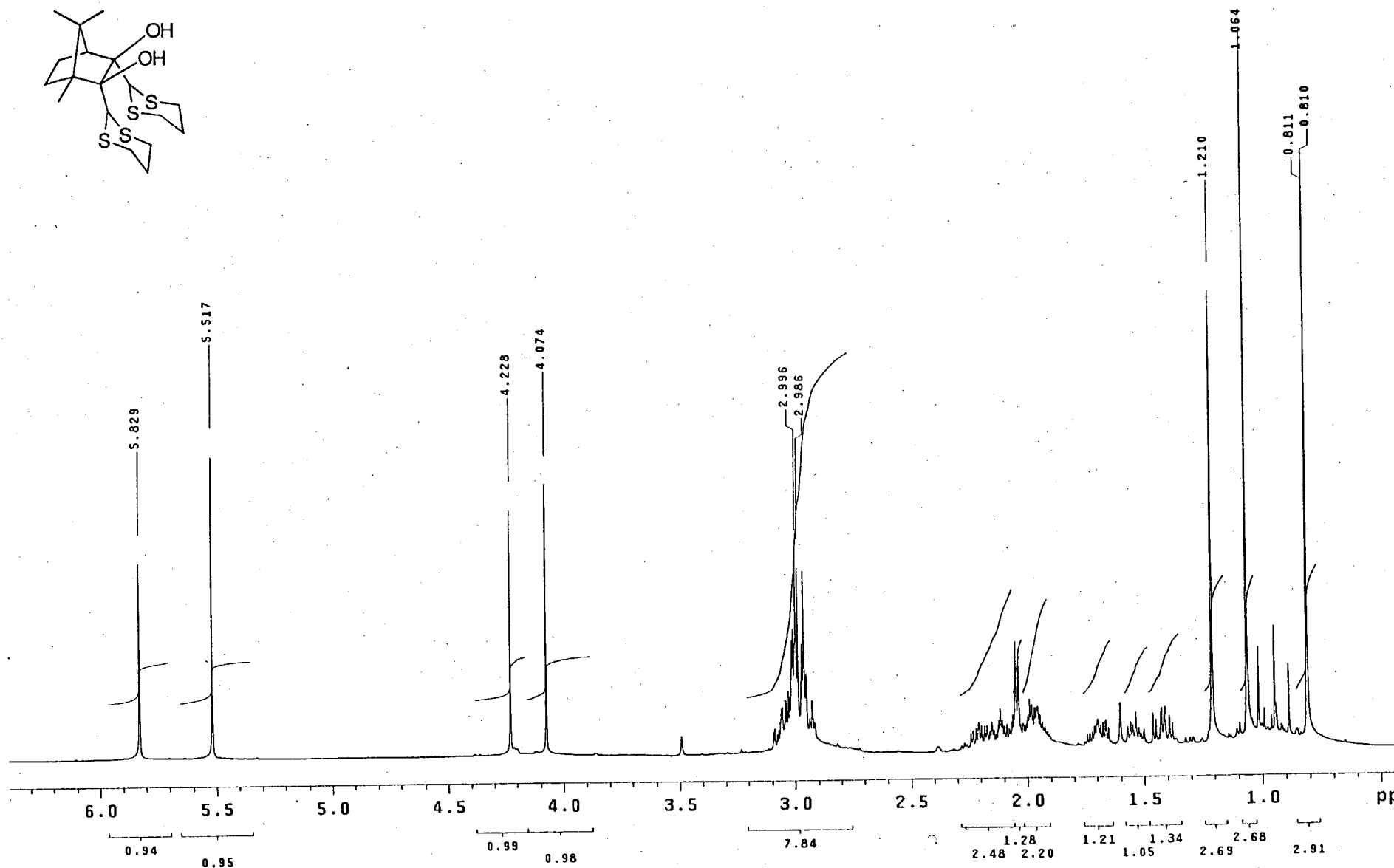
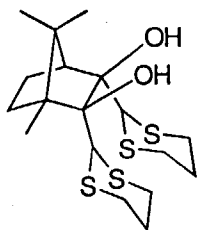
McHale and Kutateladze

Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 6

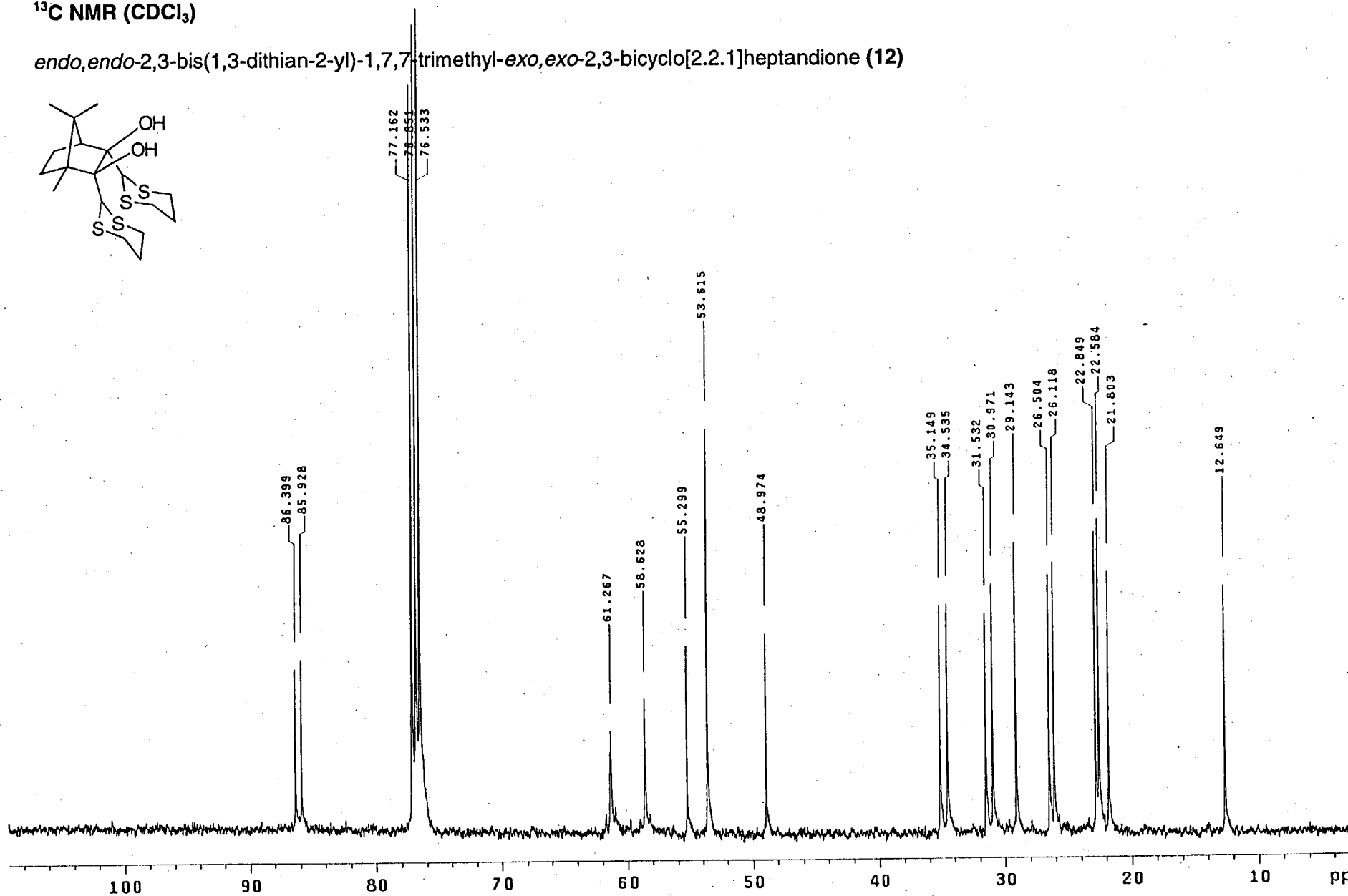
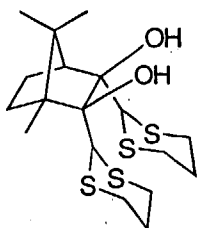
NOE differences (CDCl₃)

endo-3-(1,3-dithian-2-yl)-*exo*-3-hydroxy-1,7,7-trimethyl-2-bicyclo[2.2.1]heptanone (**11**)



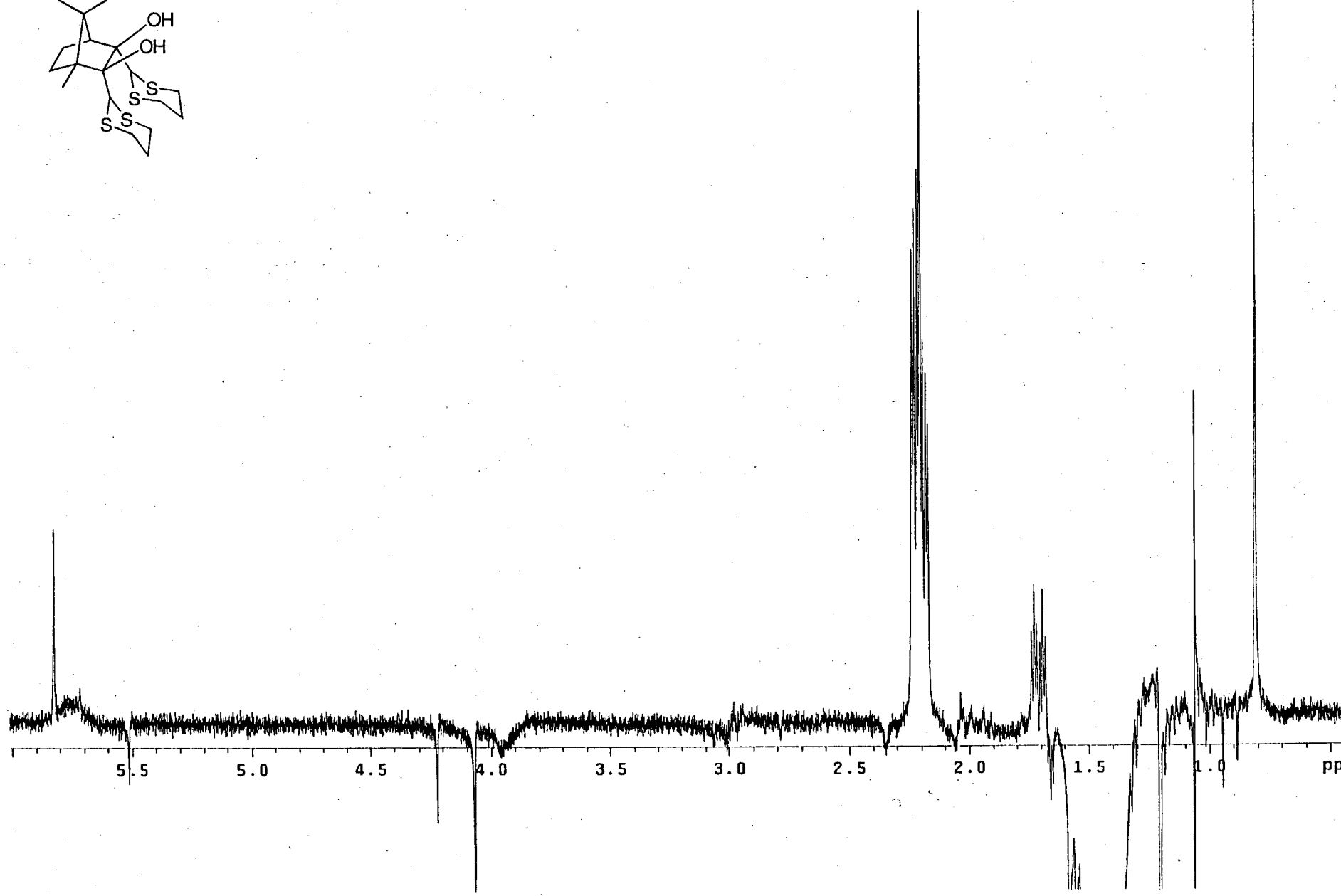
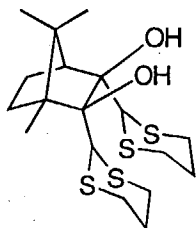
^1H NMR (CDCl_3)*endo,endo*-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

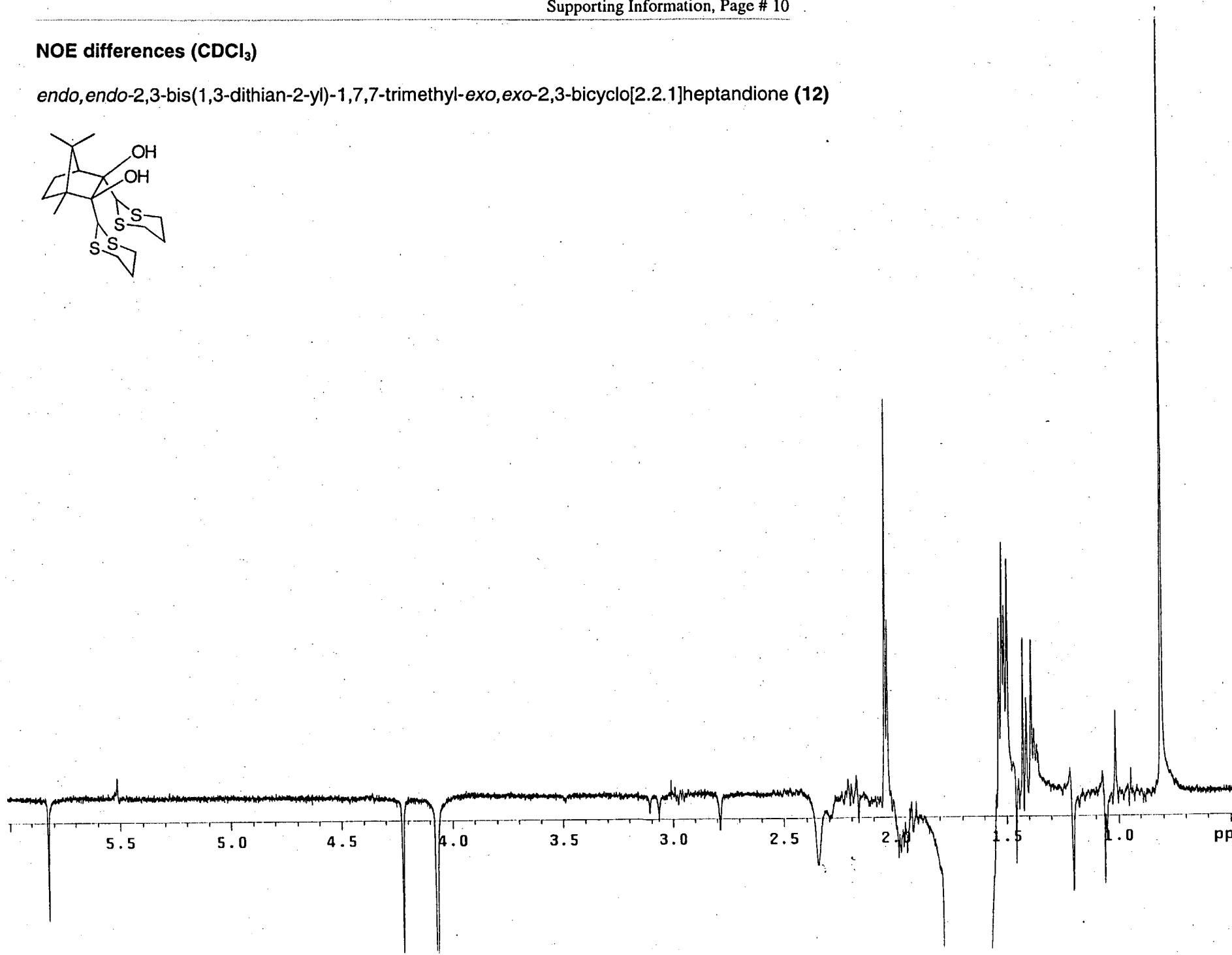
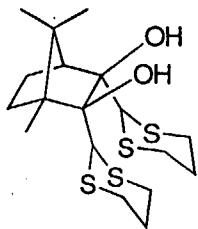
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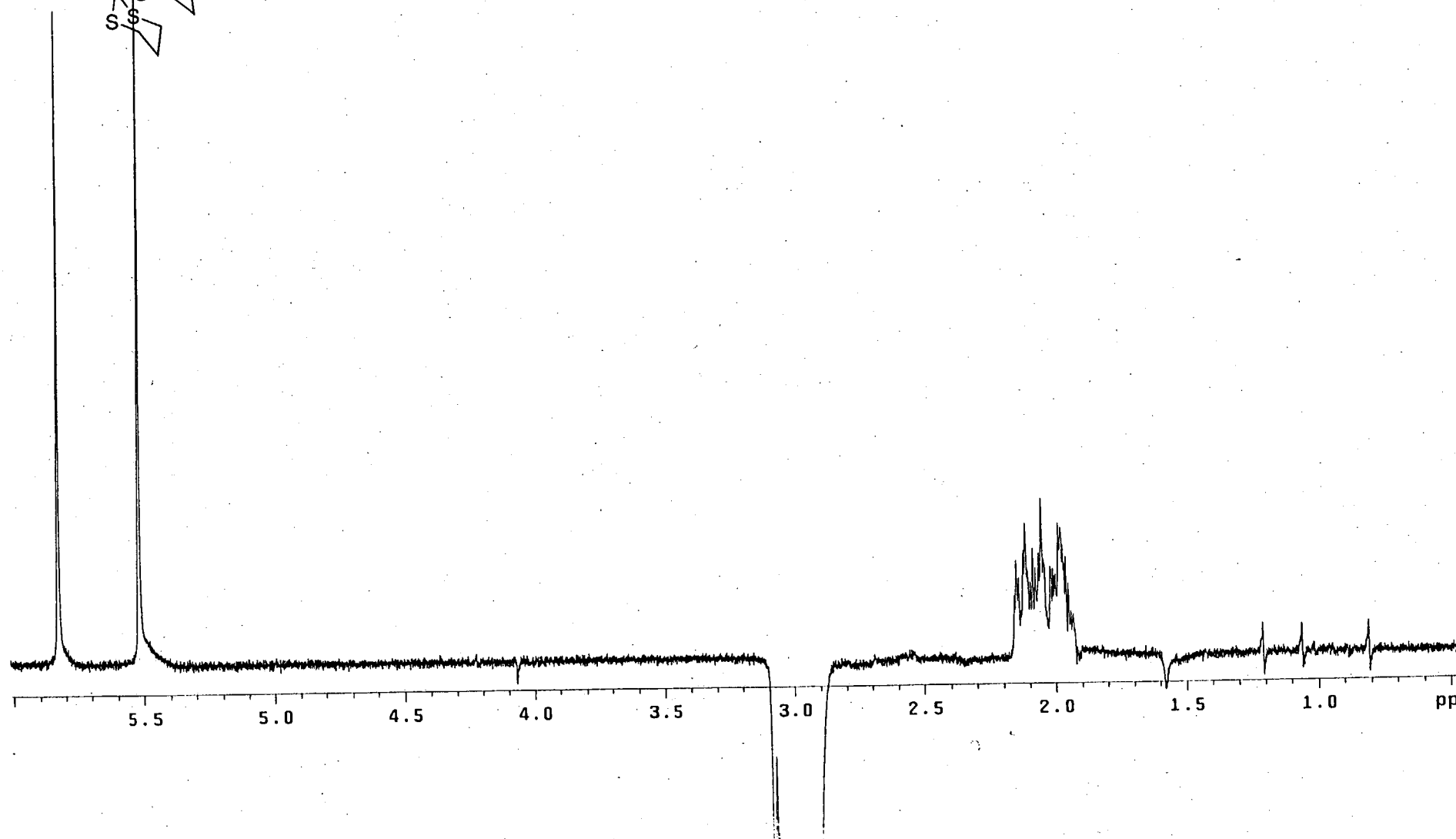
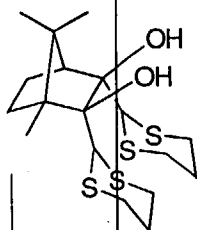
Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 8 ^{13}C NMR (CDCl_3)*endo,endo*-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

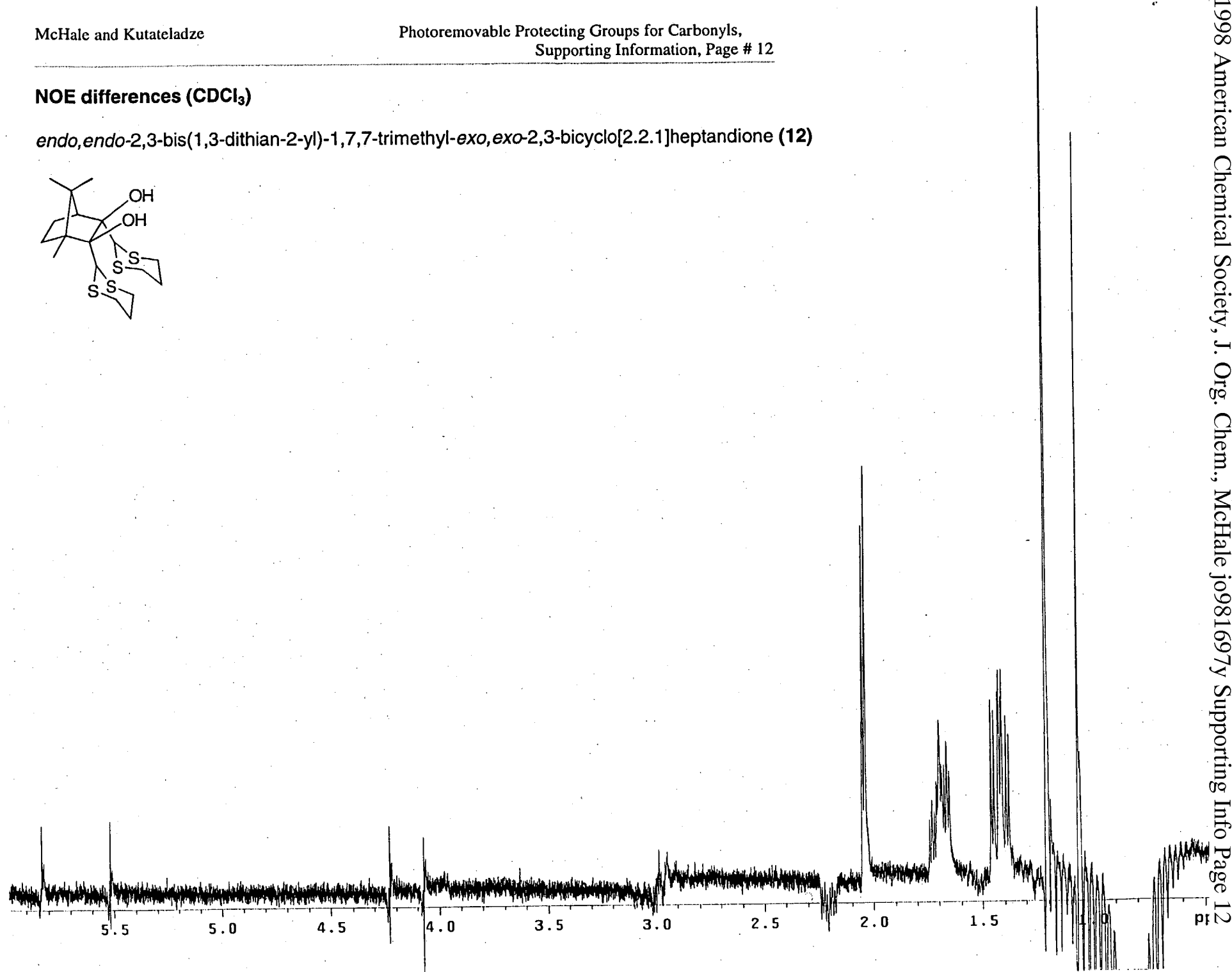
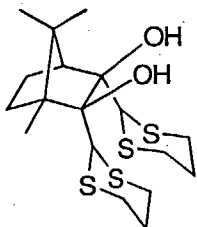
NOE differences (CDCl₃)

endo,endo-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)



NOE differences (CDCl₃)*endo,endo*-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

NOE differences (CDCl₃)*endo,endo*-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

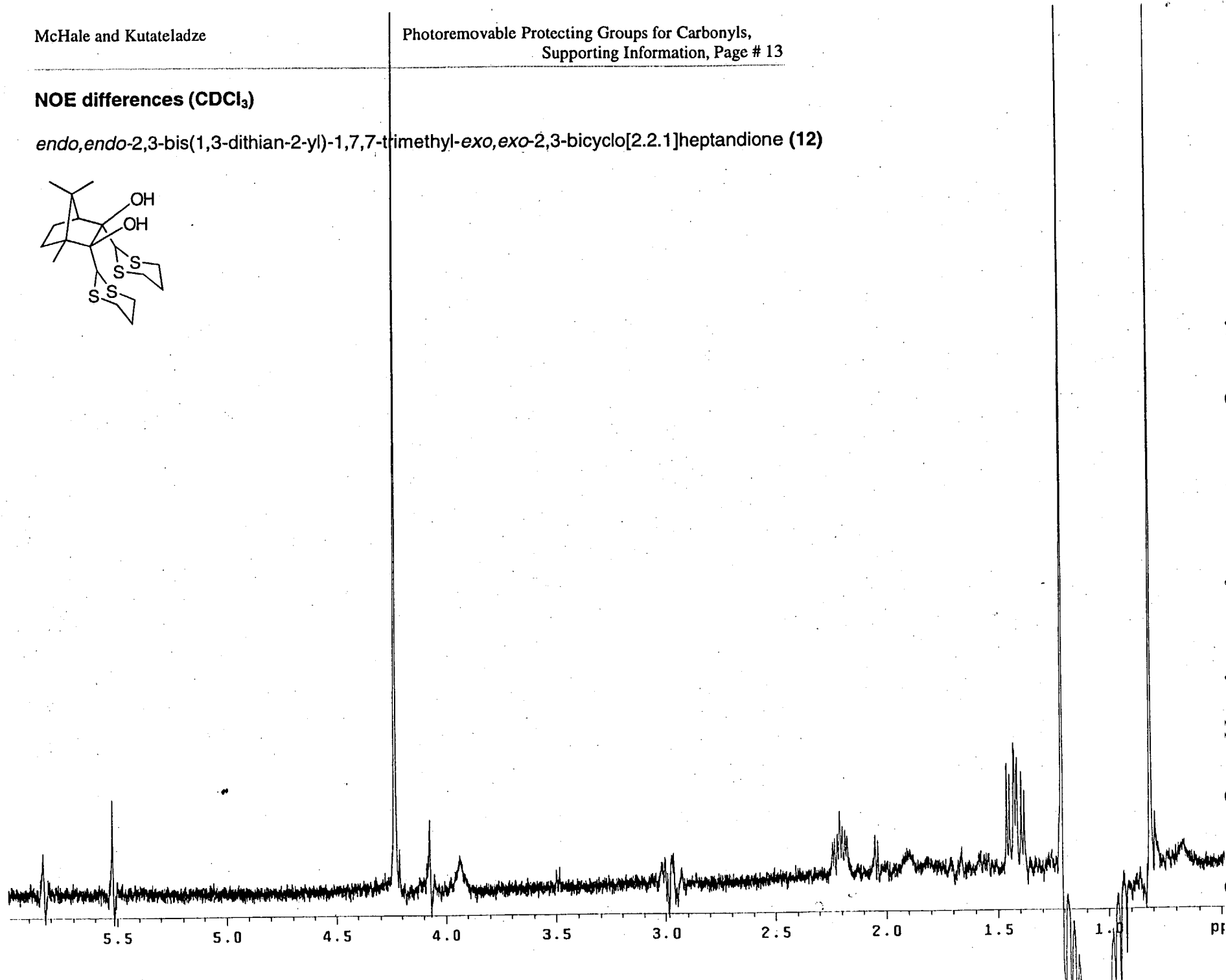
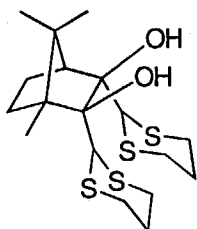
NOE differences (CDCl₃)*endo,endo*-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

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Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 13

NOE differences (CDCl₃)

endo,endo-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

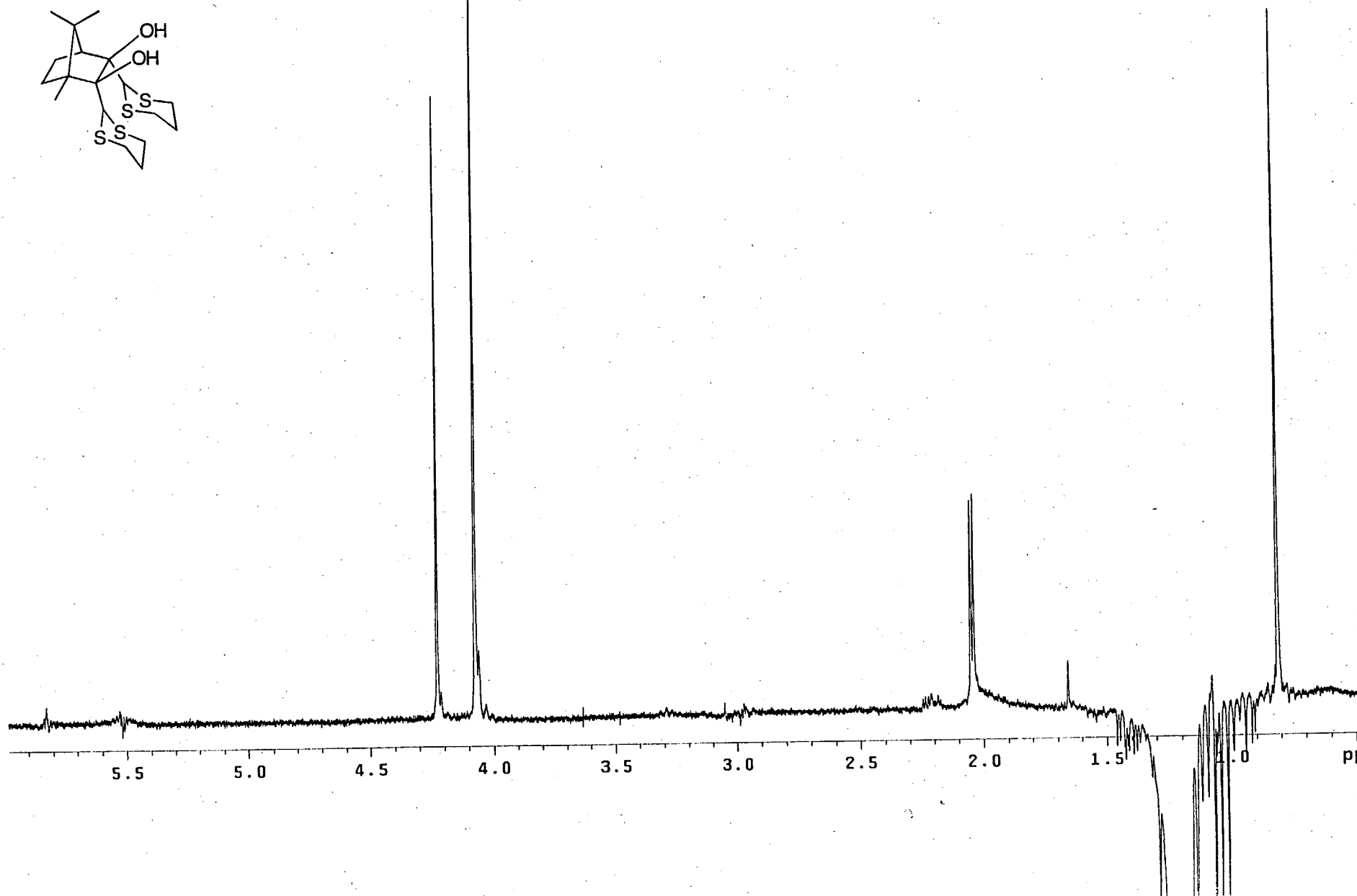
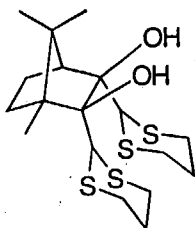


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Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 14

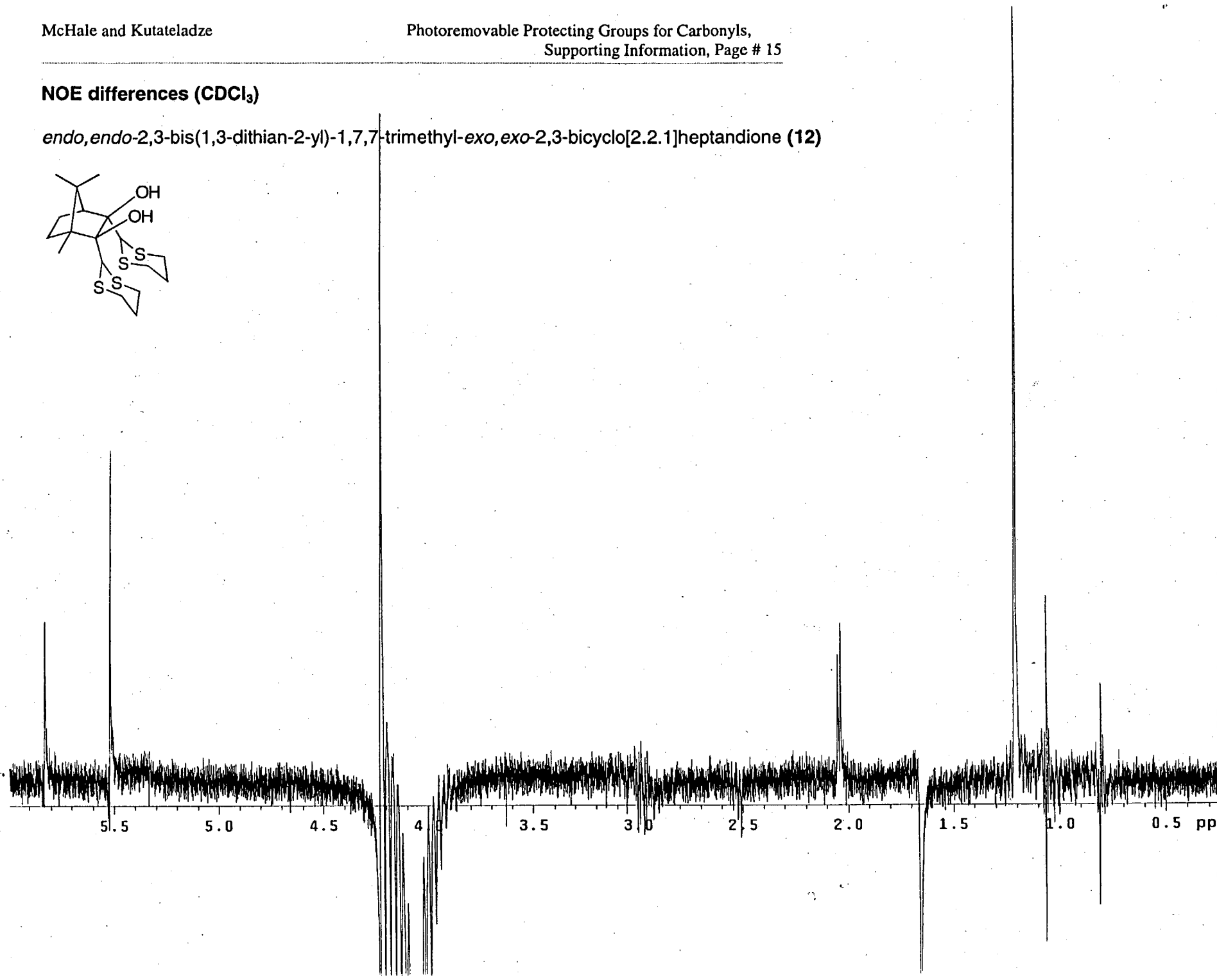
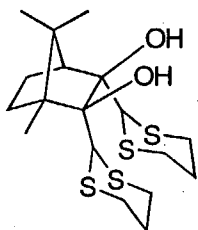
NOE differences (CDCl₃)

endo,endo-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)



NOE differences (CDCl₃)

endo,endo-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

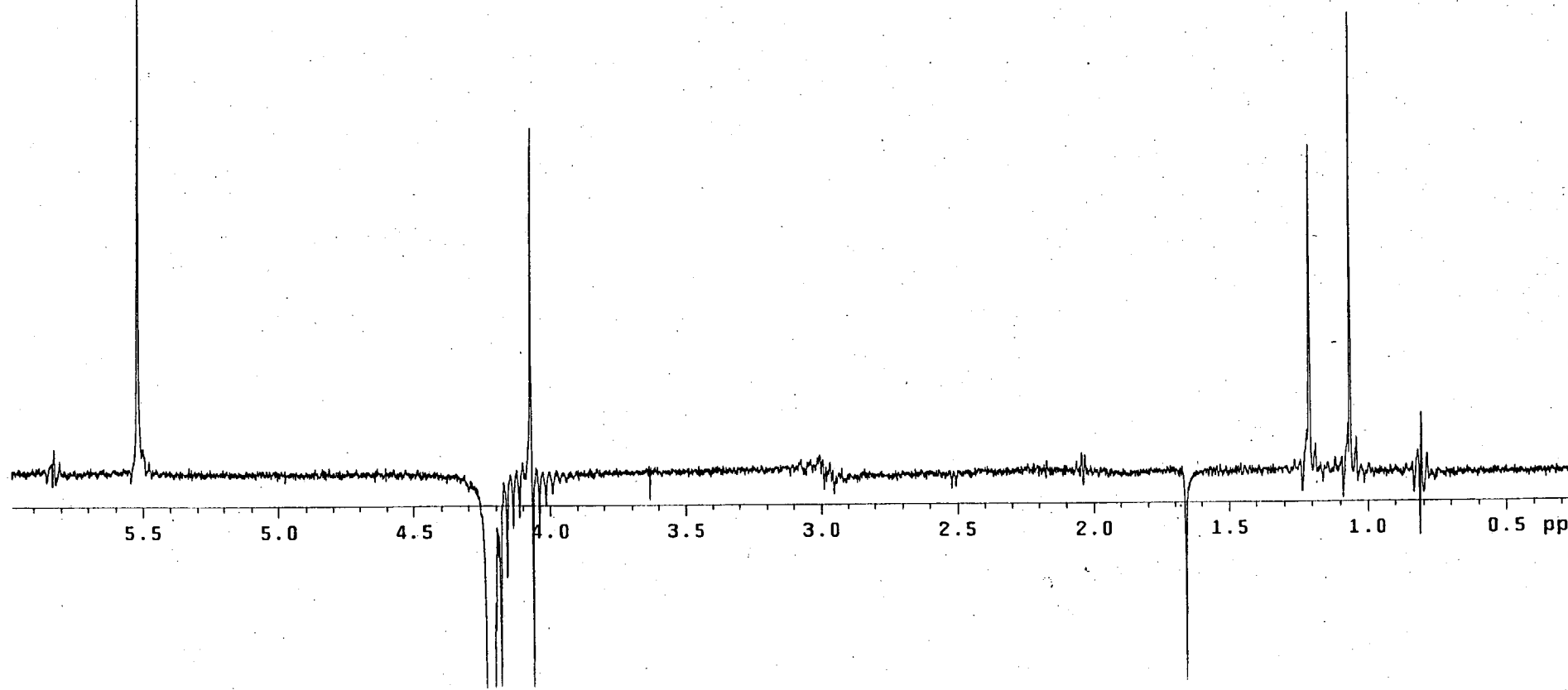
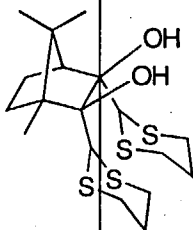


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Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 16

NOE differences (CDCl₃)

endo,endo-2,3-bis(1,3-dithian-2-yl)-1,7,7-trimethyl-*exo,exo*-2,3-bicyclo[2.2.1]heptandione (**12**)

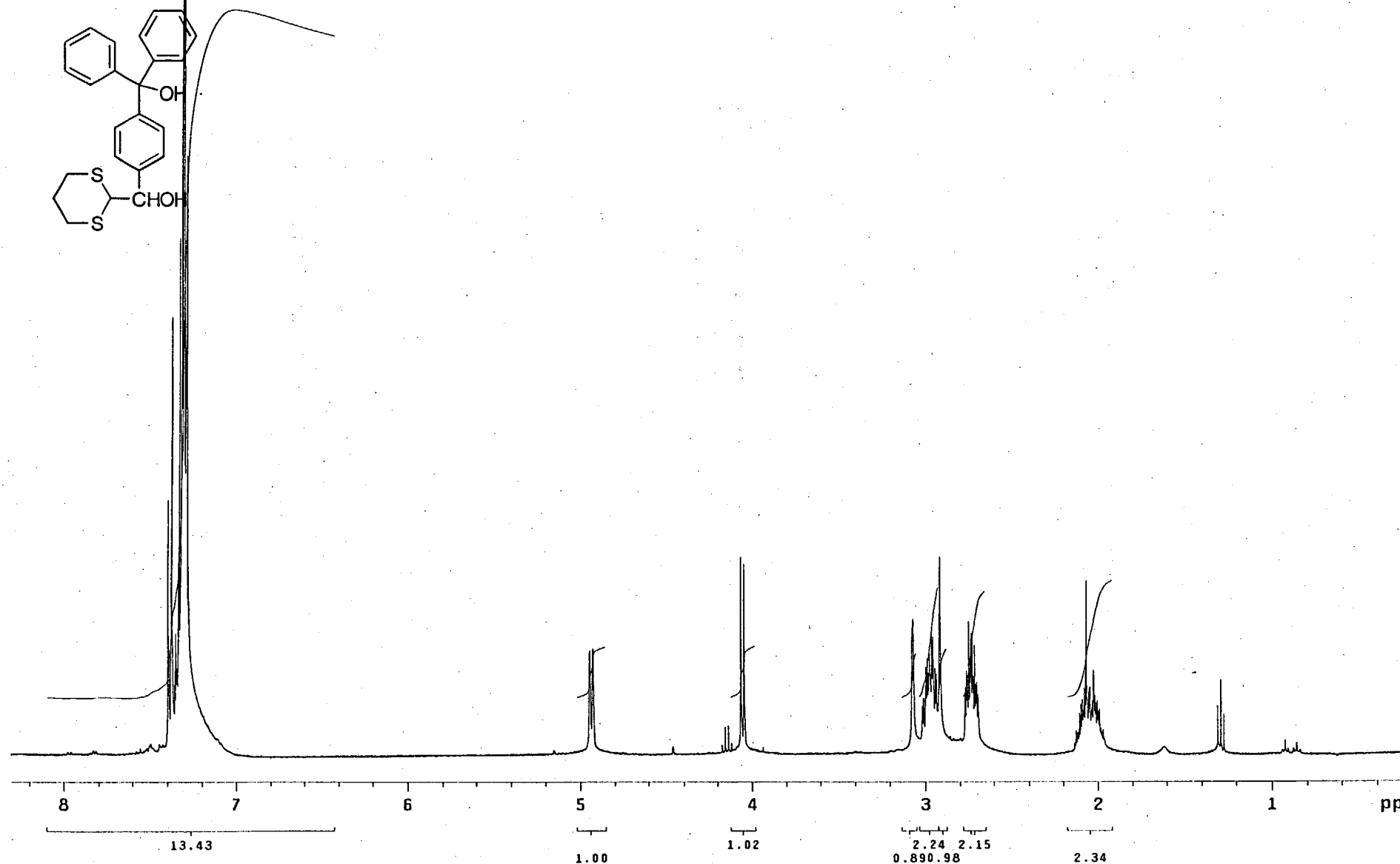


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Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 17

^1H NMR (CDCl_3)

4-(hydroxy-(1,3-dithiane-2-yl)methyl)trityl alcohol (17)

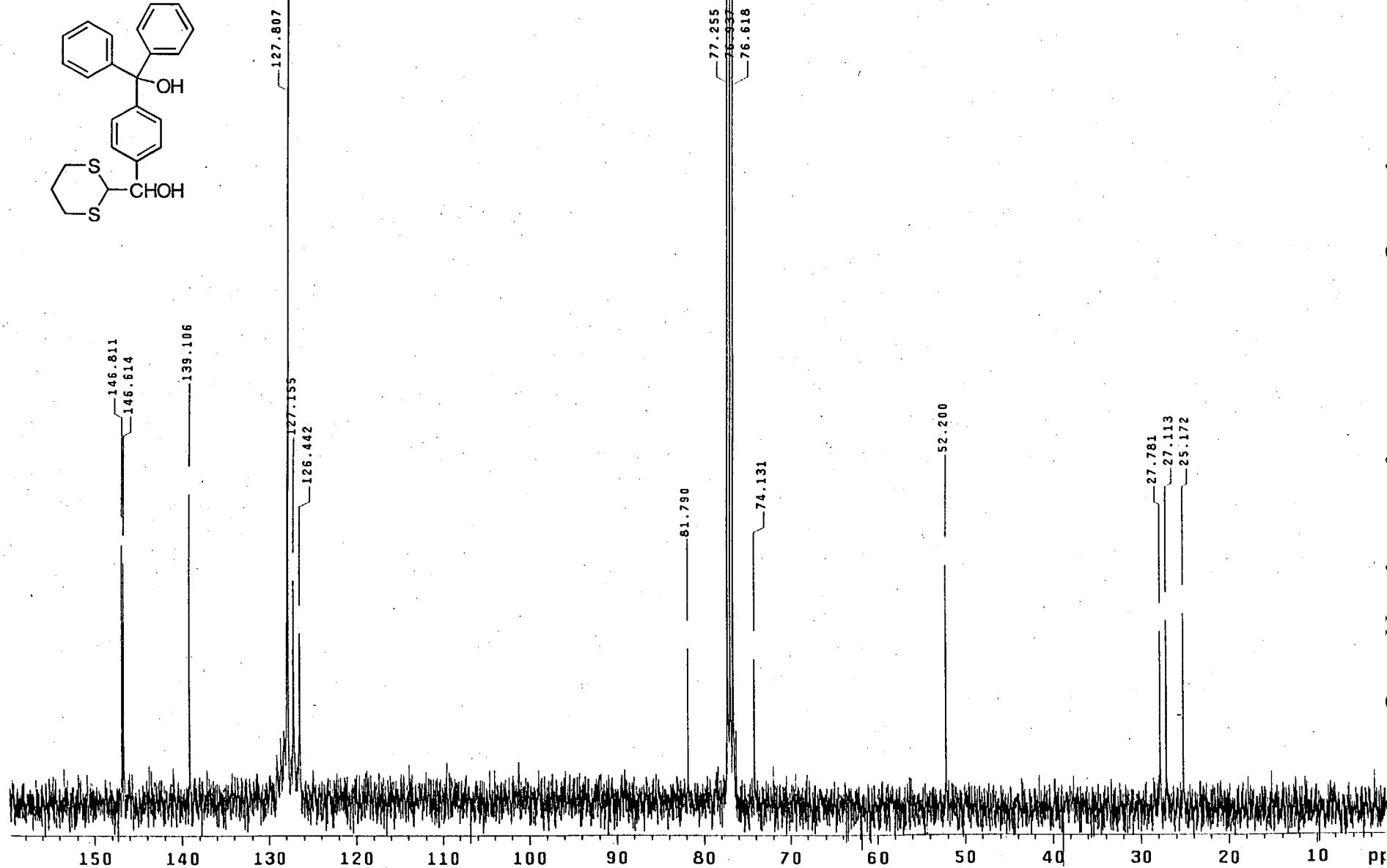
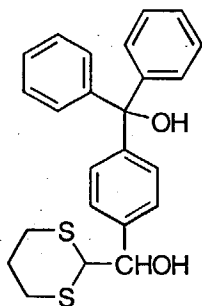


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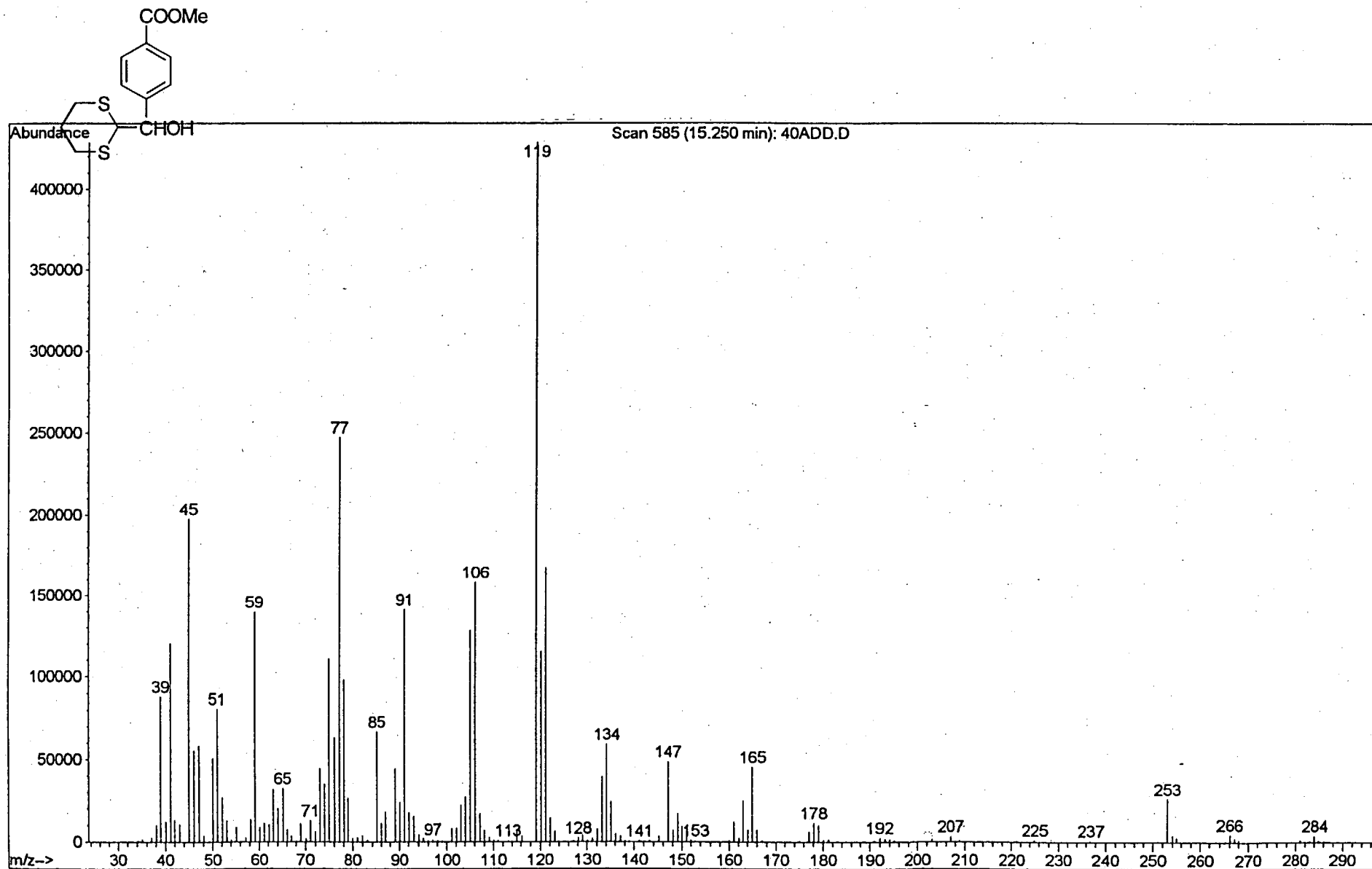
Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 18

^{13}C NMR (CDCl_3)

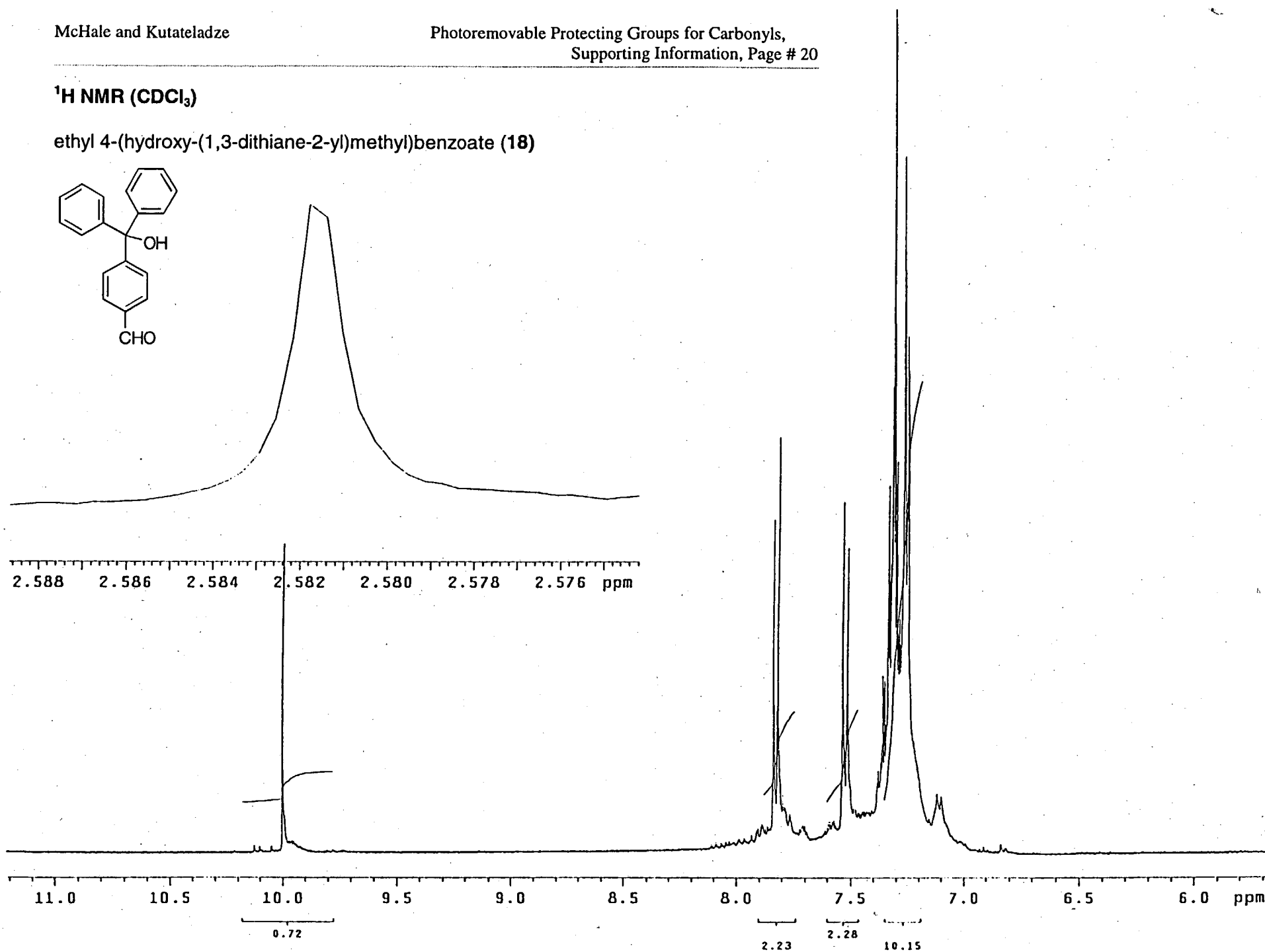
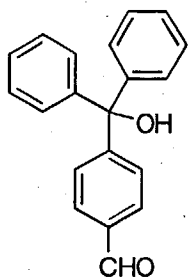
4-(hydroxy-(1,3-dithiane-2-yl)methyl)trityl alcohol (17)



MS

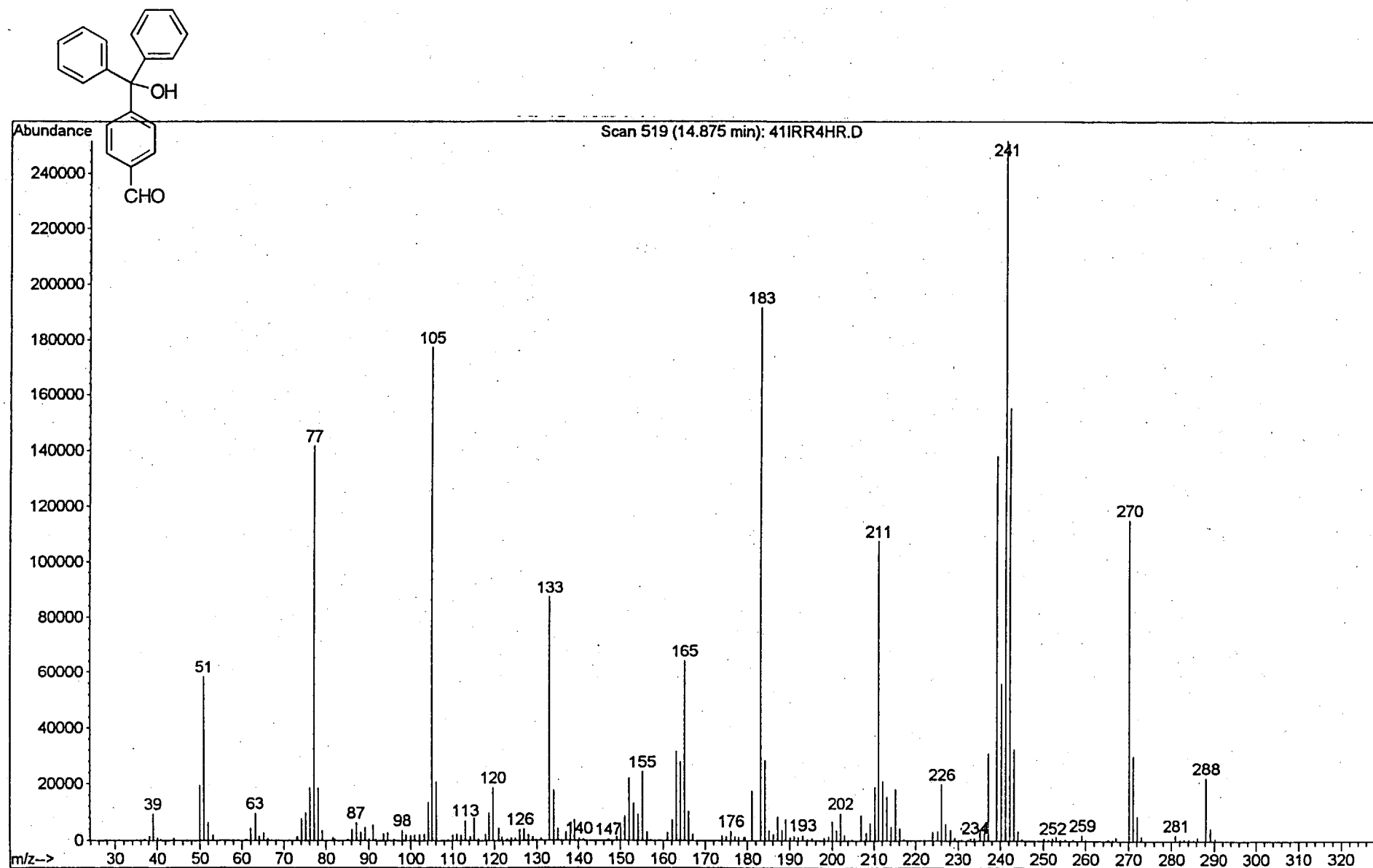
ethyl 4-(hydroxy-(1,3-dithiane-2-yl)methyl)benzoate (**16**)

McHale and Kutateladze

Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 20 ^1H NMR (CDCl_3)ethyl 4-(hydroxy-(1,3-dithiane-2-yl)methyl)benzoate (**18**)

MS

ethyl 4-(hydroxy-(1,3-dithiane-2-yl)methyl)benzoate (18)

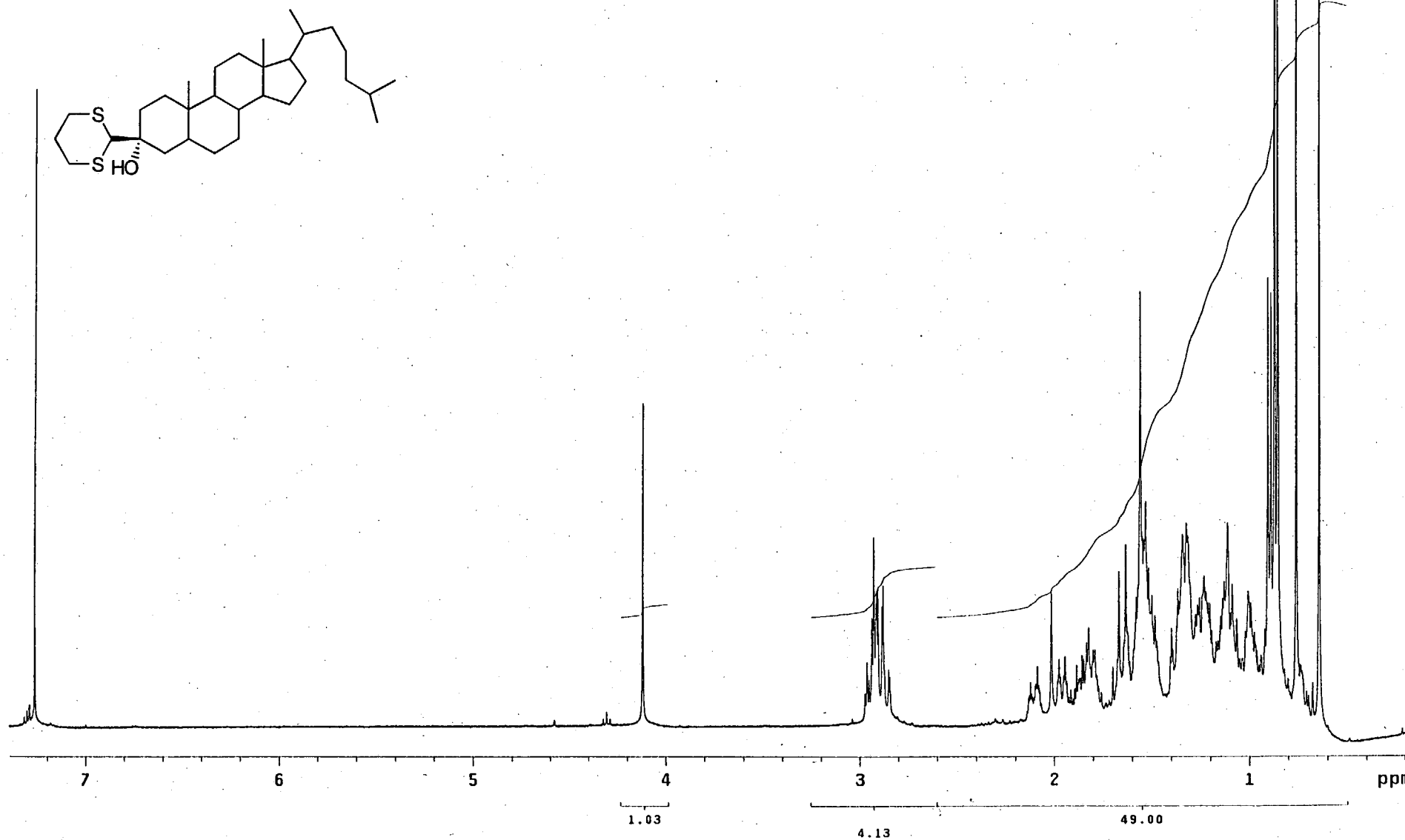


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Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 22

¹H NMR (CDCl₃)

3α-(1,3-dithiane-2-yl)-5α-cholestan-3-ol (7α)

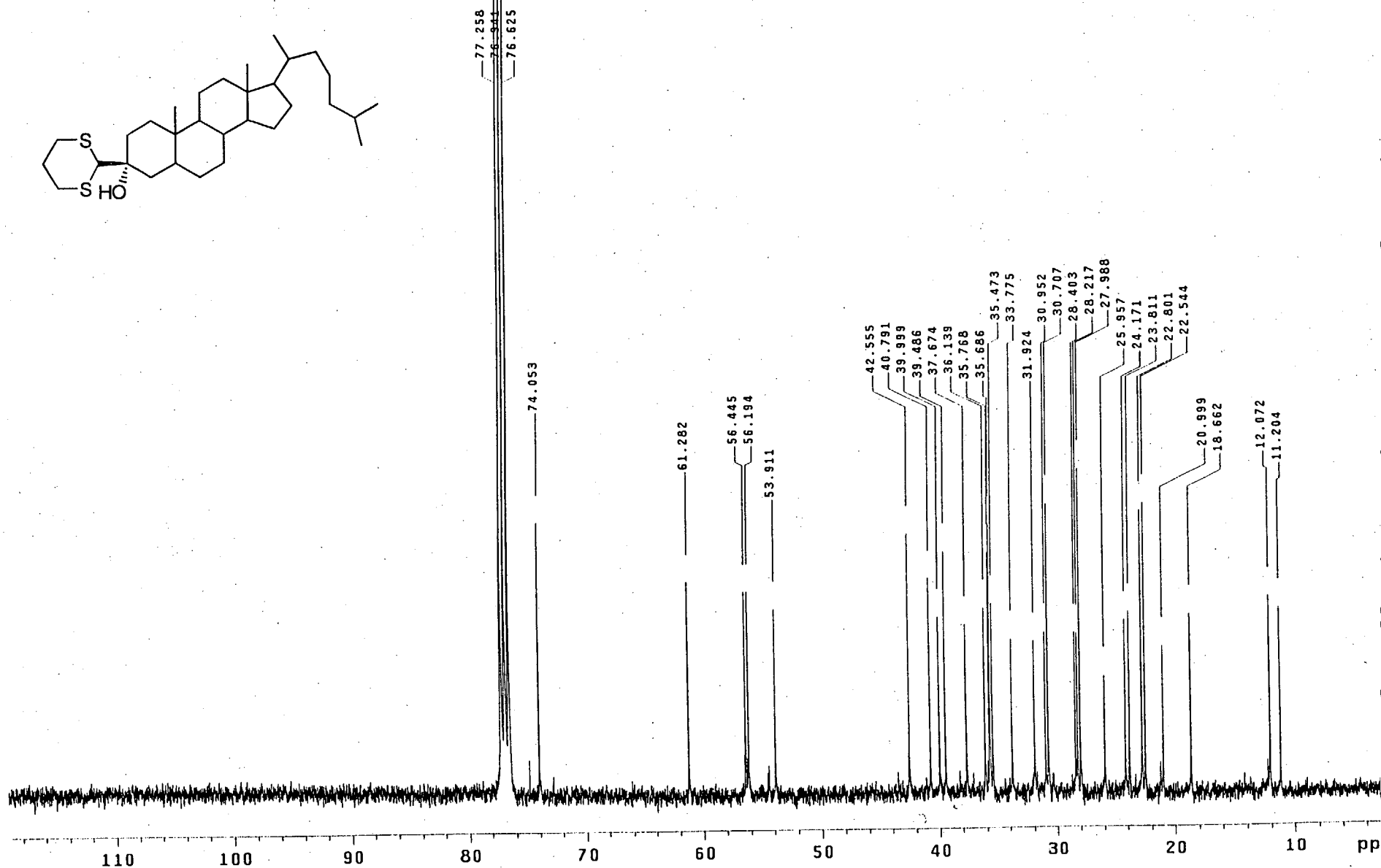
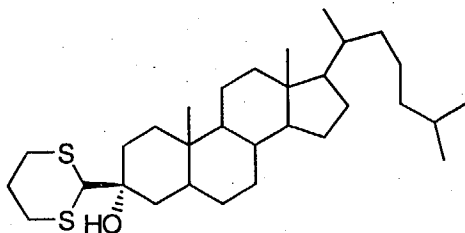


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Photoremovable Protecting Groups for Carbonyls,
Supporting Information, Page # 23

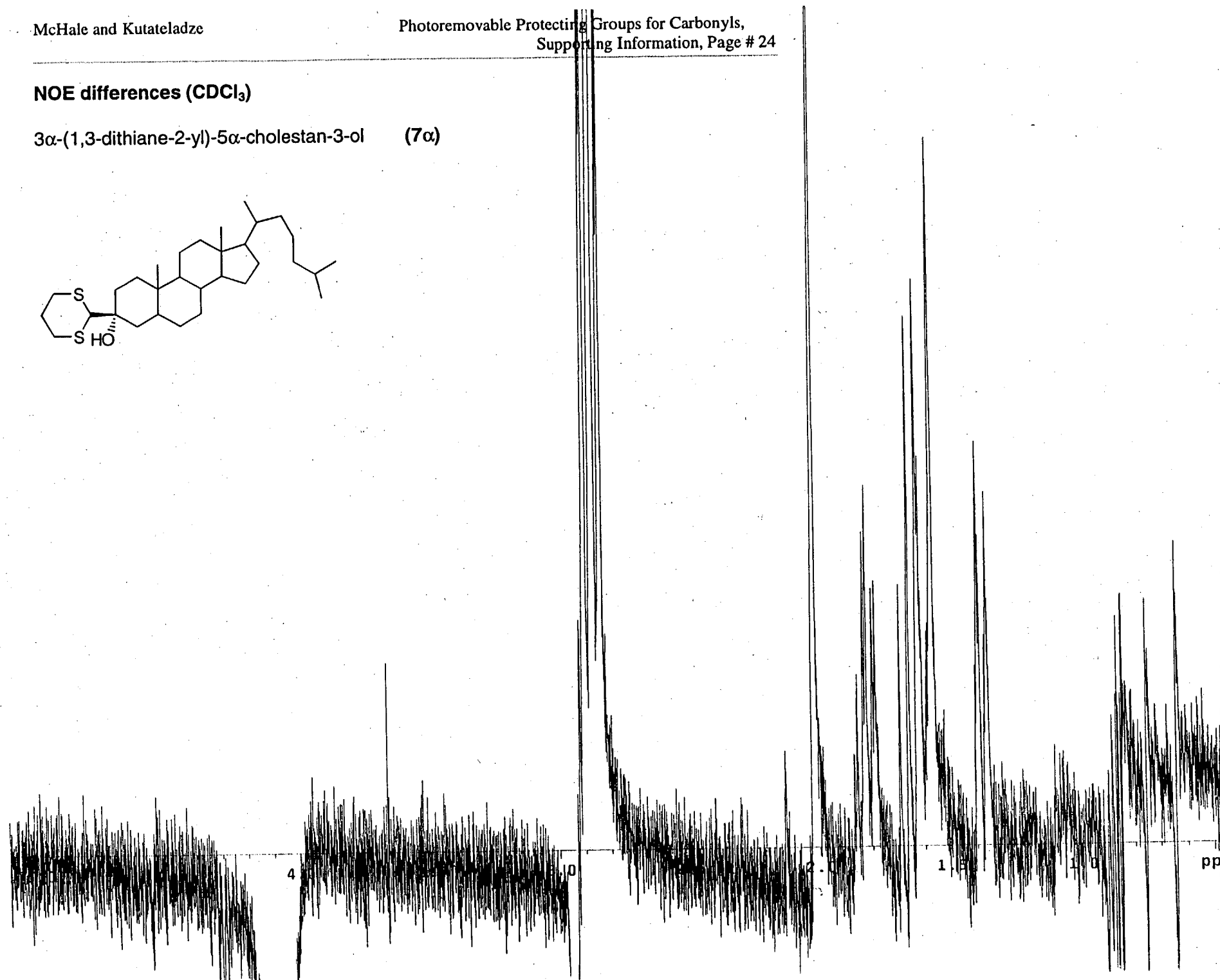
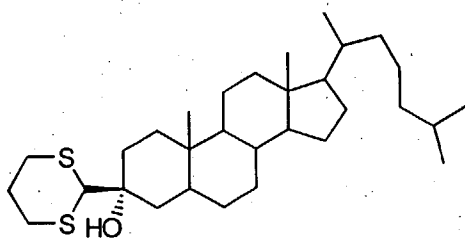
^{13}C NMR (CDCl_3)

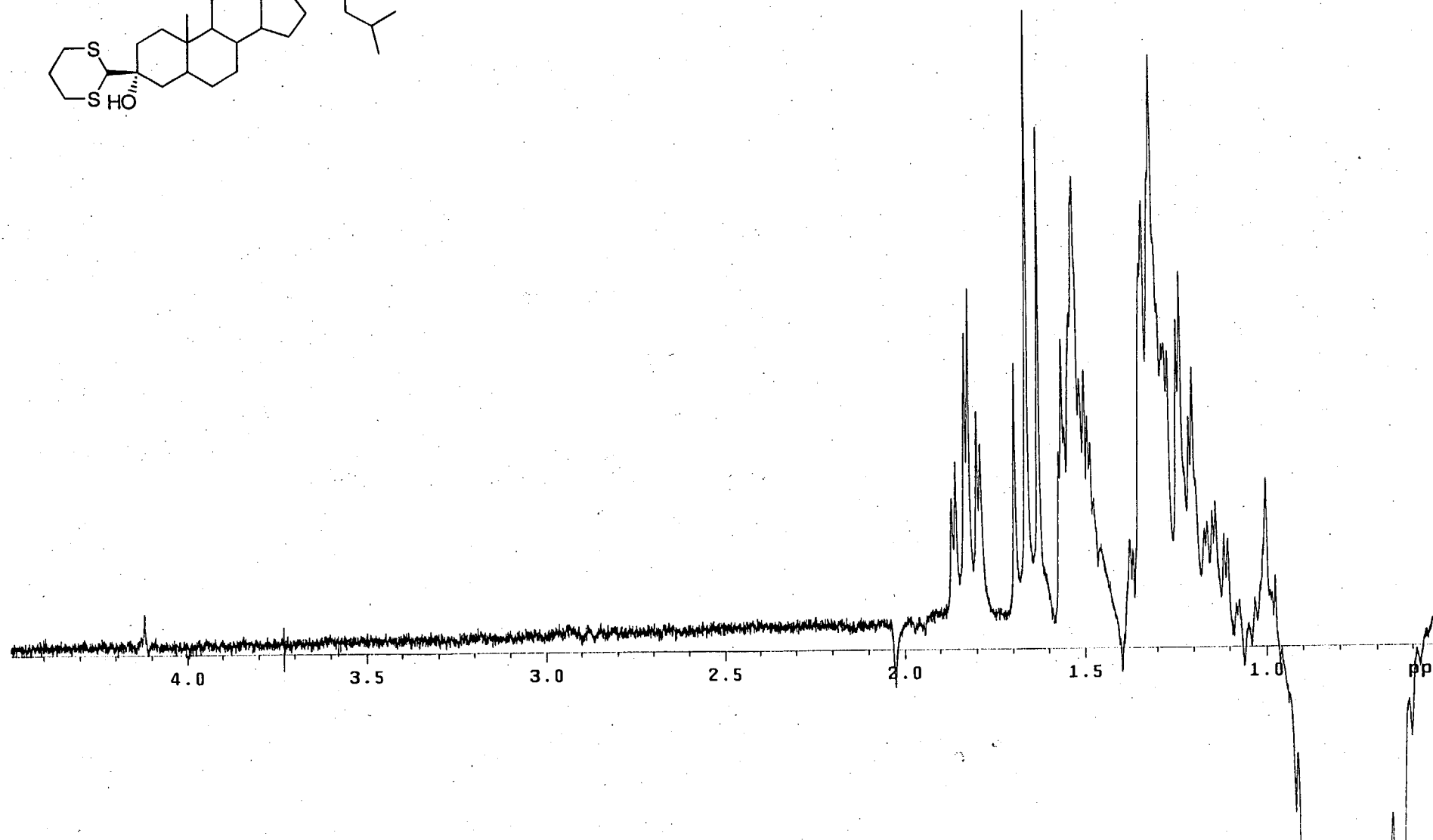
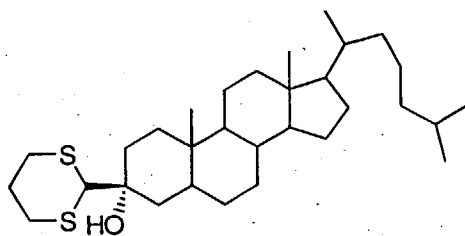
3 α -(1,3-dithiane-2-yl)-5 α -cholestan-3-ol (7 α)



NOE differences (CDCl₃)

3 α -(1,3-dithiane-2-yl)-5 α -cholestan-3-ol (7 α)



NOE differences (CDCl₃)3 α -(1,3-dithiane-2-yl)-5 α -cholestan-3-ol (7 α)

NOE differences (CDCl₃)3 α -(1,3-dithiane-2-yl)-5 α -cholestan-3-ol (7 α)