Supplementary Information for

Unprecedented influence of remote substituents on reactivity and stereoselectivity in Cu(I)-catalyzed [2+2] photocycloaddition reaction. An approach towards the synthesis of tricycloclavulone.

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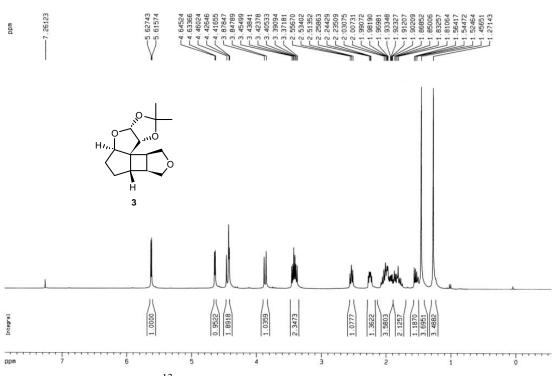
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(¹H & ¹³C NMR Spectra for all new compounds **3-41** and 2D NMR & NOE Spectra for **27** along with DEPT spectrum for **41**)

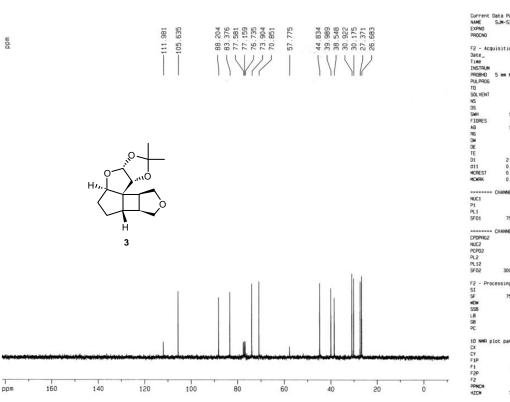
¹H NMR of **3** in CDCl₃ (300 MHz)

SJM-S3-115-1H (SR)



¹³C NMR of **3** in CDCl₃ (75 MHz)

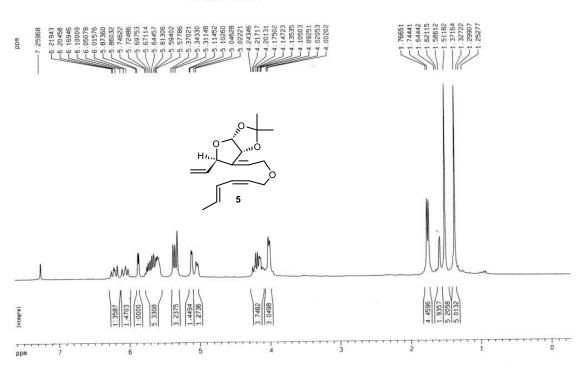
SJM-S3-115-13C (SR)



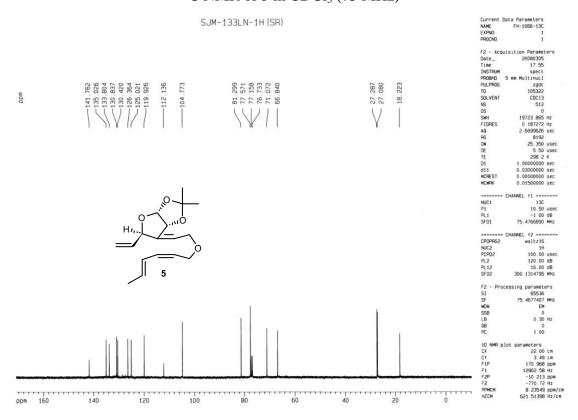


¹H NMR of **5** in CDCl₃ (300 MHz)

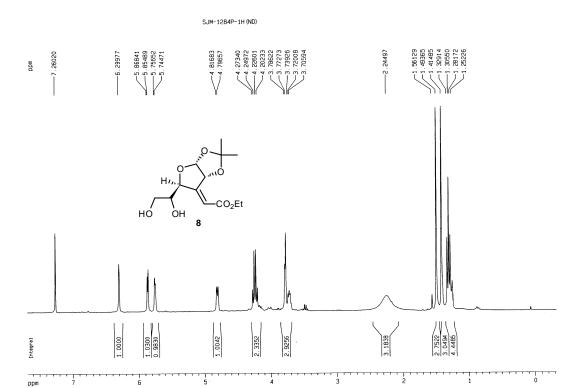
FH-1079-1H (SR)



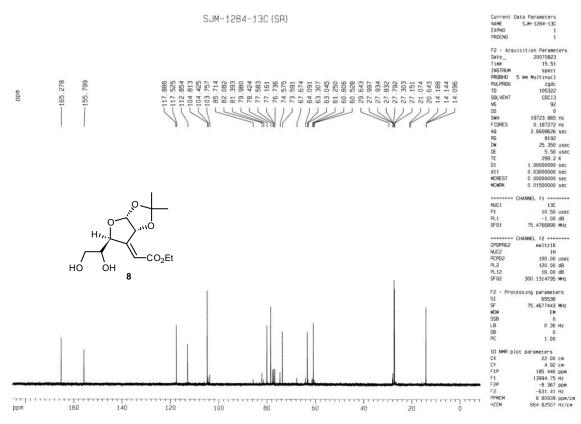
13 C NMR of **5** in CDCl₃ (75 MHz)



¹H NMR of **8** in CDCl₃ (300 MHz)

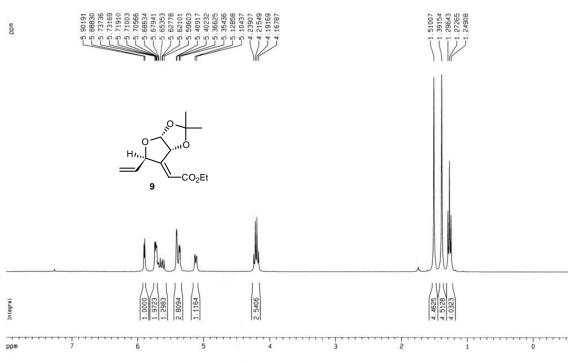


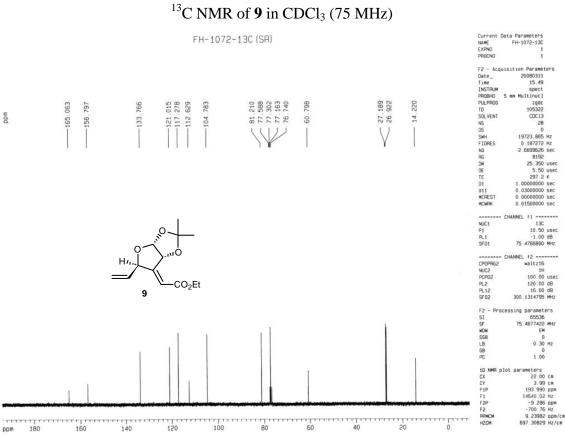
13 C NMR of 8 in CDCl₃ (75 MHz)



¹H NMR of **9** in CDCl₃ (300 MHz)

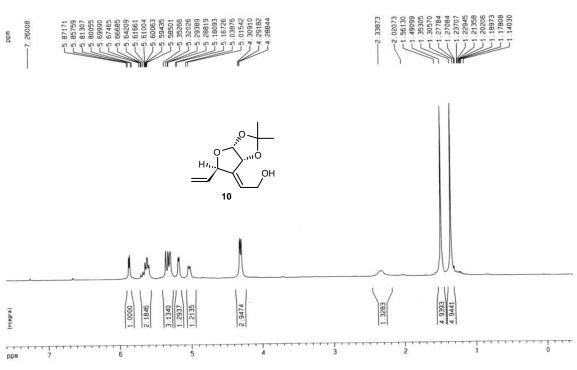
FH-1072-1H (SR)



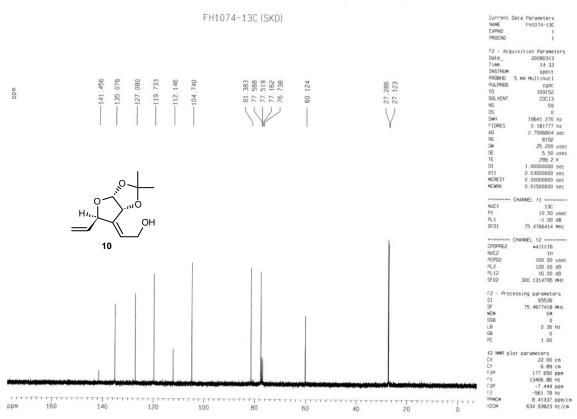


¹H NMR of **10** in CDCl₃ (300 MHz)



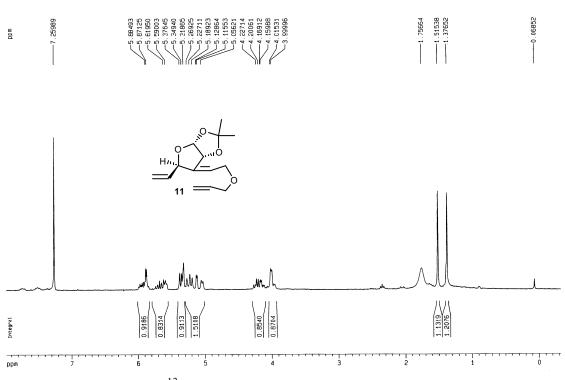


13 C NMR of **10** in CDCl₃ (75 MHz)



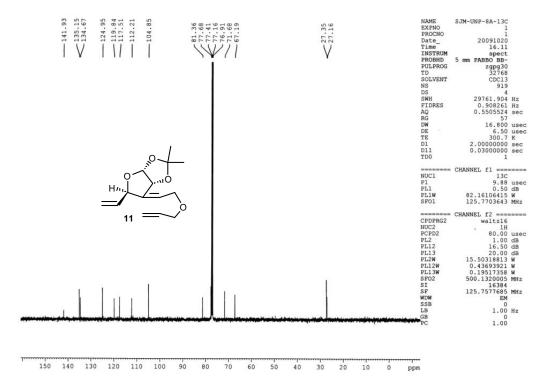
¹H NMR of **11** in CDCl₃ (300 MHz)

SJM-UNP1-1H (ND)



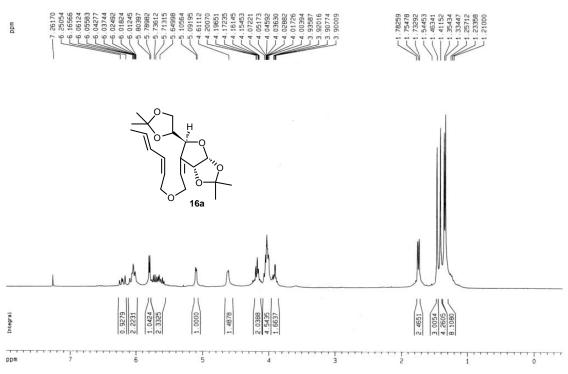
^{13}C NMR of $\boldsymbol{11}$ in CDCl₃ (125 MHz)

SJM-UNP-8A-13C(SI



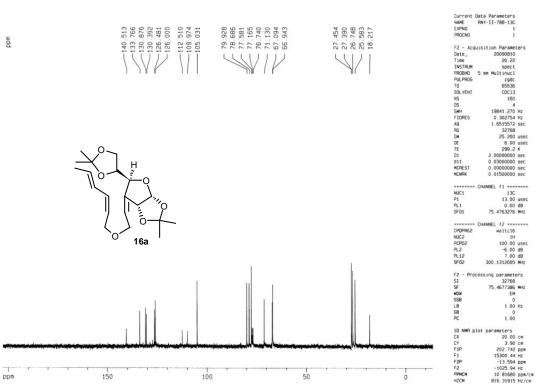
¹H NMR of **16a** in CDCl₃ (300 MHz)

RNY-II-78B-1H (SR)



13 C NMR of **16a** in CDCl₃ (75 MHz)

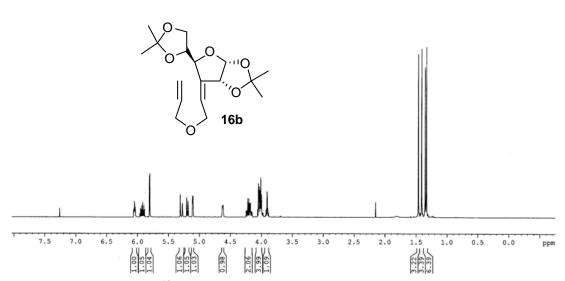
RNY-II-788-13C (SR)



¹H NMR of **16b** in CDCl₃ (500 MHz)

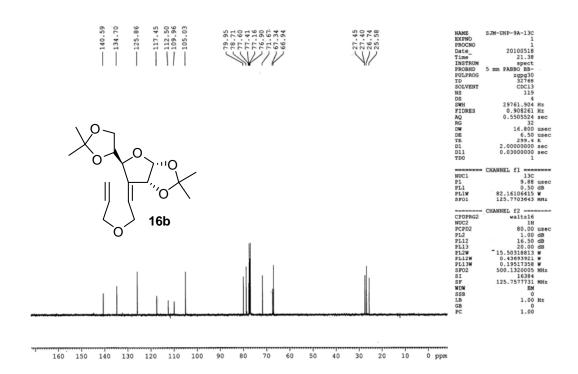
SJM-UNP-9A-1H(SR)



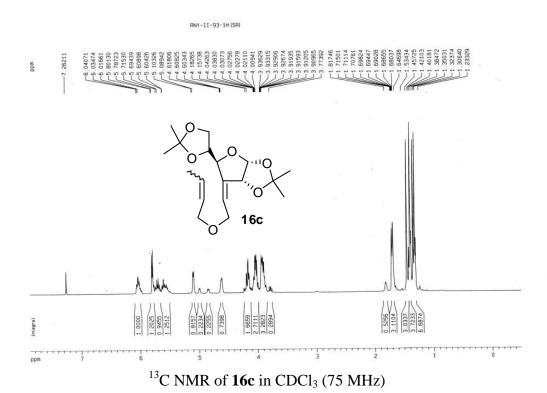


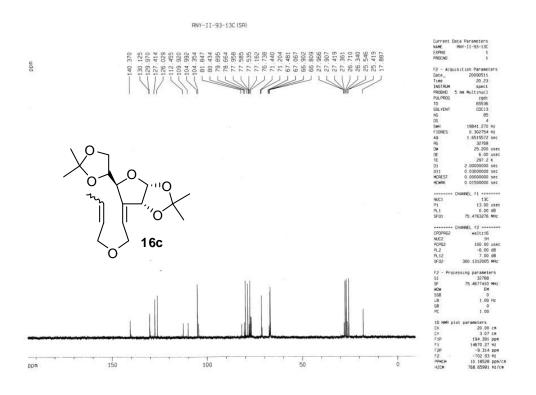
 ^{13}C NMR of 16b in CDCl $_3$ (125 MHz)

SJM-UNP-9A-13C(S)

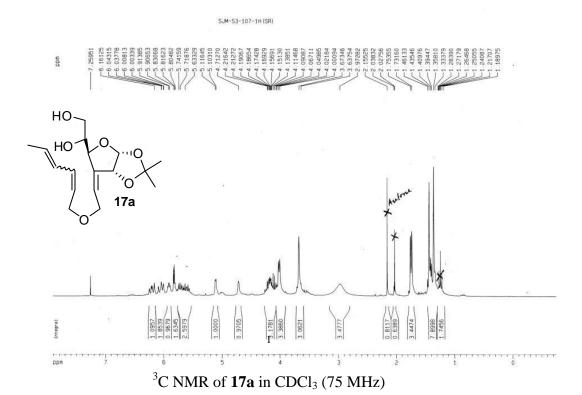


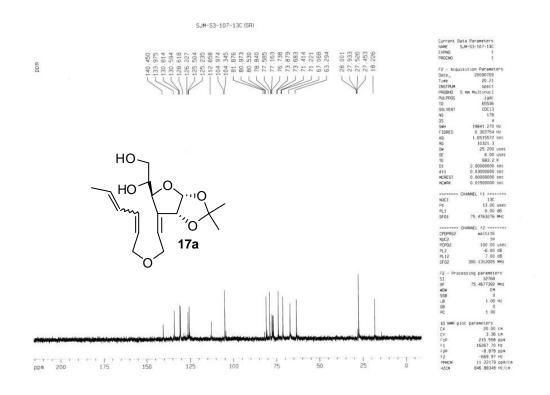
¹H NMR of **16c** in CDCl₃ (300 MHz)





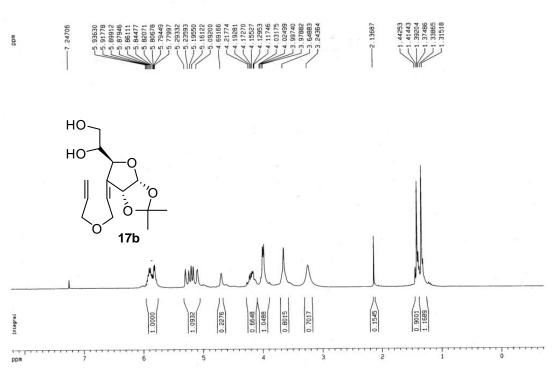
¹H NMR of **17a** in CDCl₃ (300 MHz)





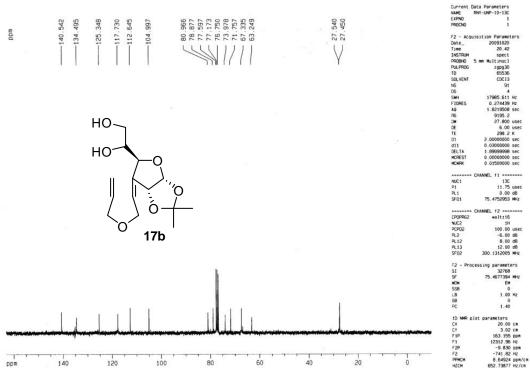
¹H NMR of **17b** in CDCl₃ (300 MHz)





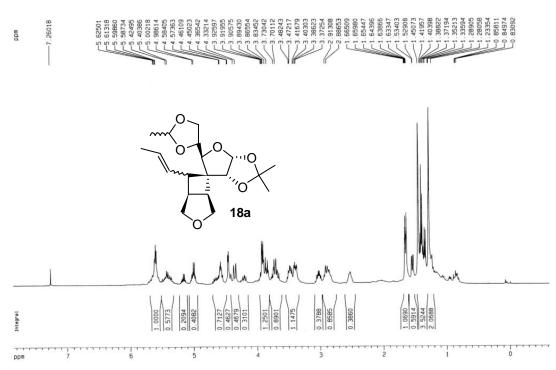
13 C NMR of 17b in CDCl $_3$ (75 MHz)



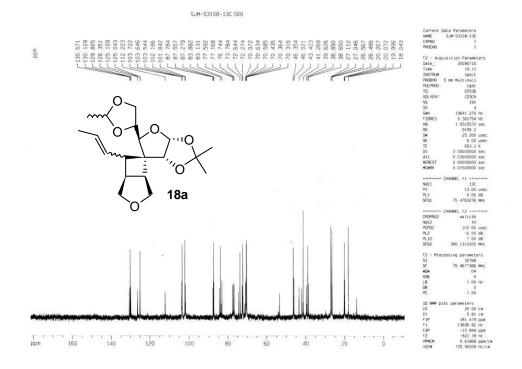


¹H NMR of **18a** in CDCl₃ (500 MHz)

SJM-S3108-1H (SR)

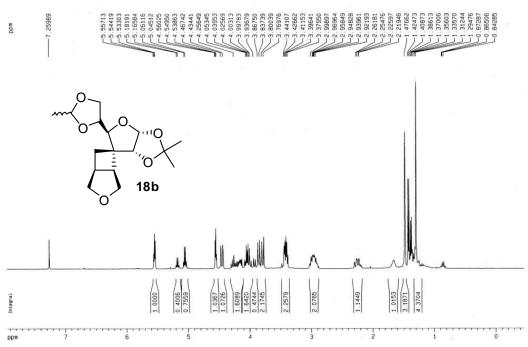


¹³C NMR of **18a** in CDCl₃ (75 MHz)

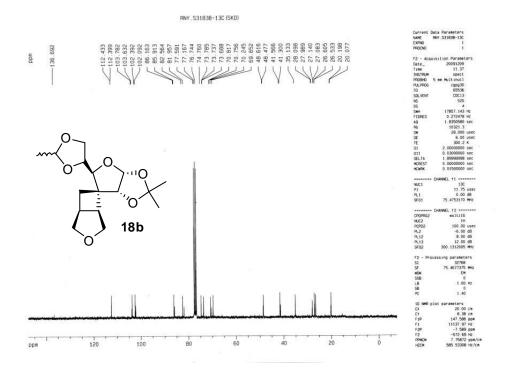


¹H NMR of **18b** in CDCl₃ (300 MHz)



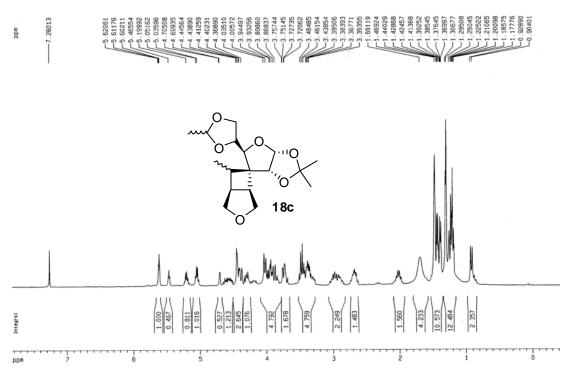


 13 C NMR of **18b** in CDCl₃ (75 MHz)

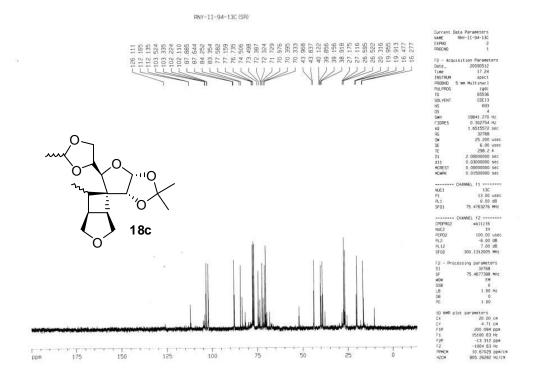


¹H NMR of **18c** in CDCl₃ (300 MHz)

SJM-II-94C-1H 2 (SR)

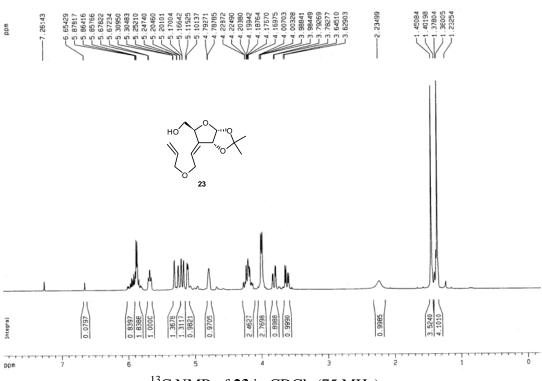


¹³C NMR of **18c** in CDCl₃ (75 MHz)

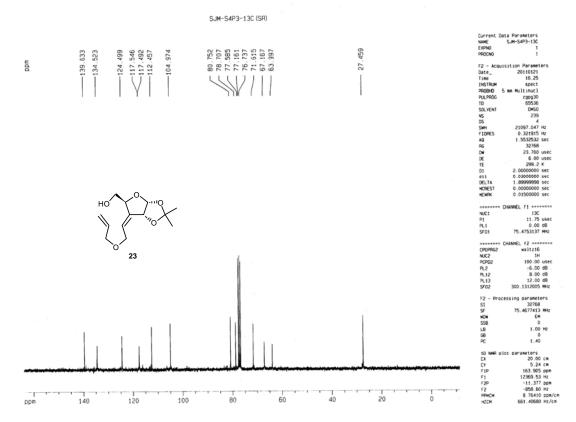


¹H NMR of **23** in CDCl₃ (300 MHz)

SJM-S4P3-1H (SR)

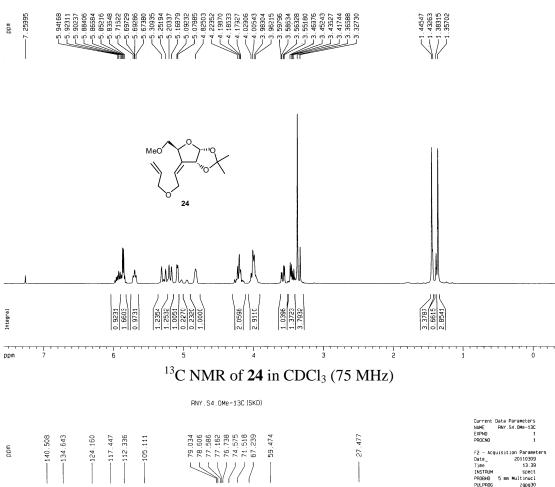


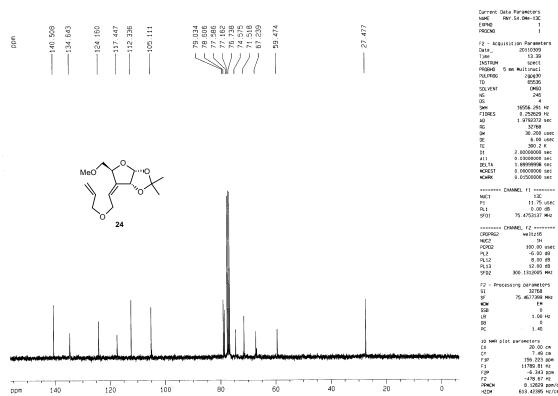
¹³C NMR of **23** in CDCl₃ (75 MHz)



¹H NMR of **24** in CDCl₃ (300 MHz)

RNY . S4 . OMe-1H (SKD)

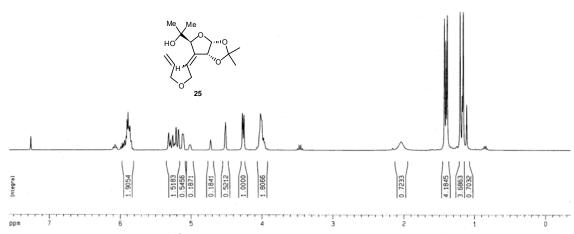




¹H NMR of **25** in CDCl₃ (300 MHz)

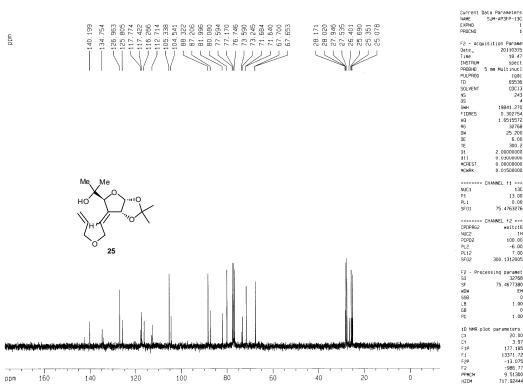
SJM-S4AP3F-1H (SR)





13 C NMR of **25** in CDCl₃ (75 MHz)

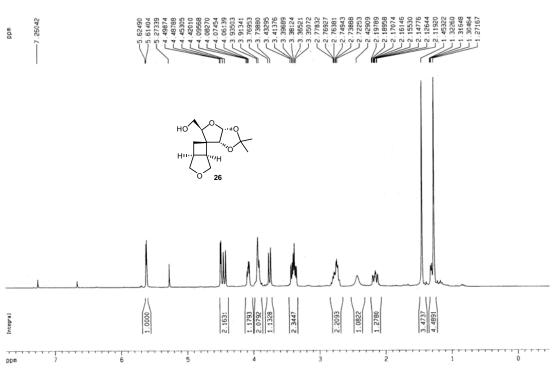
SJM-AP3FP-13C (SR)





¹H NMR of **26** in CDCl₃ (300 MHz)





¹³C NMR of **26** in CDCl₃ (75 MHz)

SJM-S4P3P-13C (SR)

