

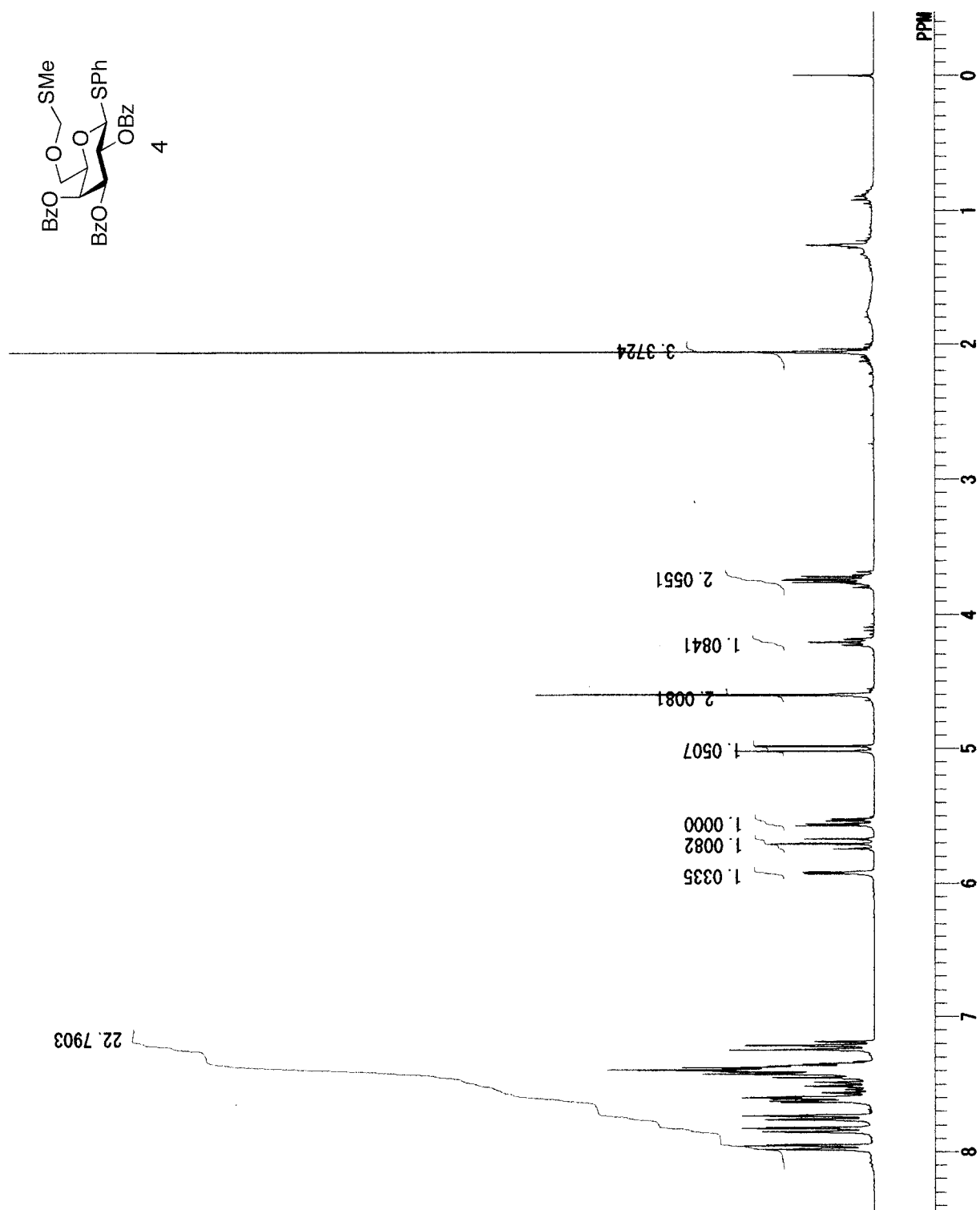
Synthesis of bisubstrate analogues targeting α -1,3-fucosyltransferase and their activities

Masayuki Izumi,* Syunsuke Kaneko, Hideya Yuasa, and Hironobu Hashimoto

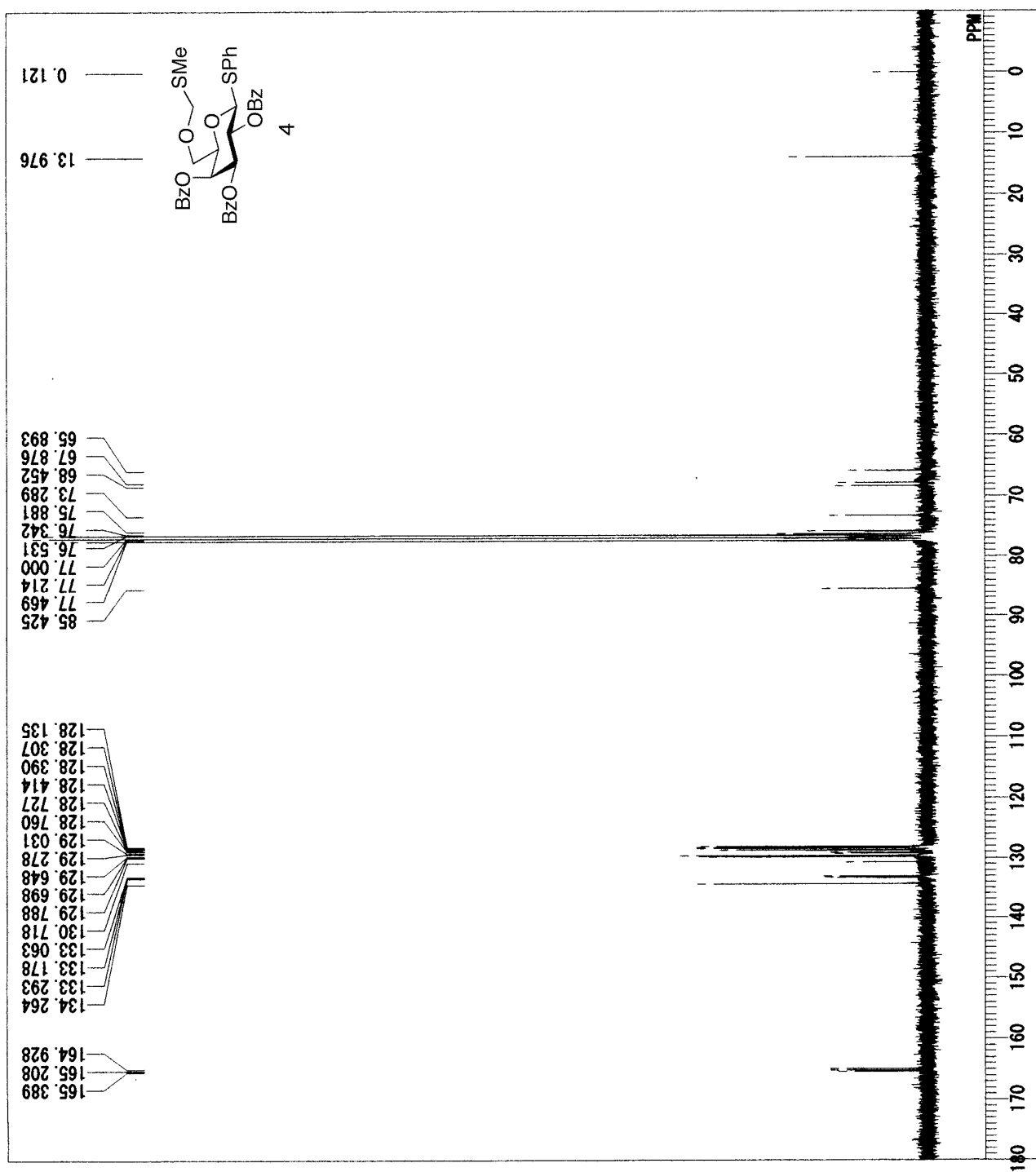
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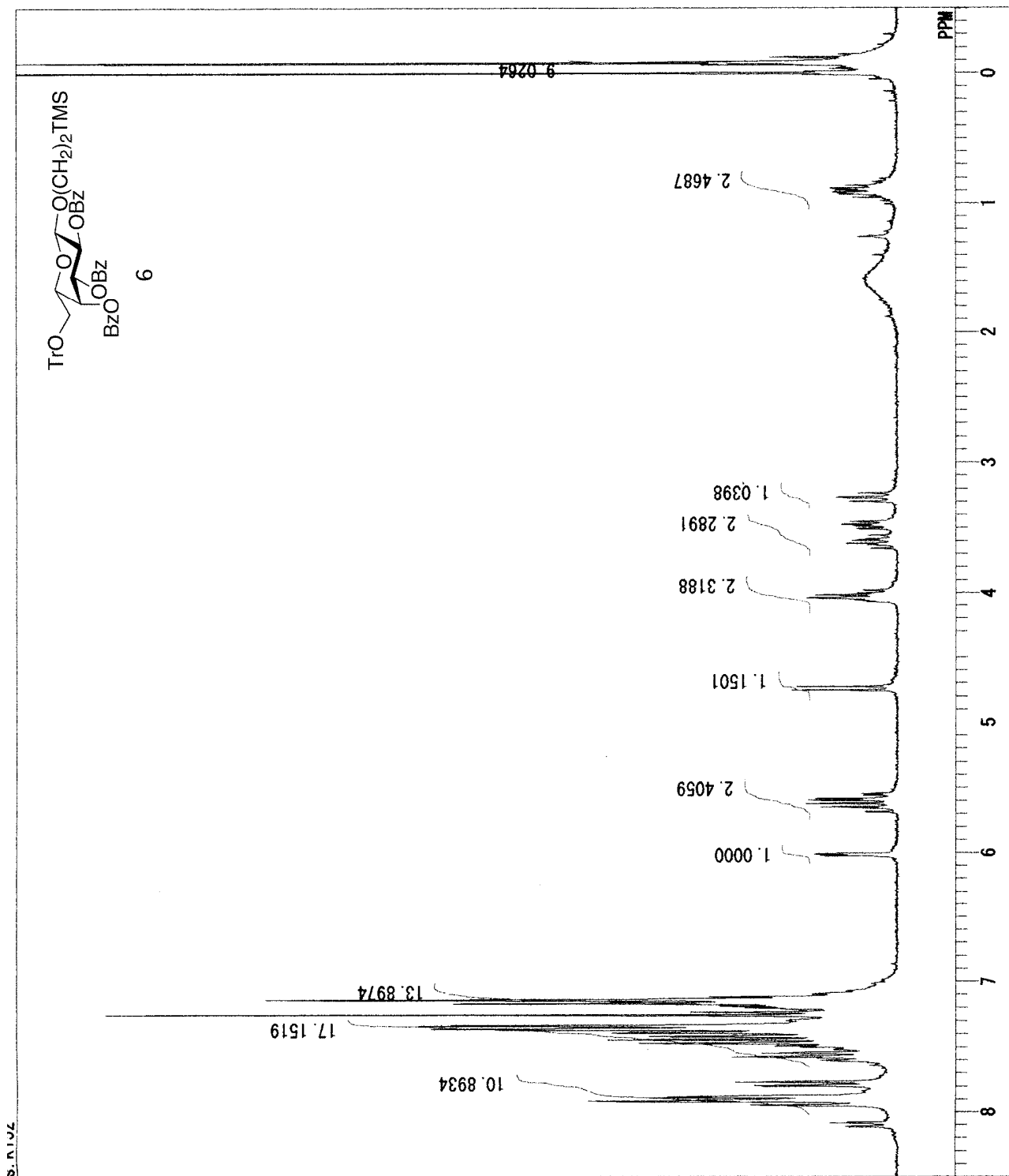
270 MHz ^1H NMR spectrum of **4**



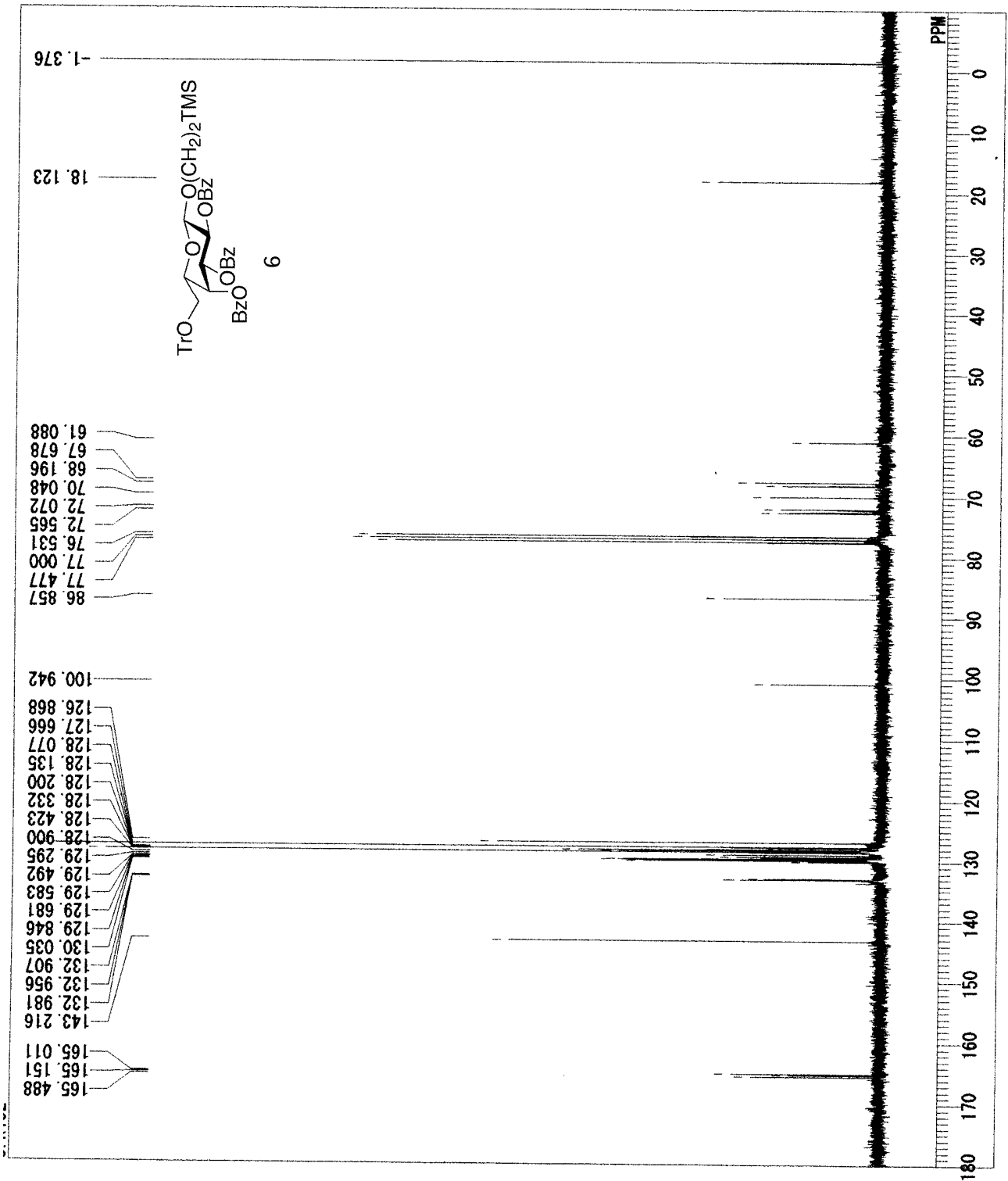
67.8 MHz ^{13}C NMR spectrum of **4**



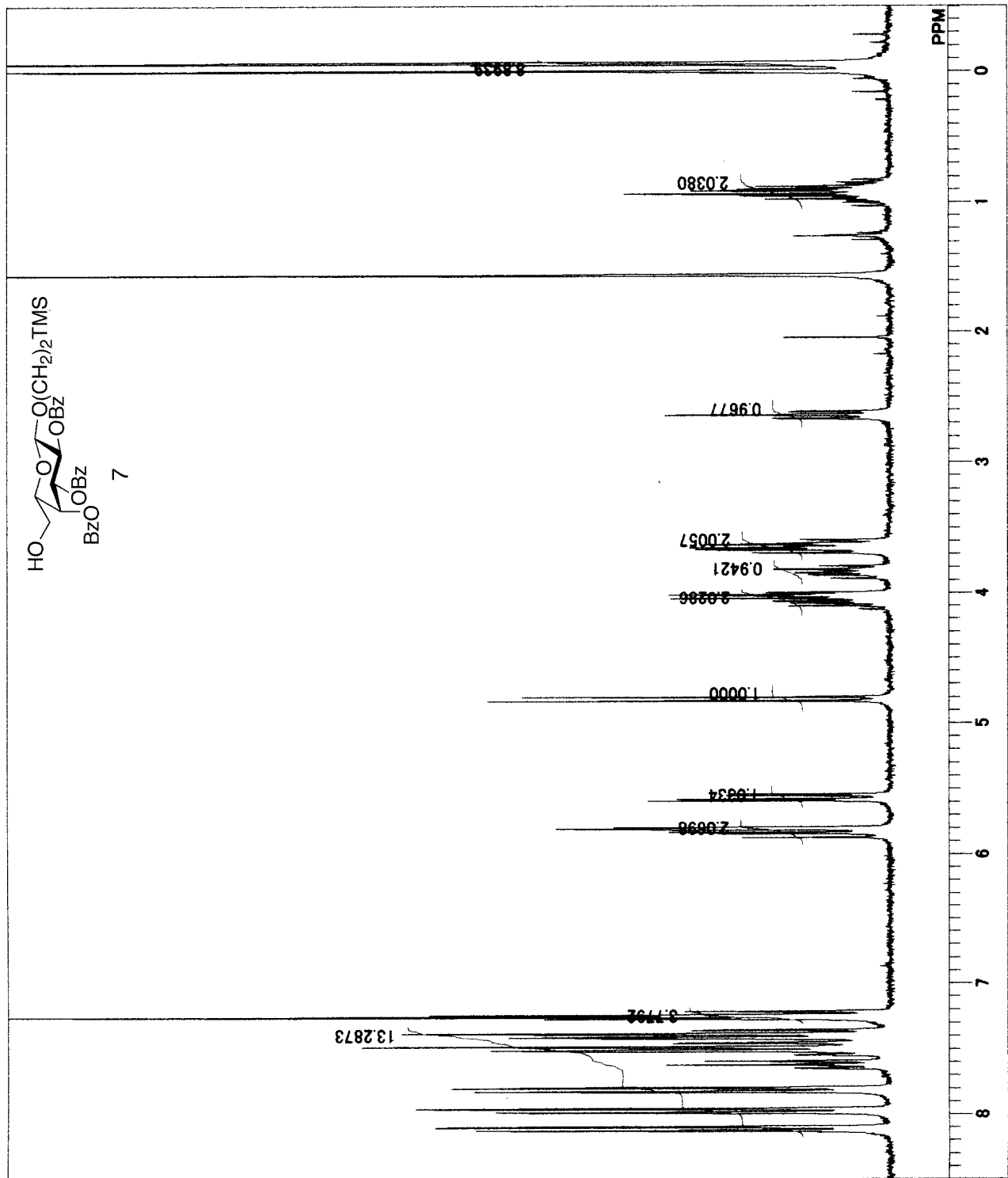
270 MHz ¹H NMR spectrum of **6**



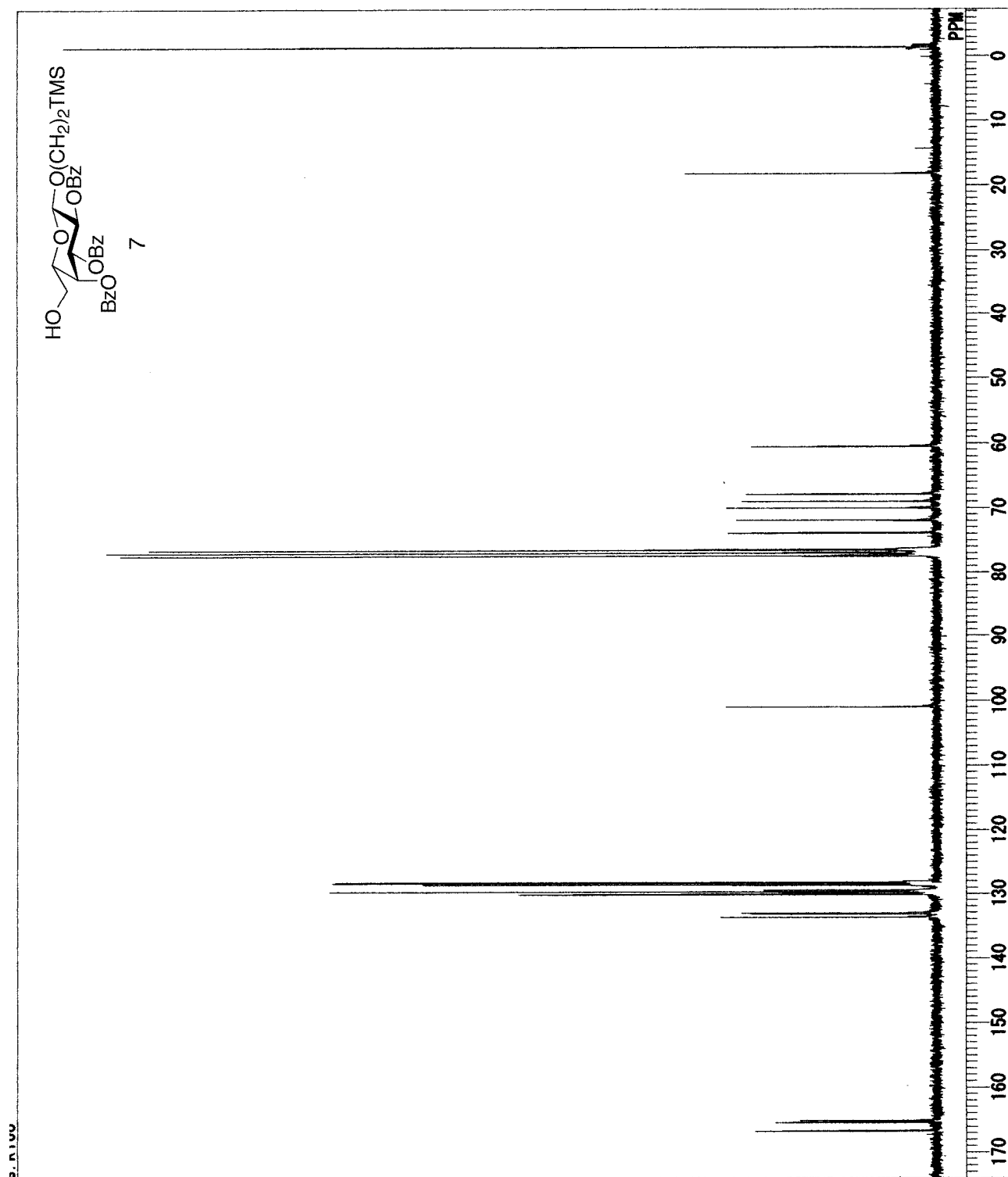
67.8 MHz ^{13}C NMR spectrum of **6**



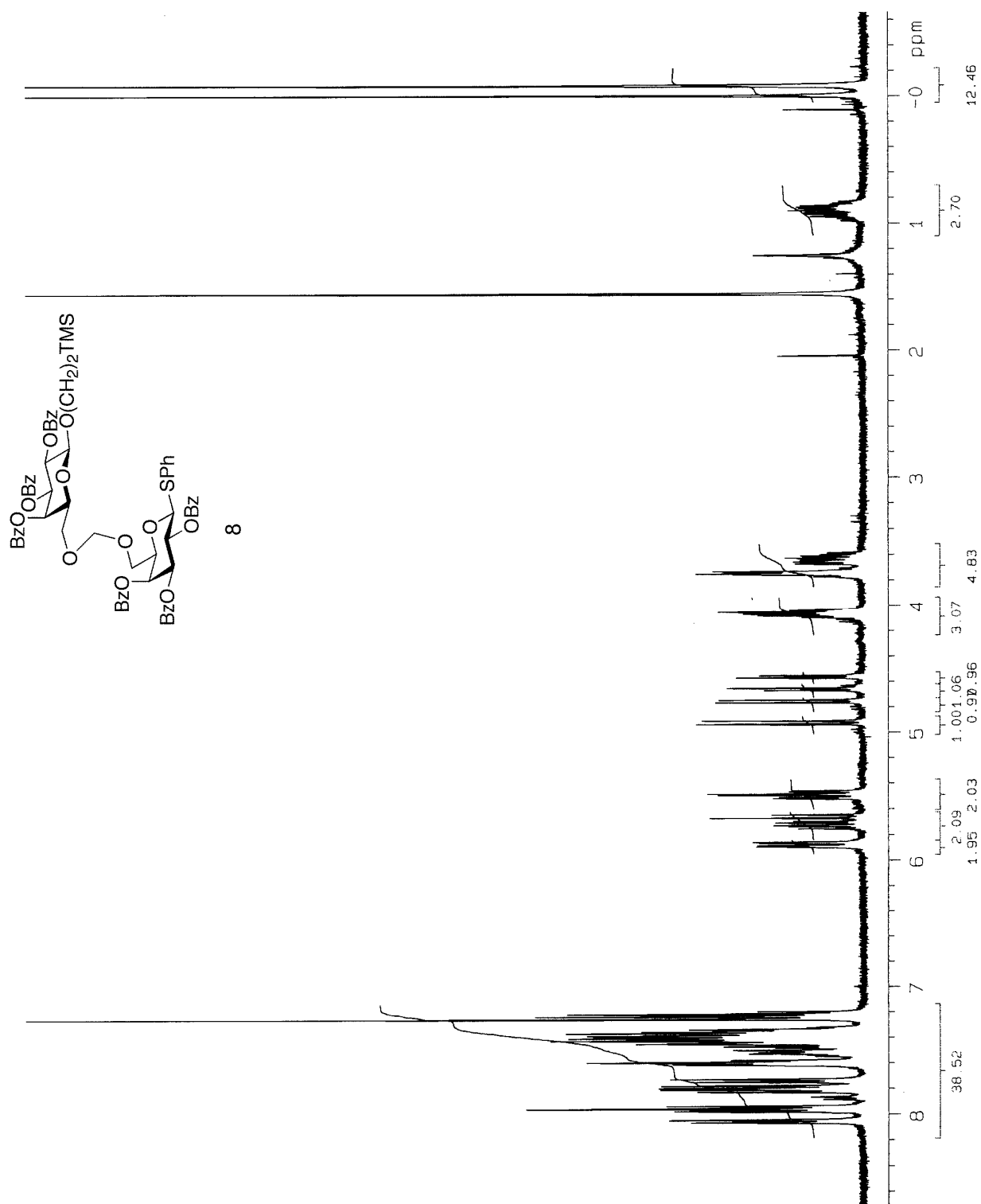
270 MHz ^1H NMR spectrum of 7



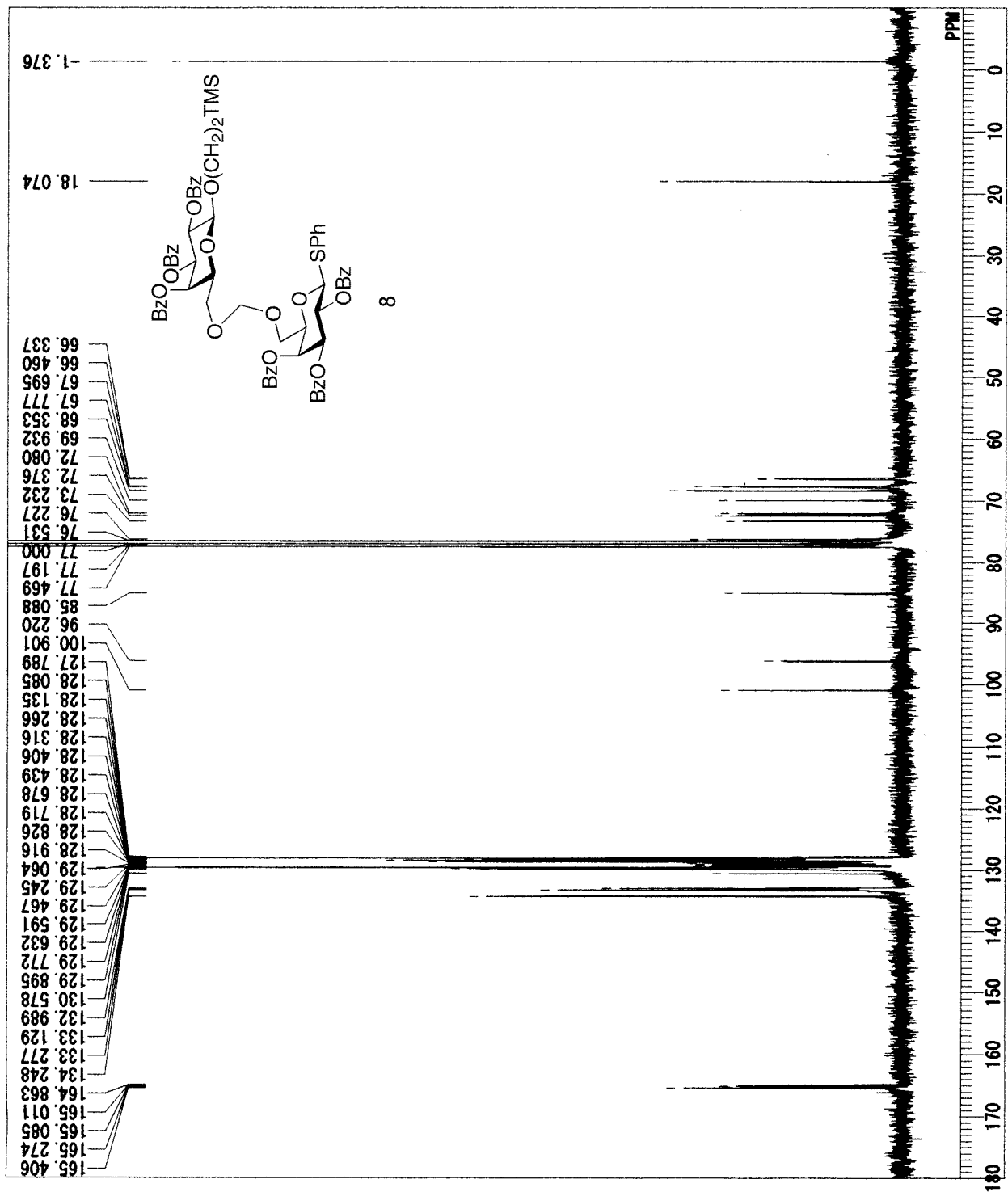
67.8 MHz ^{13}C NMR spectrum of **7**



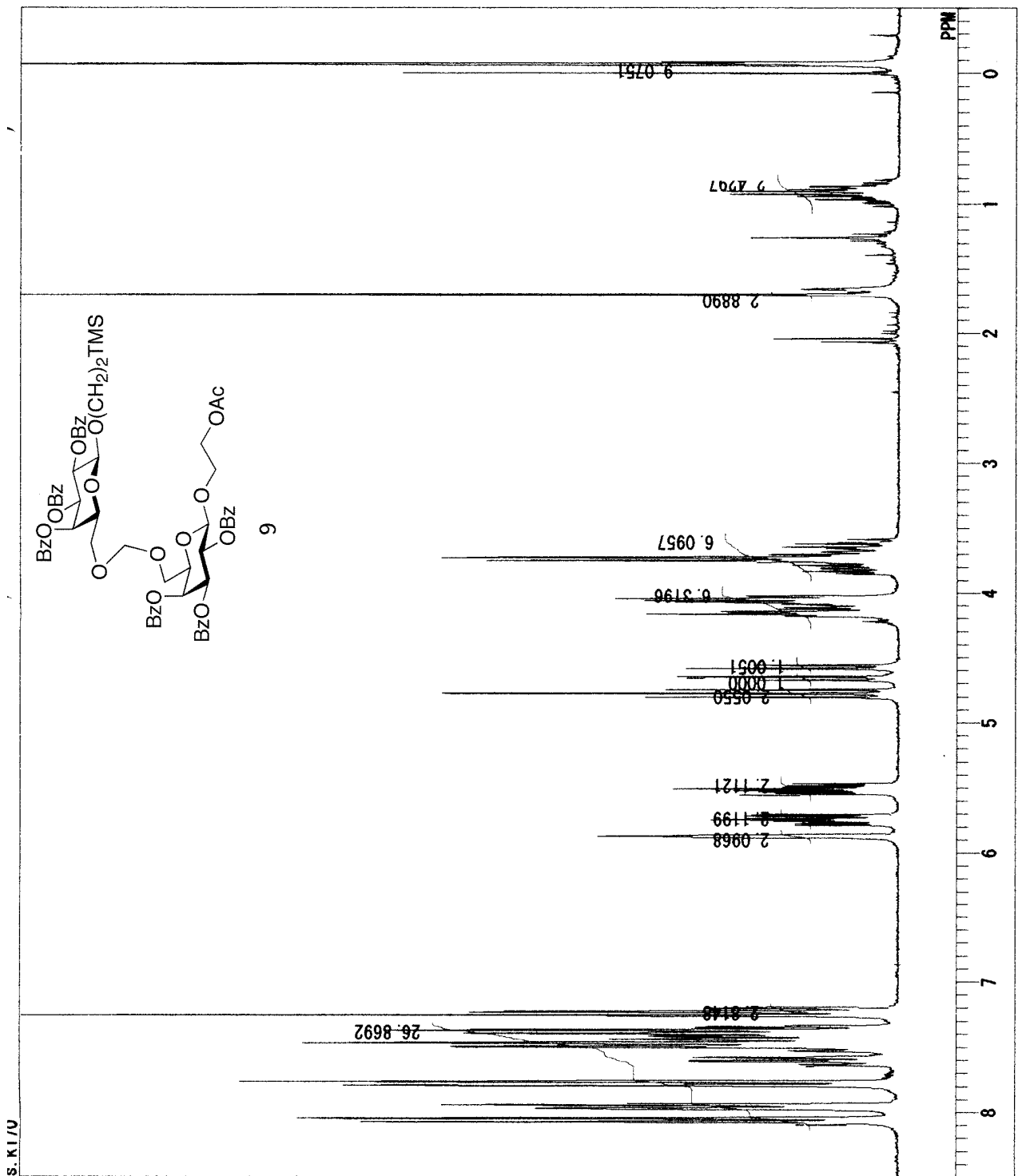
400 MHz ^1H NMR spectrum of **8**



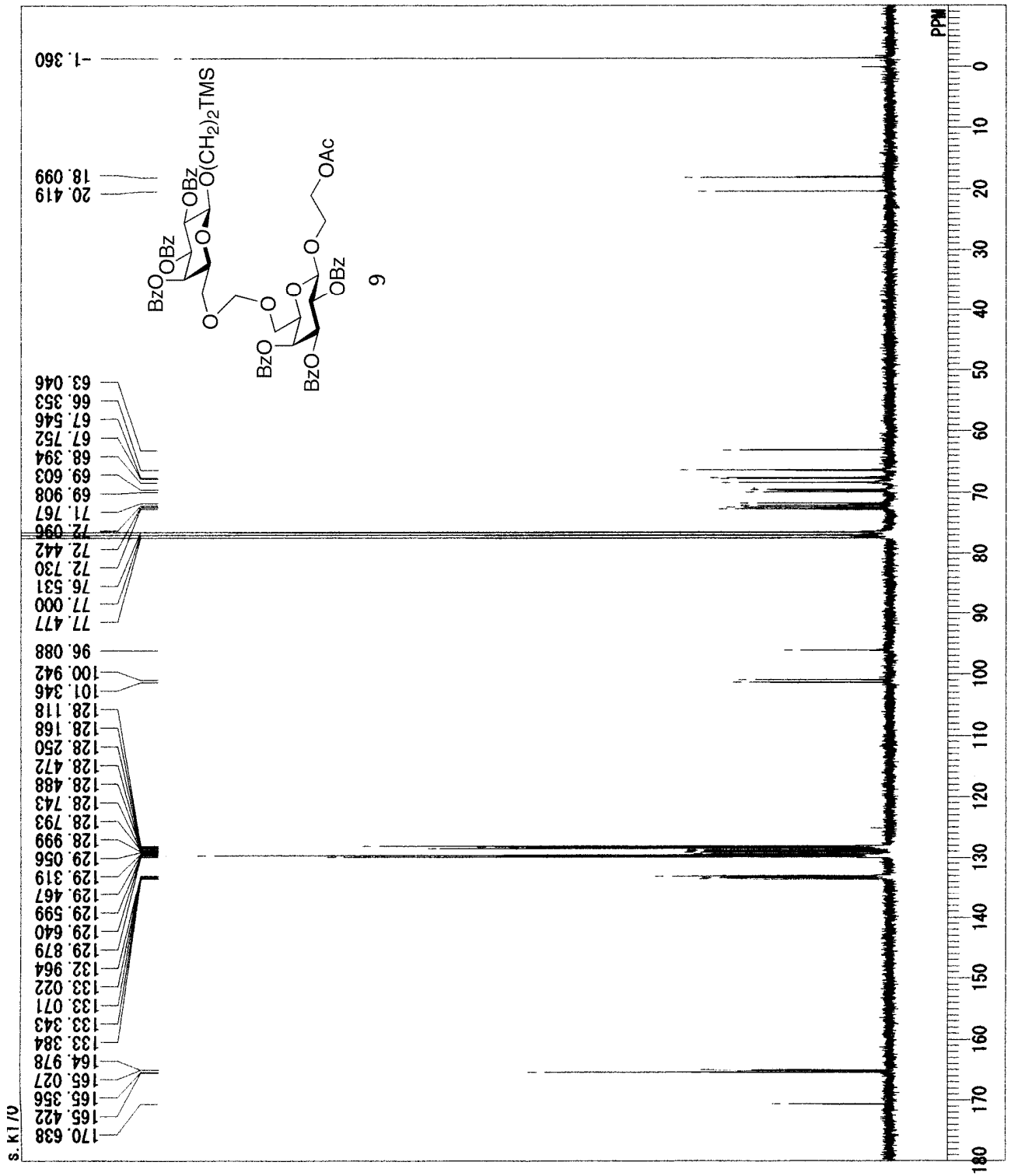
67.8 MHz ^{13}C NMR spectrum of **8**



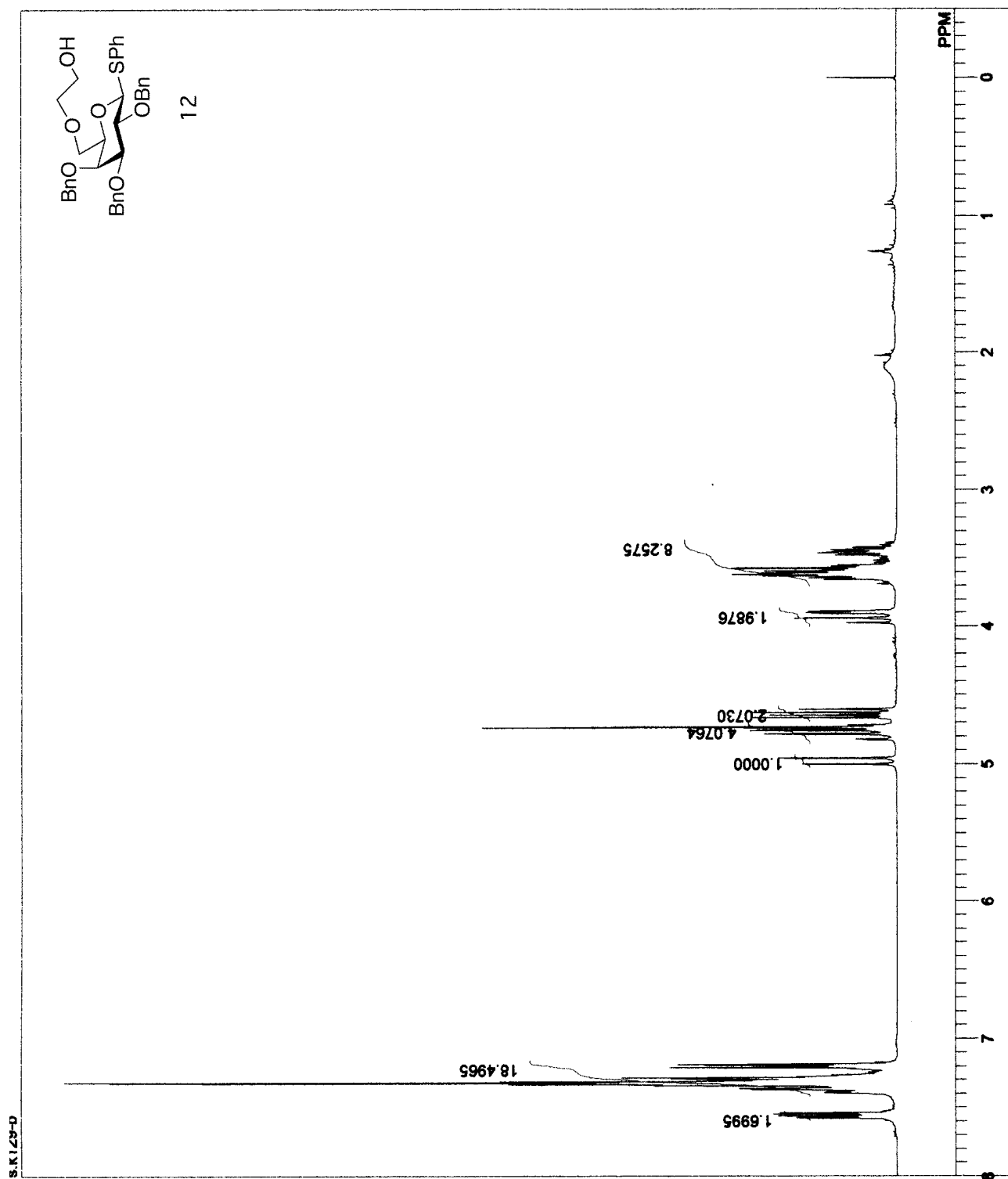
270 MHz ¹H NMR spectrum of **9**



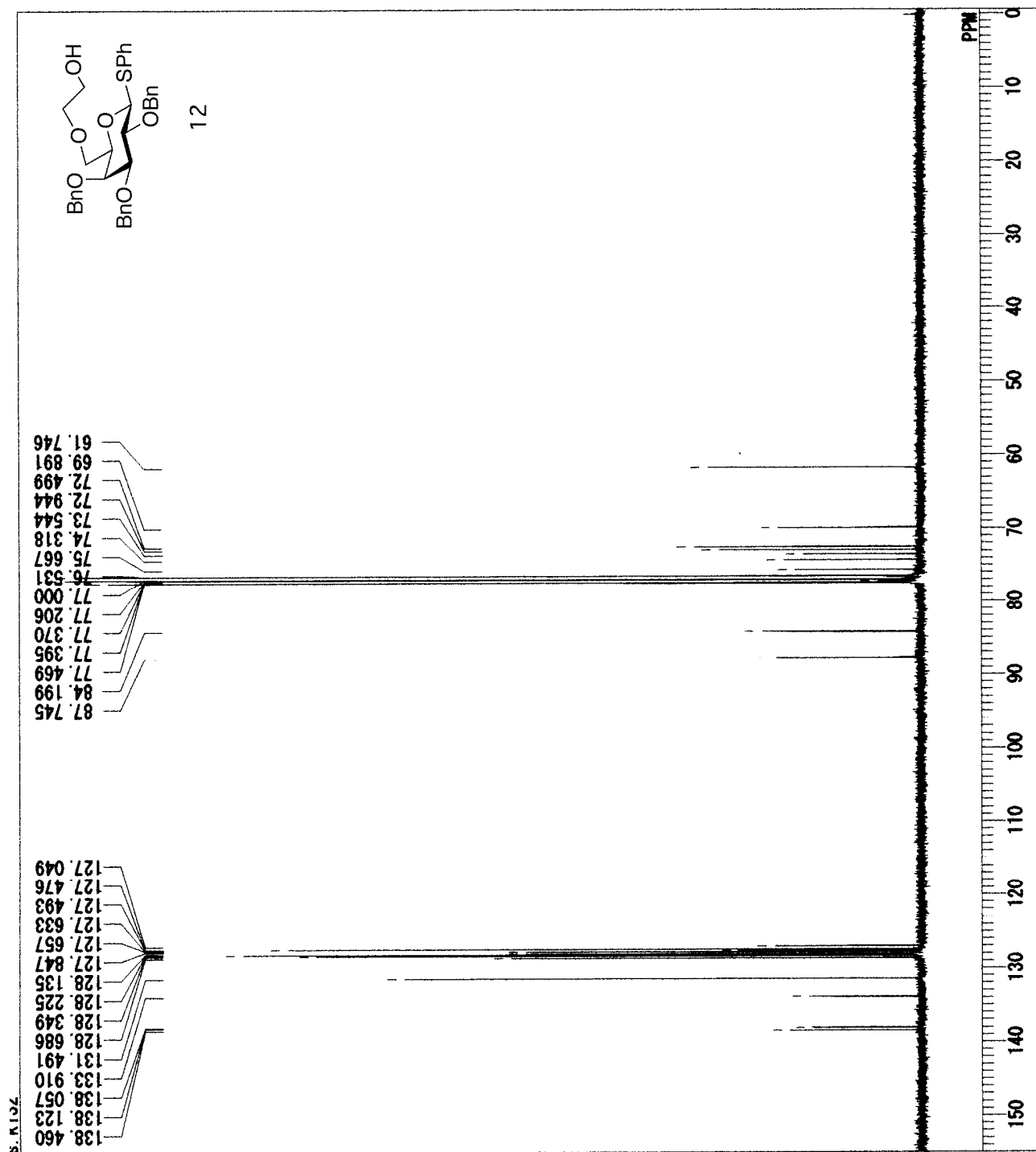
67.8 MHz ^{13}C NMR spectrum of **9**



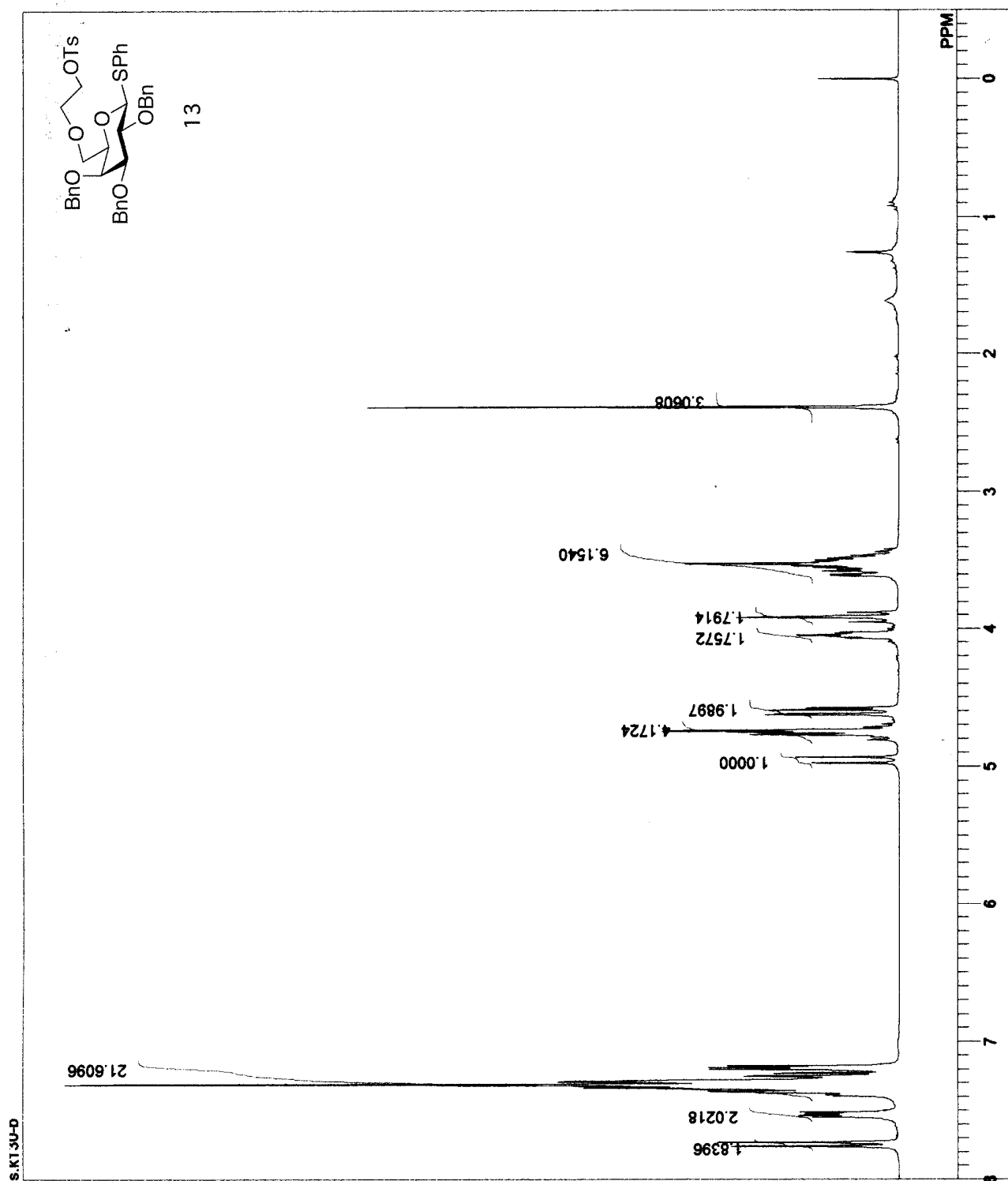
270 MHz ¹H NMR spectrum of **12**



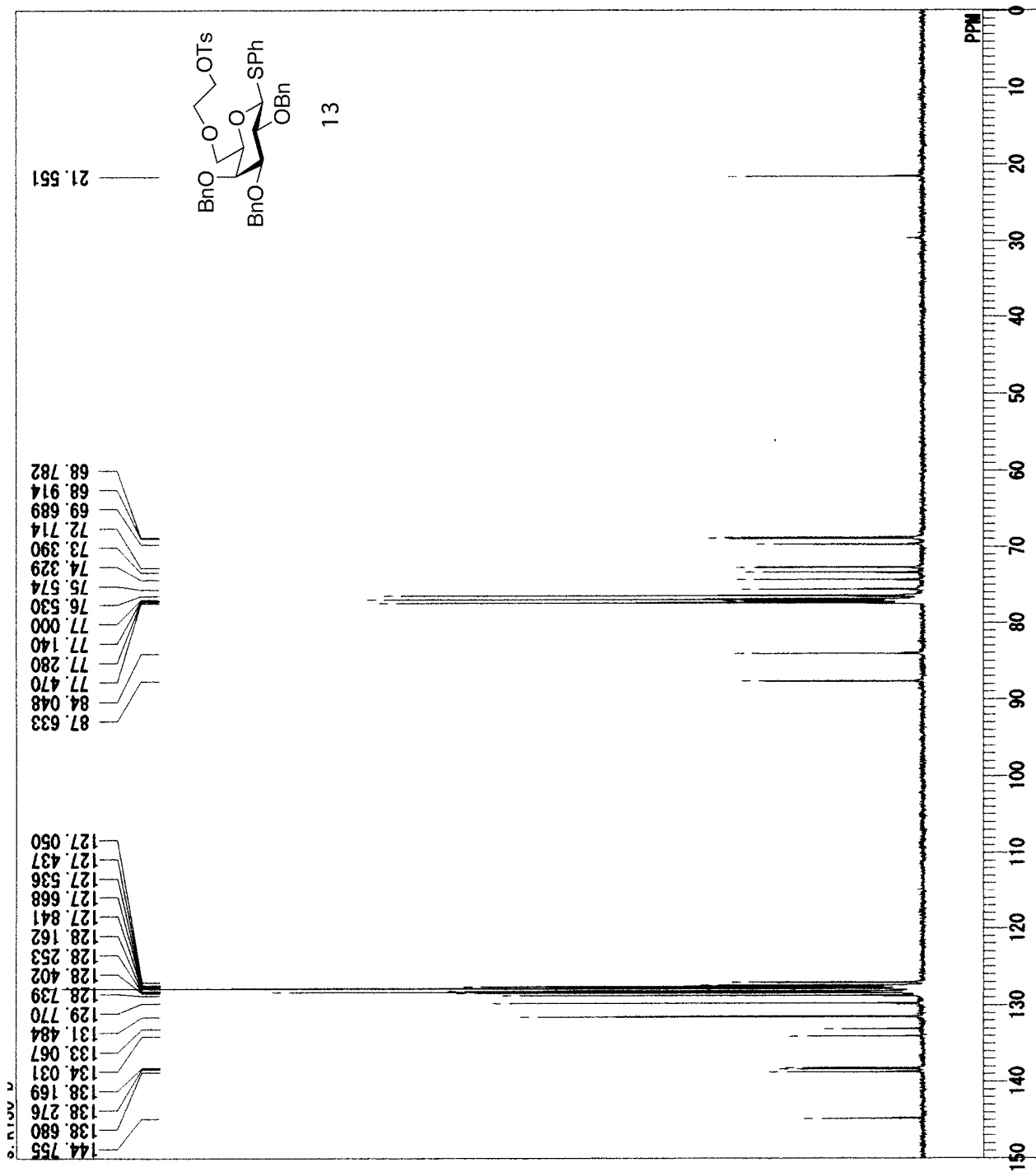
67.8 MHz ^{13}C NMR spectrum of **12**



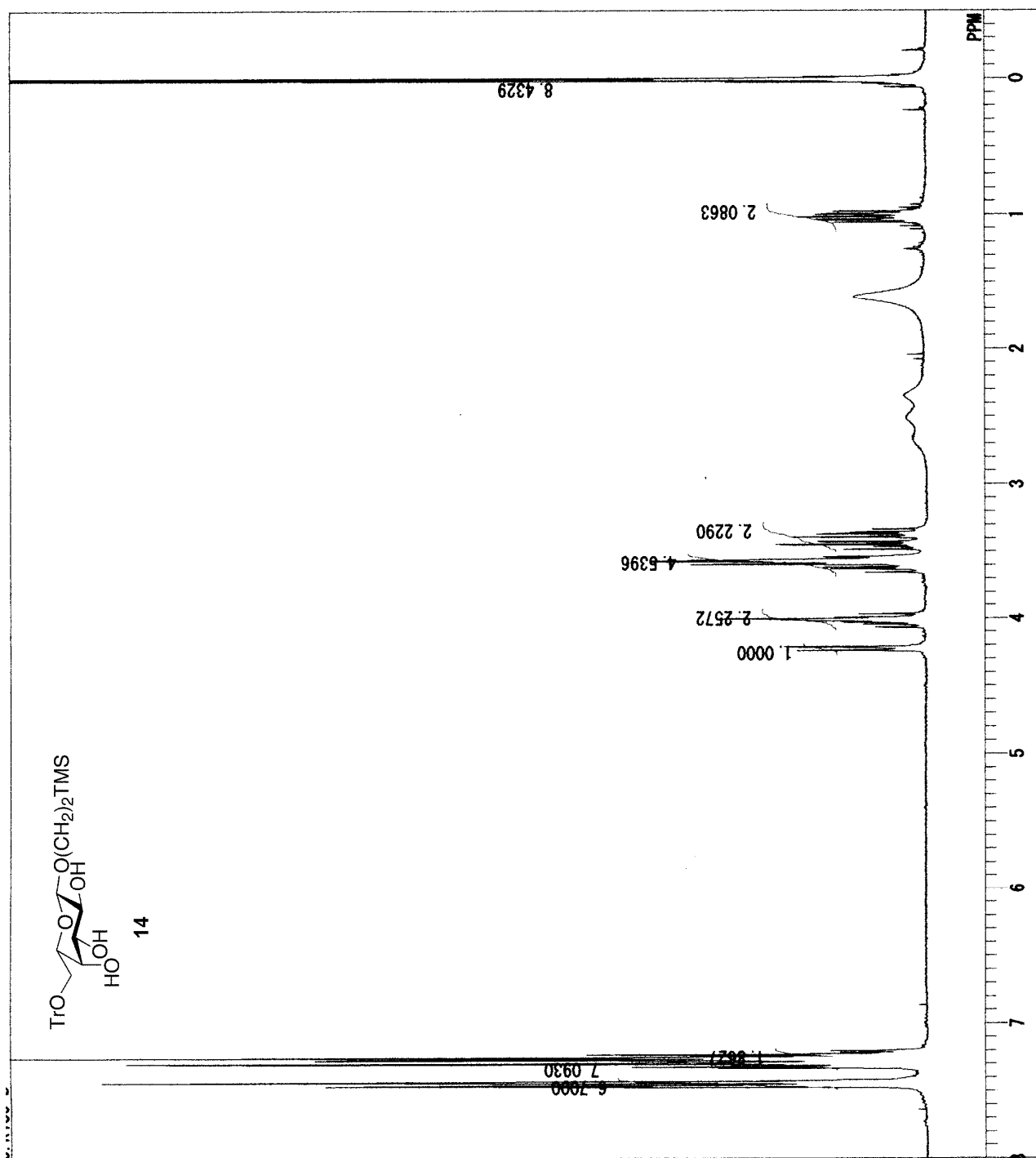
270 MHz ^1H NMR spectrum of **13**



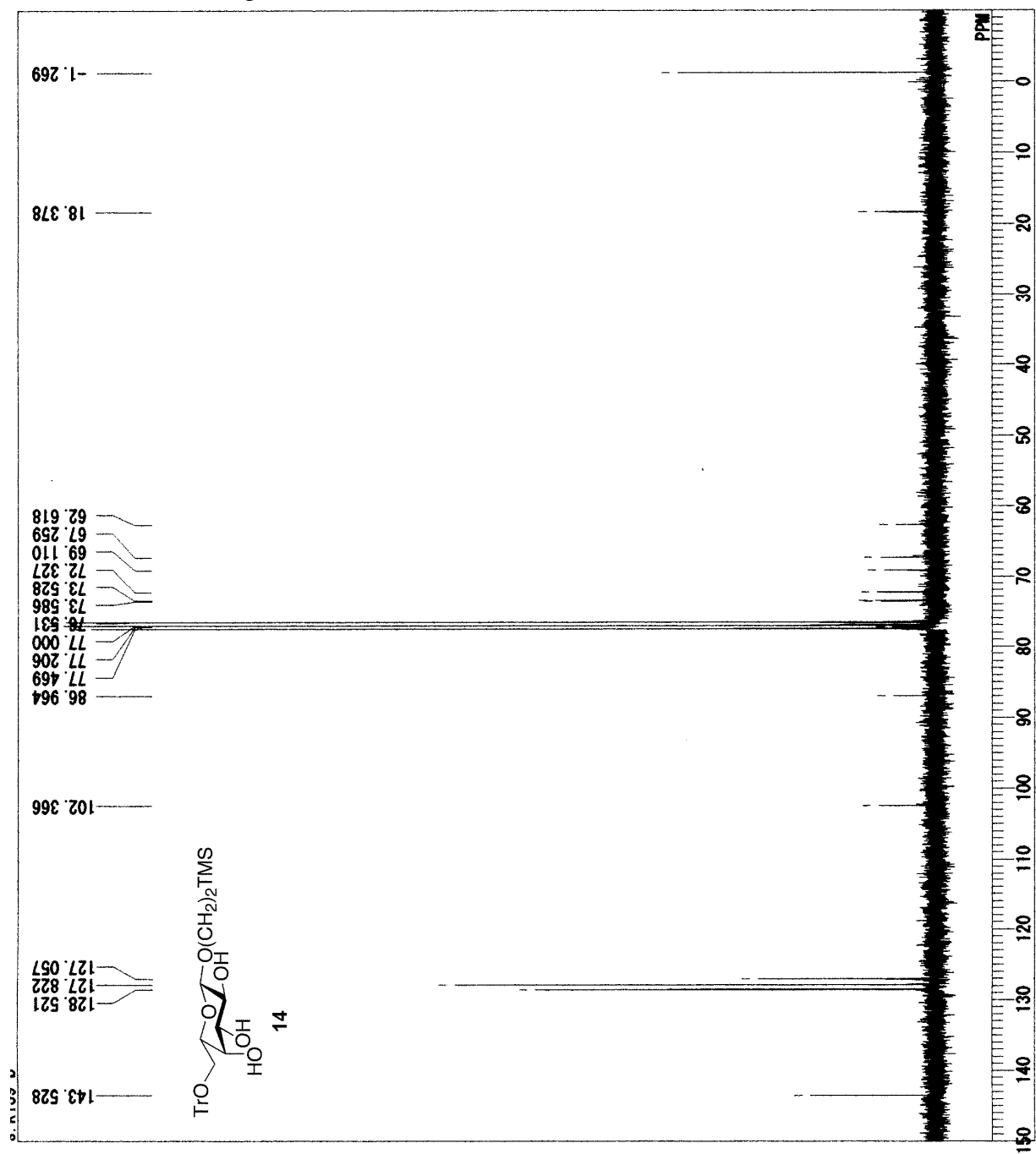
67.8 MHz ^{13}C NMR spectrum of **13**



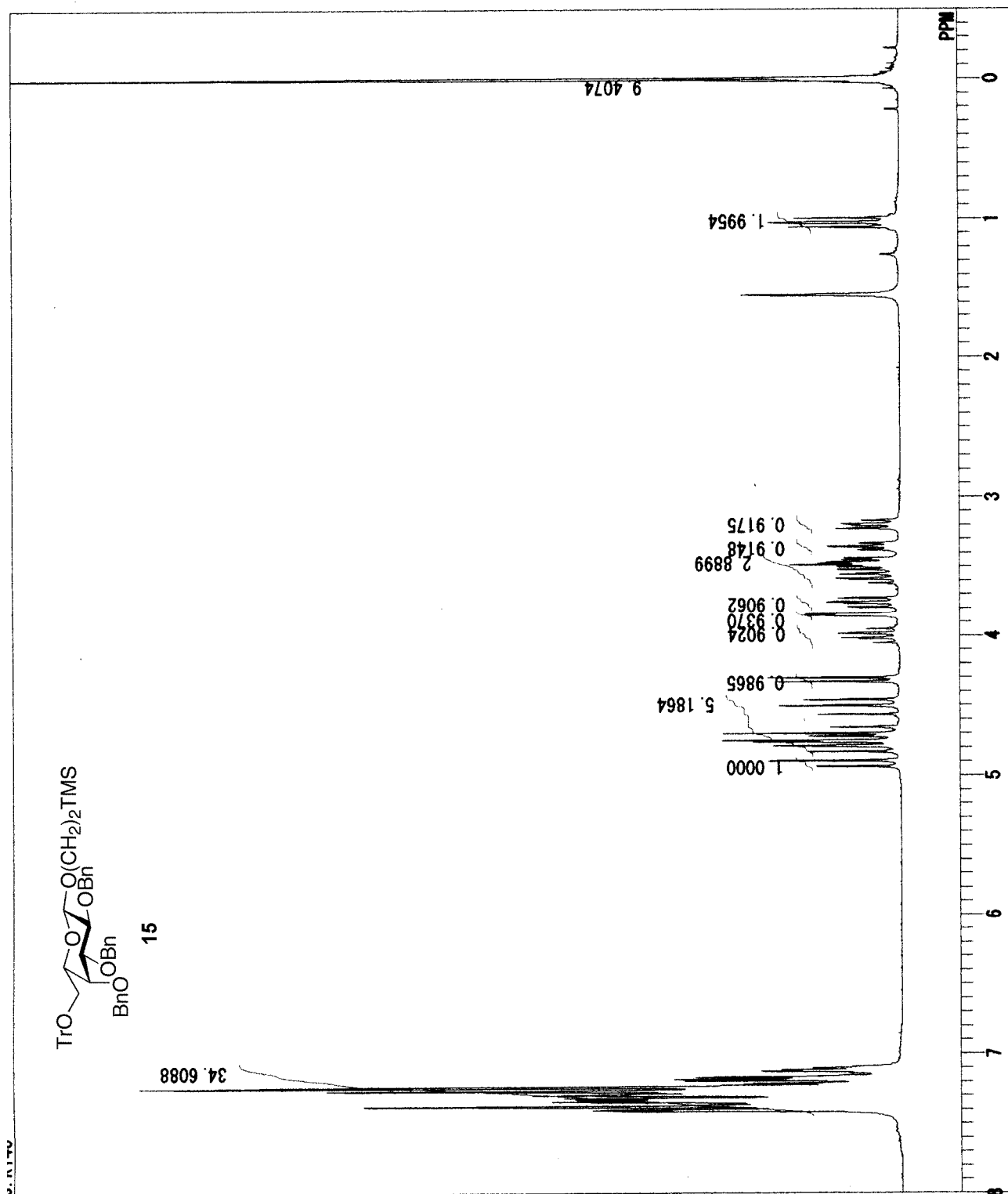
270 MHz ^1H NMR spectrum of **14**



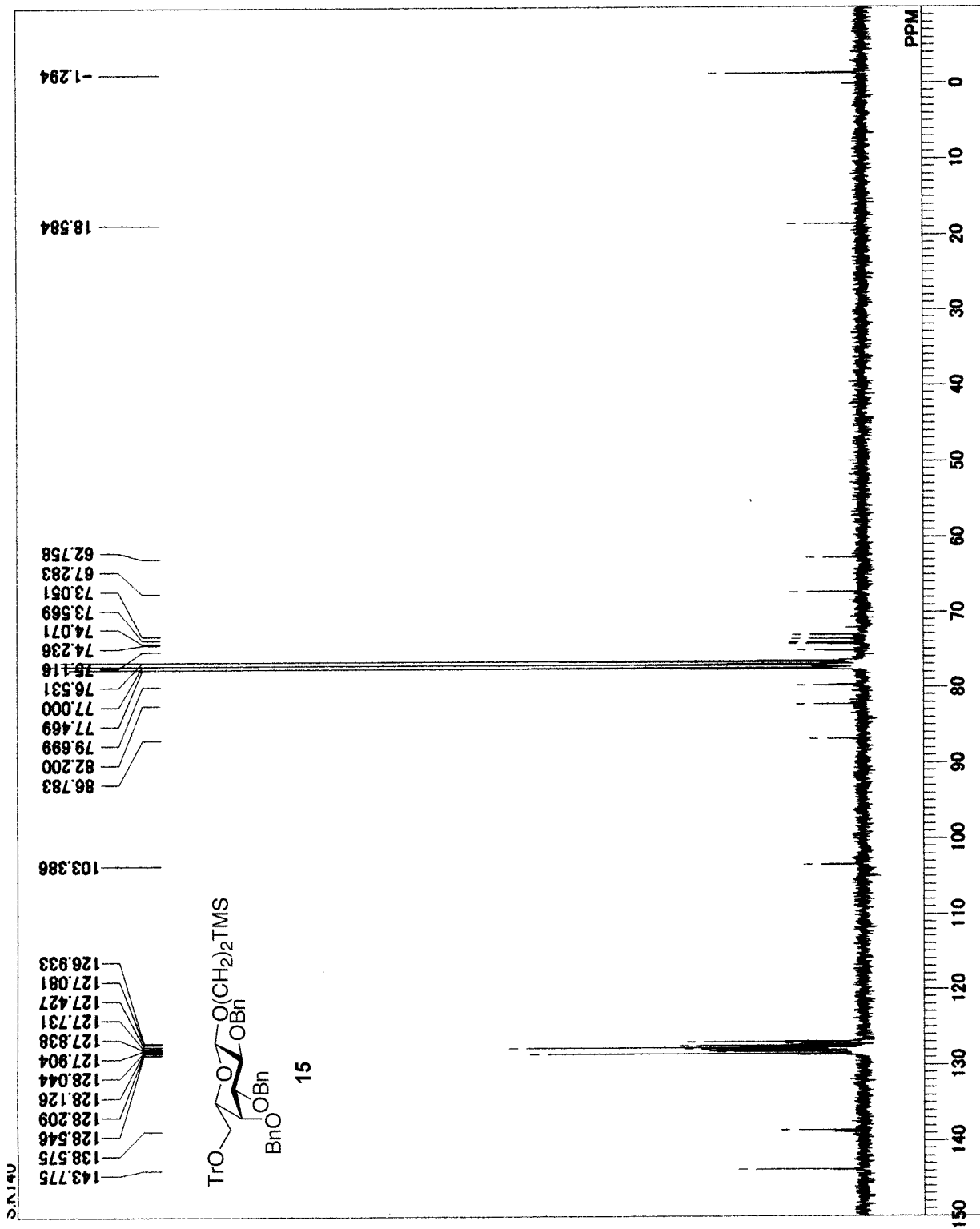
67.8 MHz ^{13}C NMR spectrum of **14**



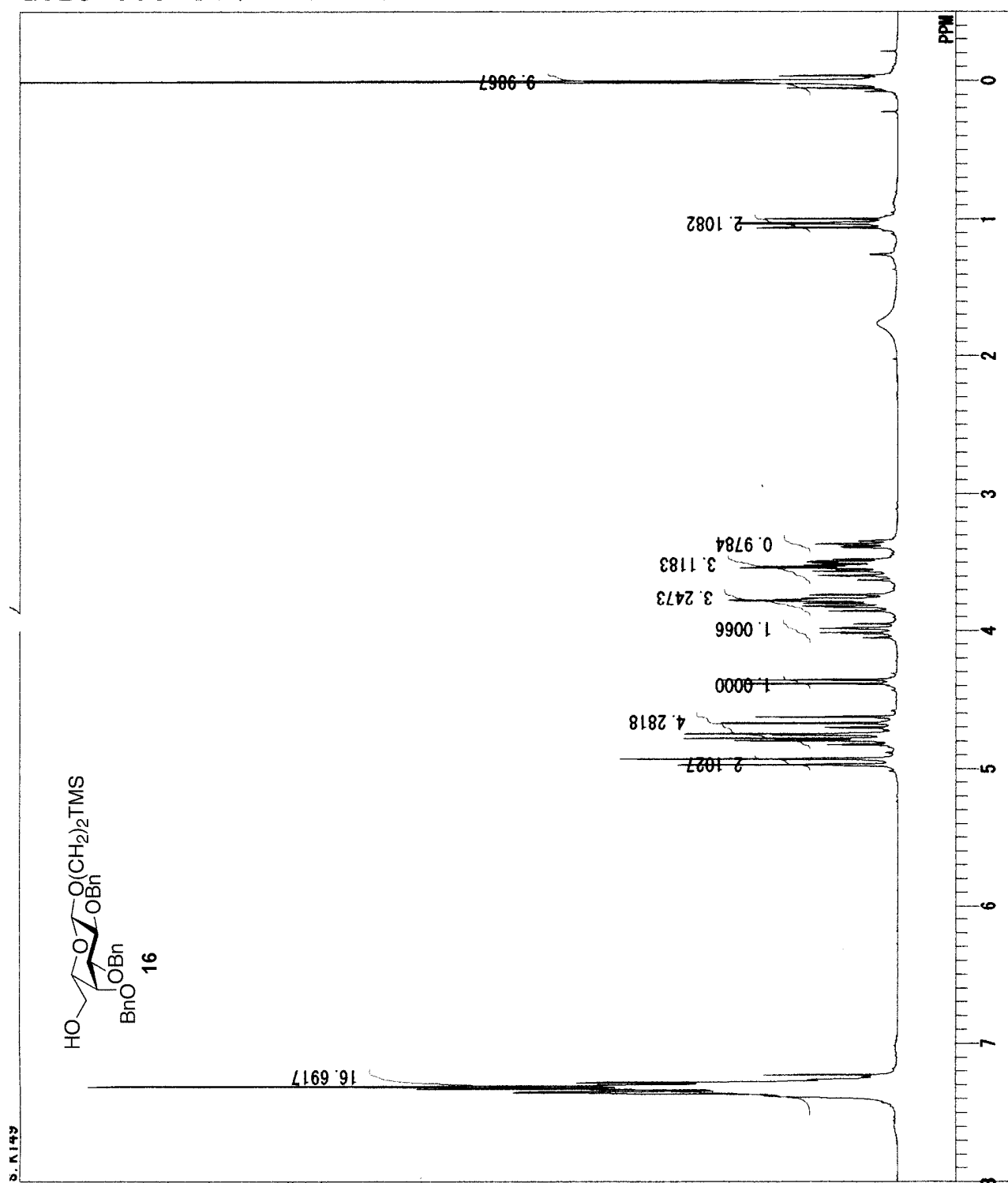
270 MHz ^1H NMR spectrum of **15**



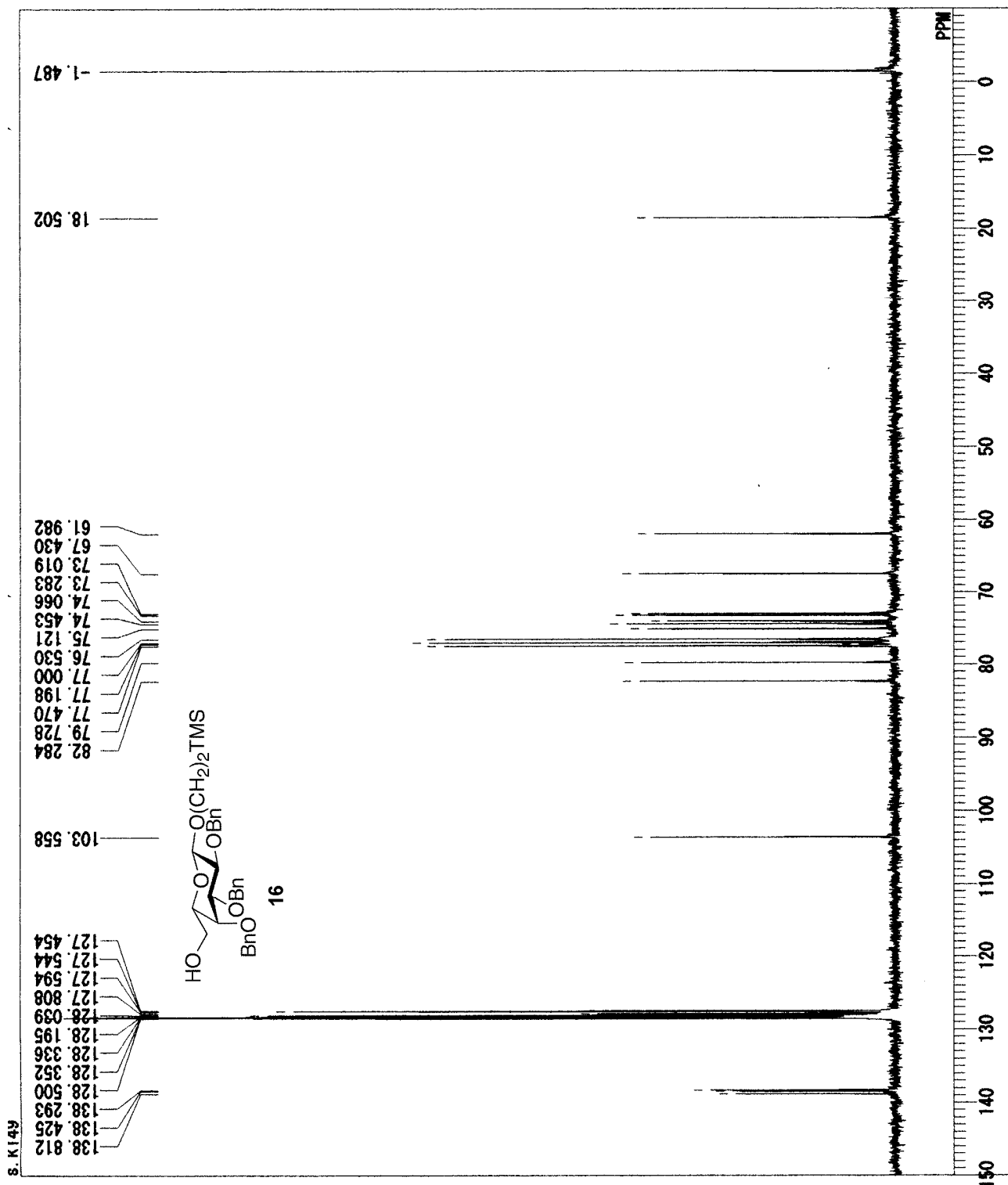
67.8 MHz ^{13}C NMR spectrum of **15**



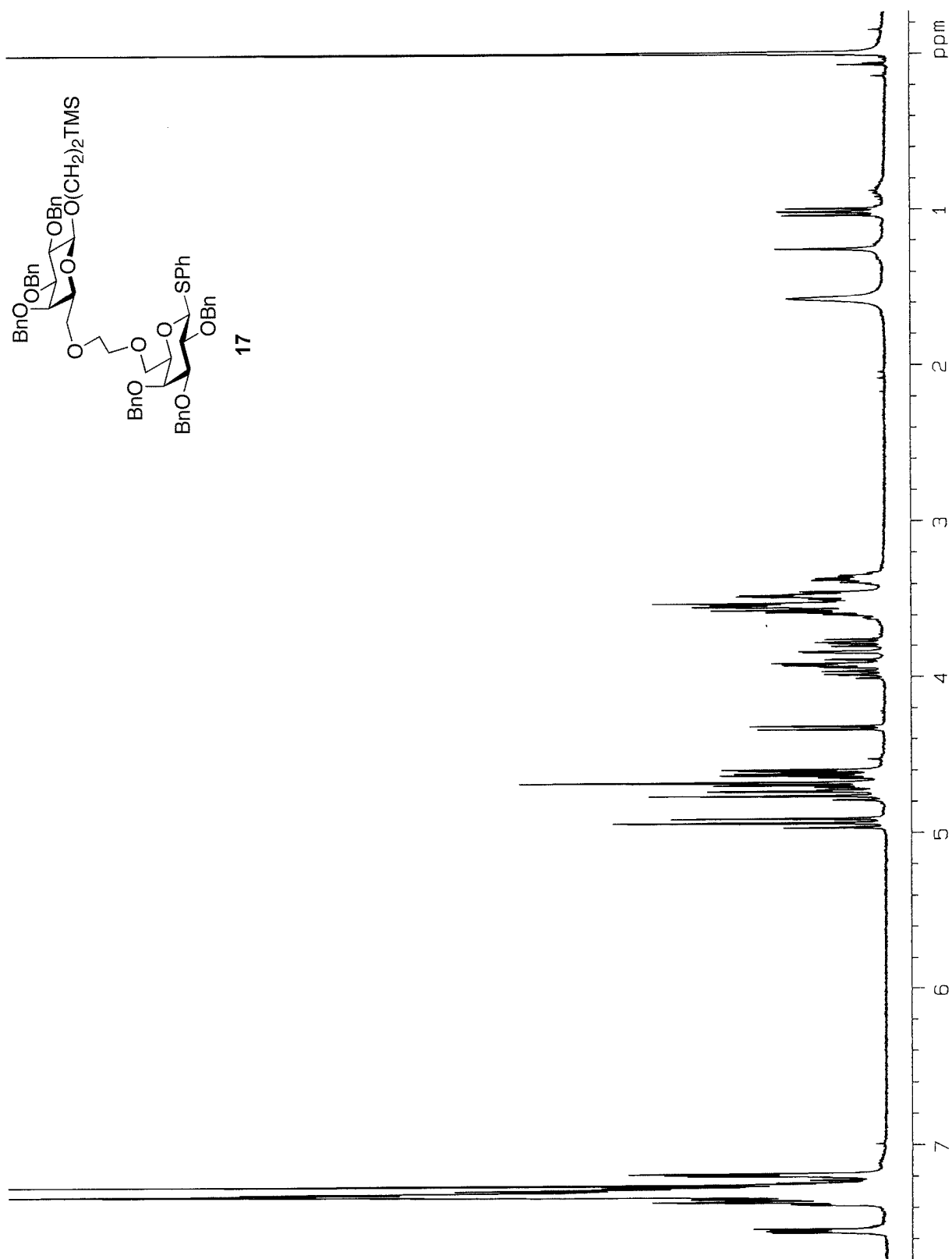
270 MHz ^1H NMR spectrum of **16**



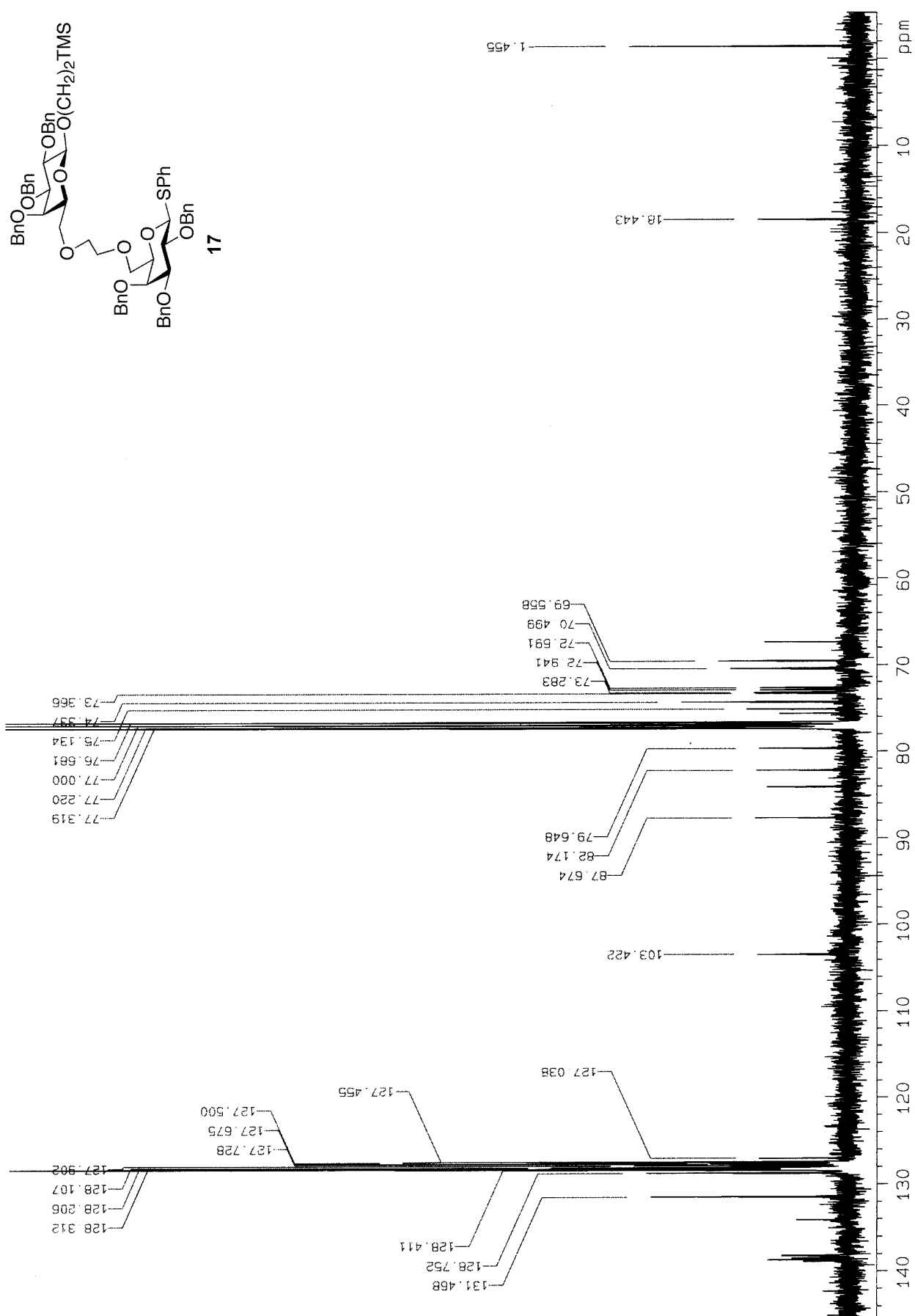
67.8 MHz ^{13}C NMR spectrum of **16**



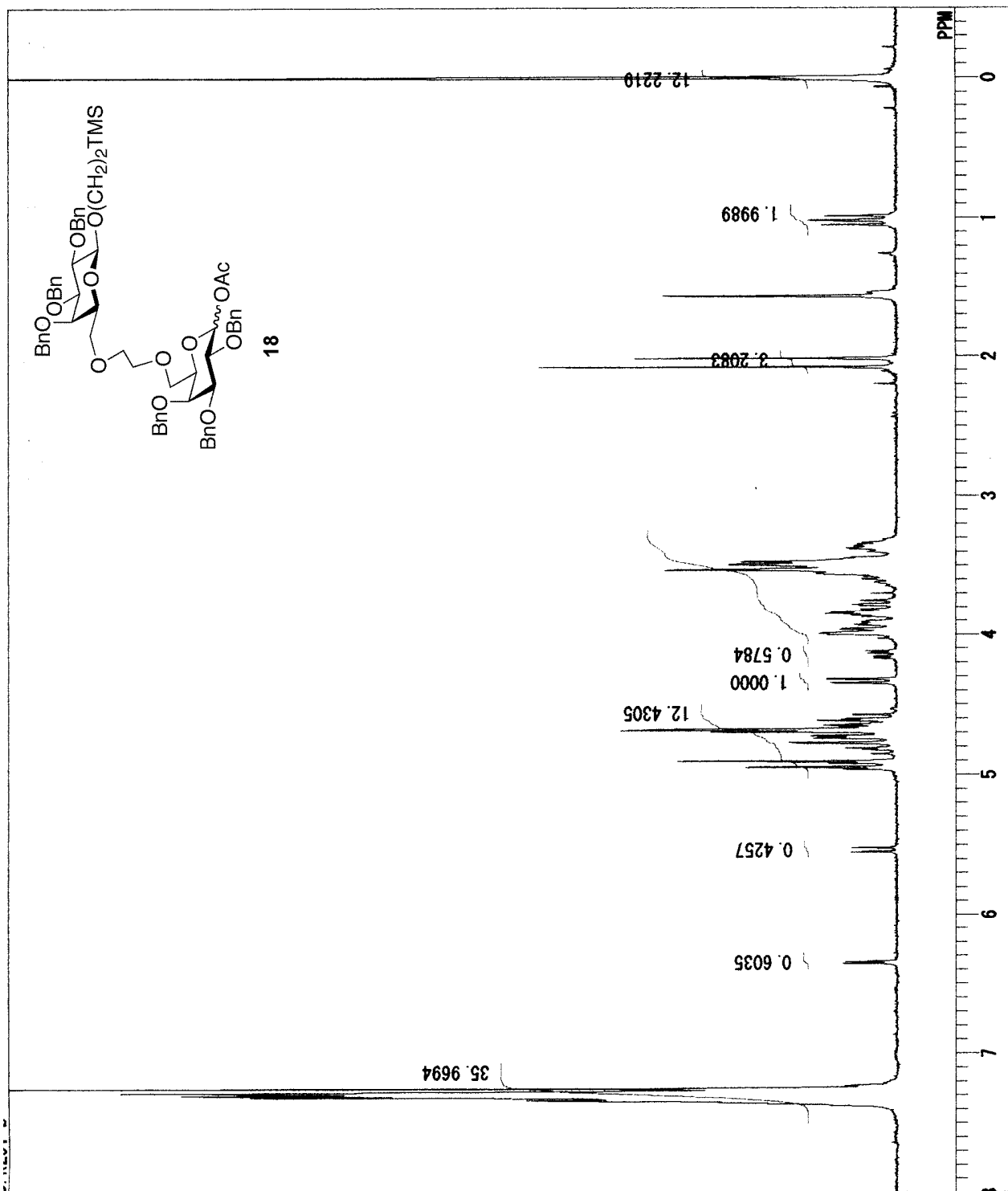
400 MHz ^1H NMR spectrum of **17**



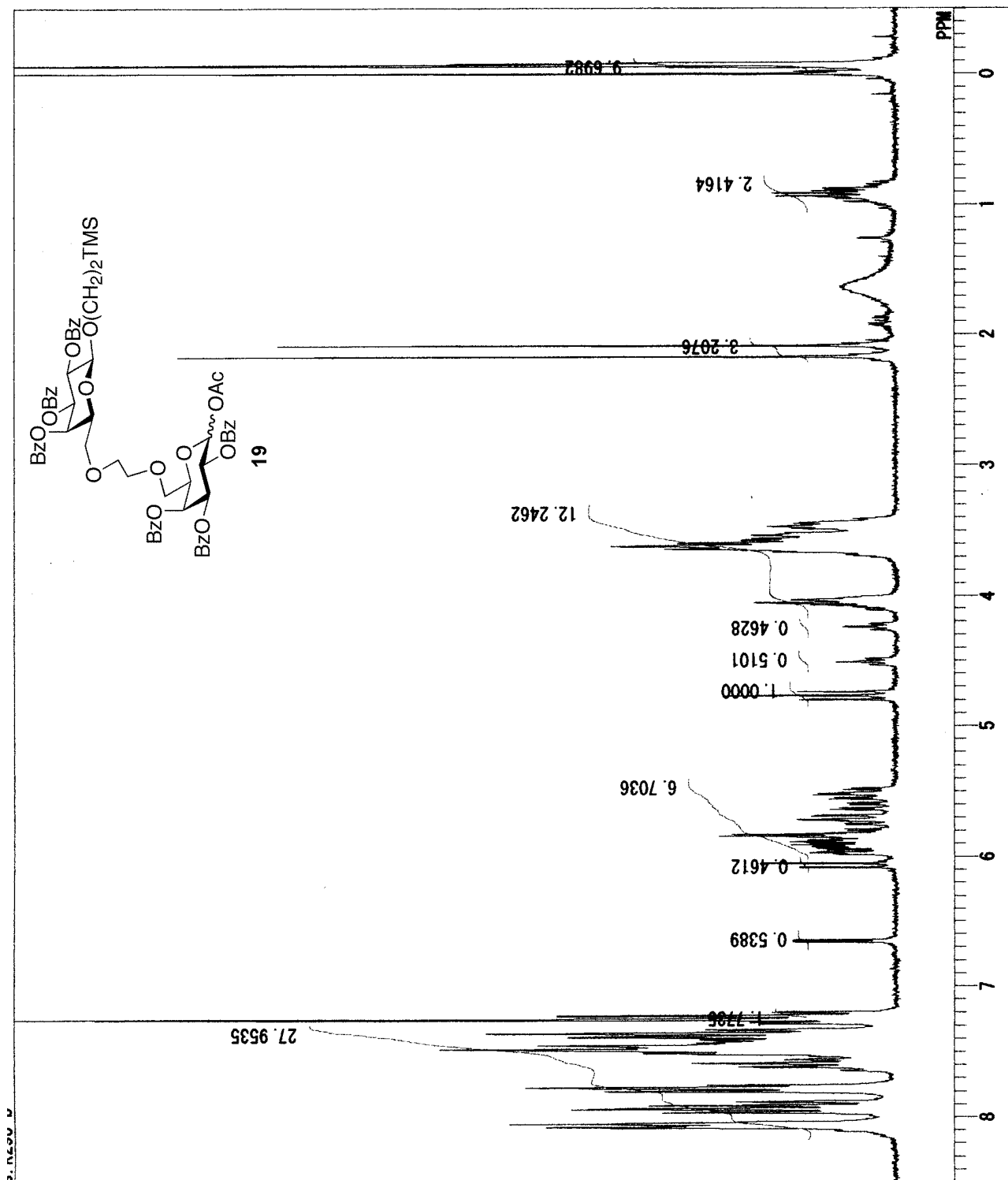
100 MHz ^{13}C NMR spectrum of **17**



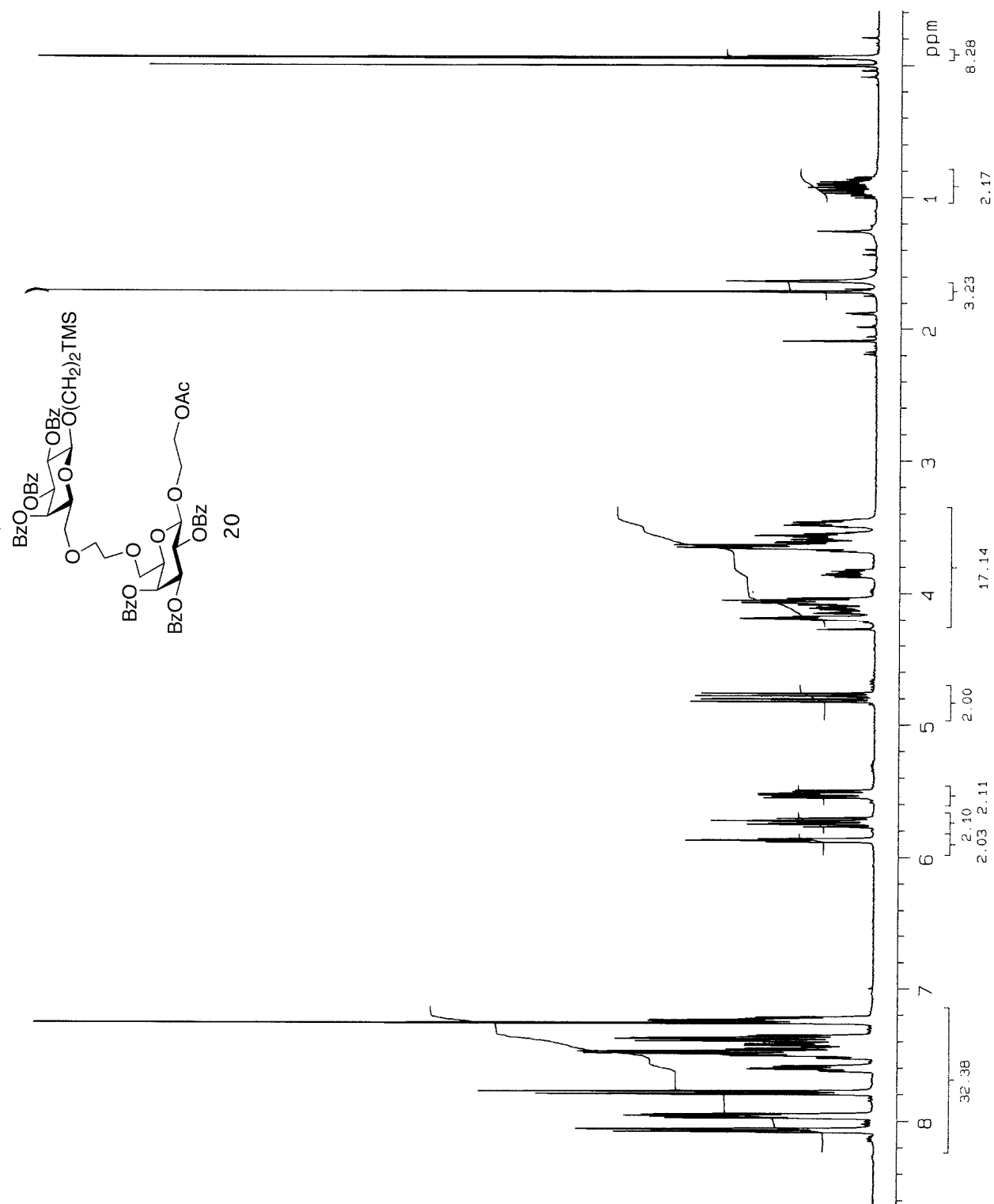
270 MHz ^1H NMR spectrum of **18**



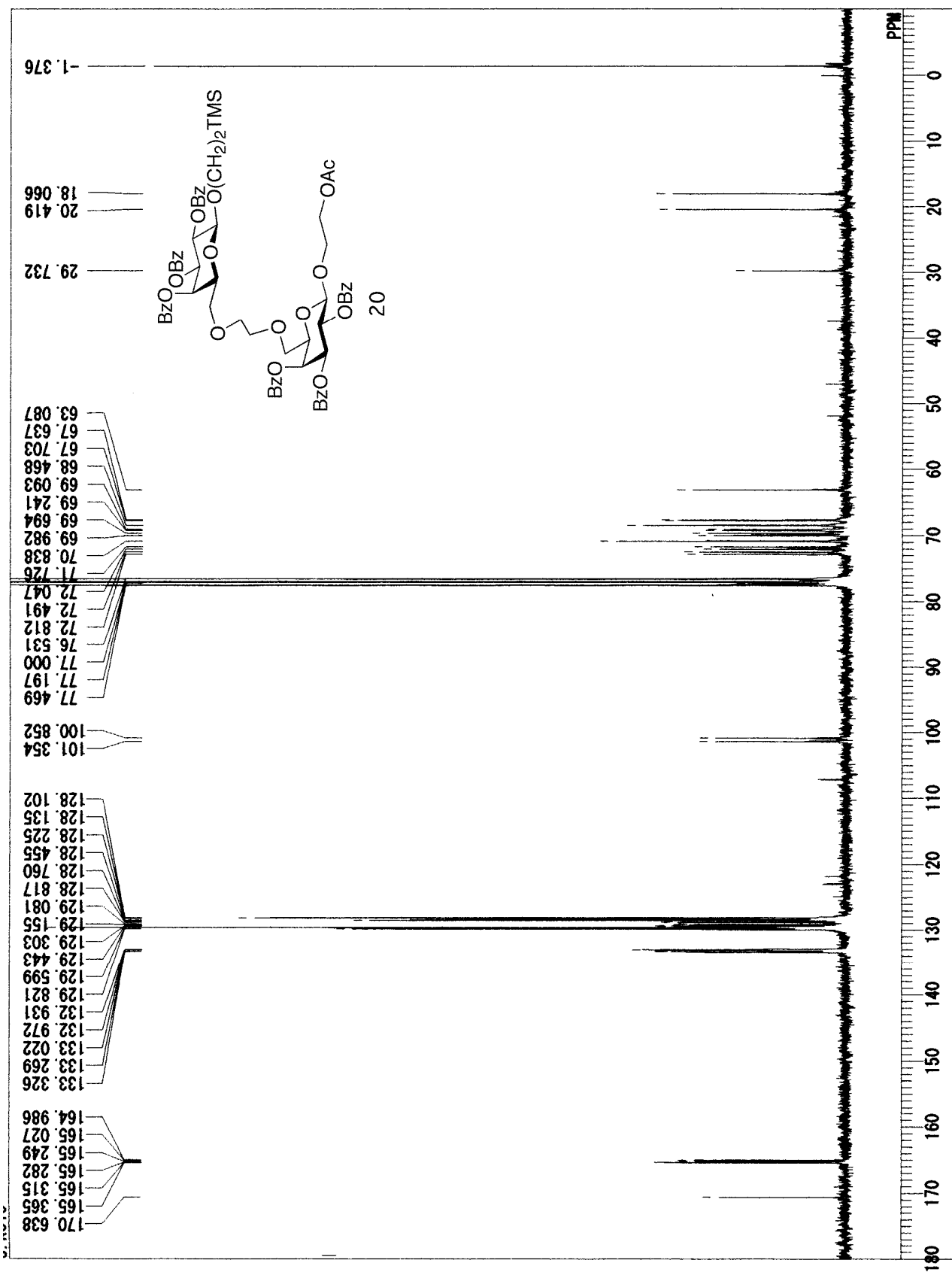
270 MHz ^1H NMR spectrum of **19**



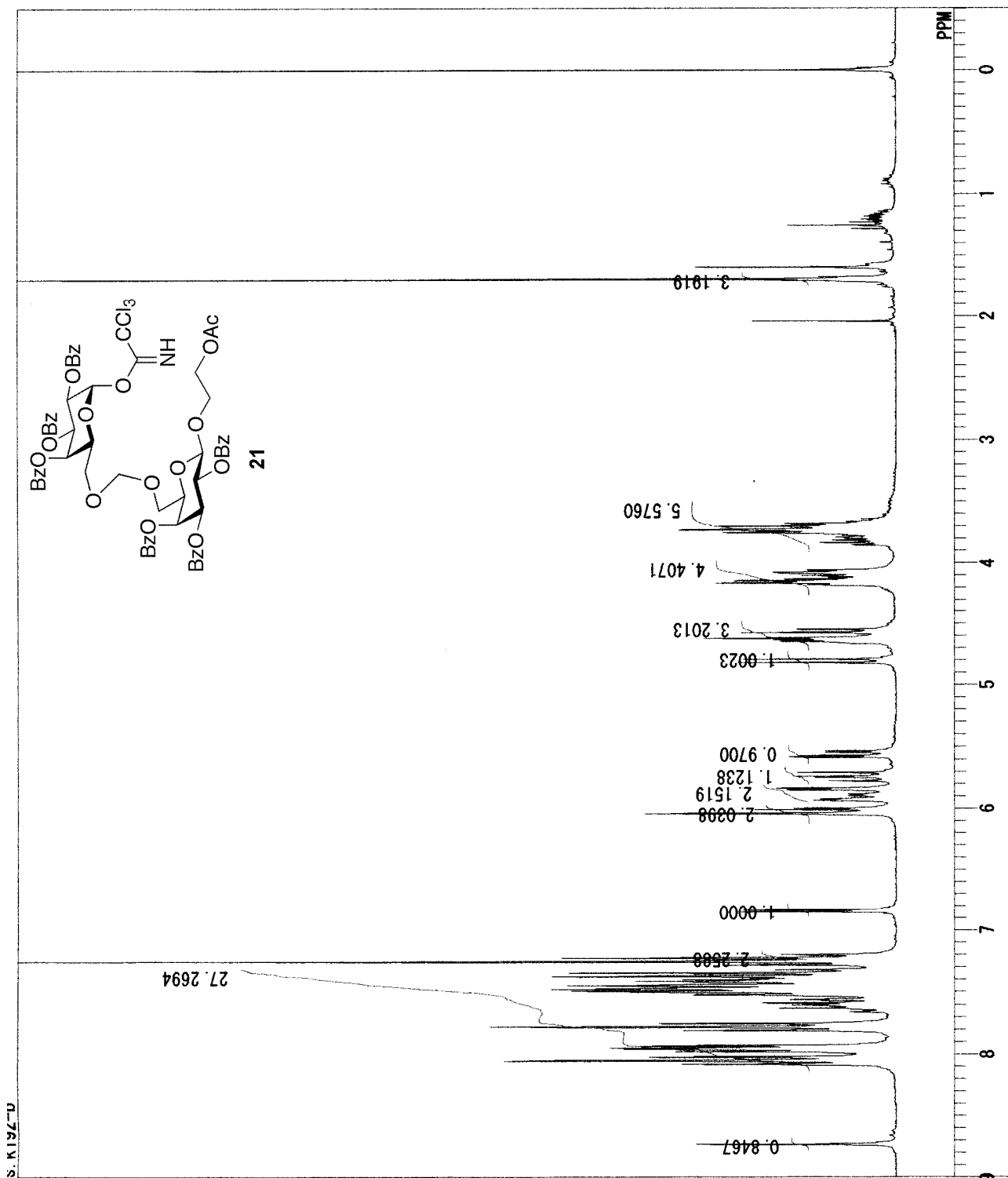
400 MHz ^1H NMR spectrum of **20**



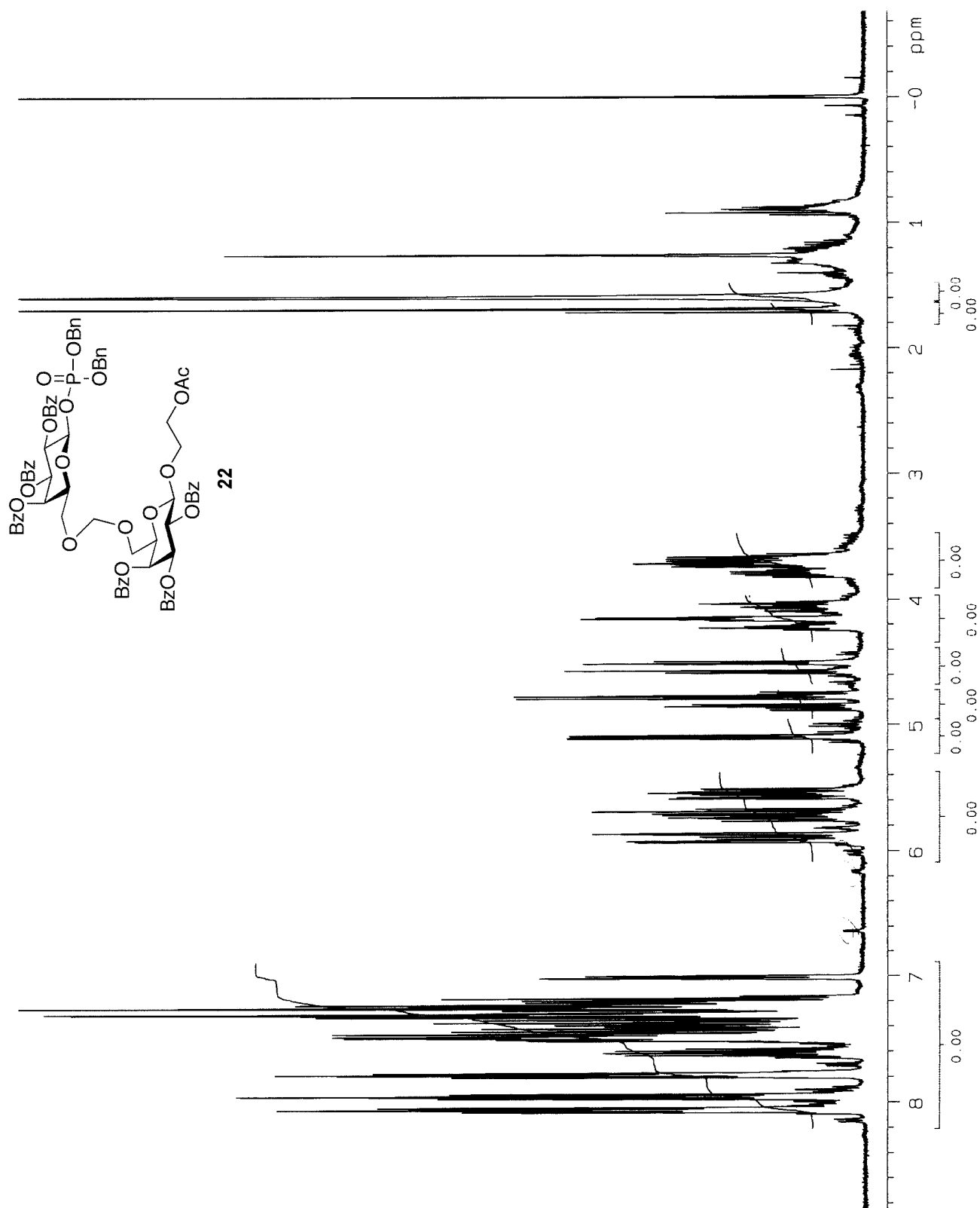
67.8 MHz ^{13}C NMR spectrum of **20**



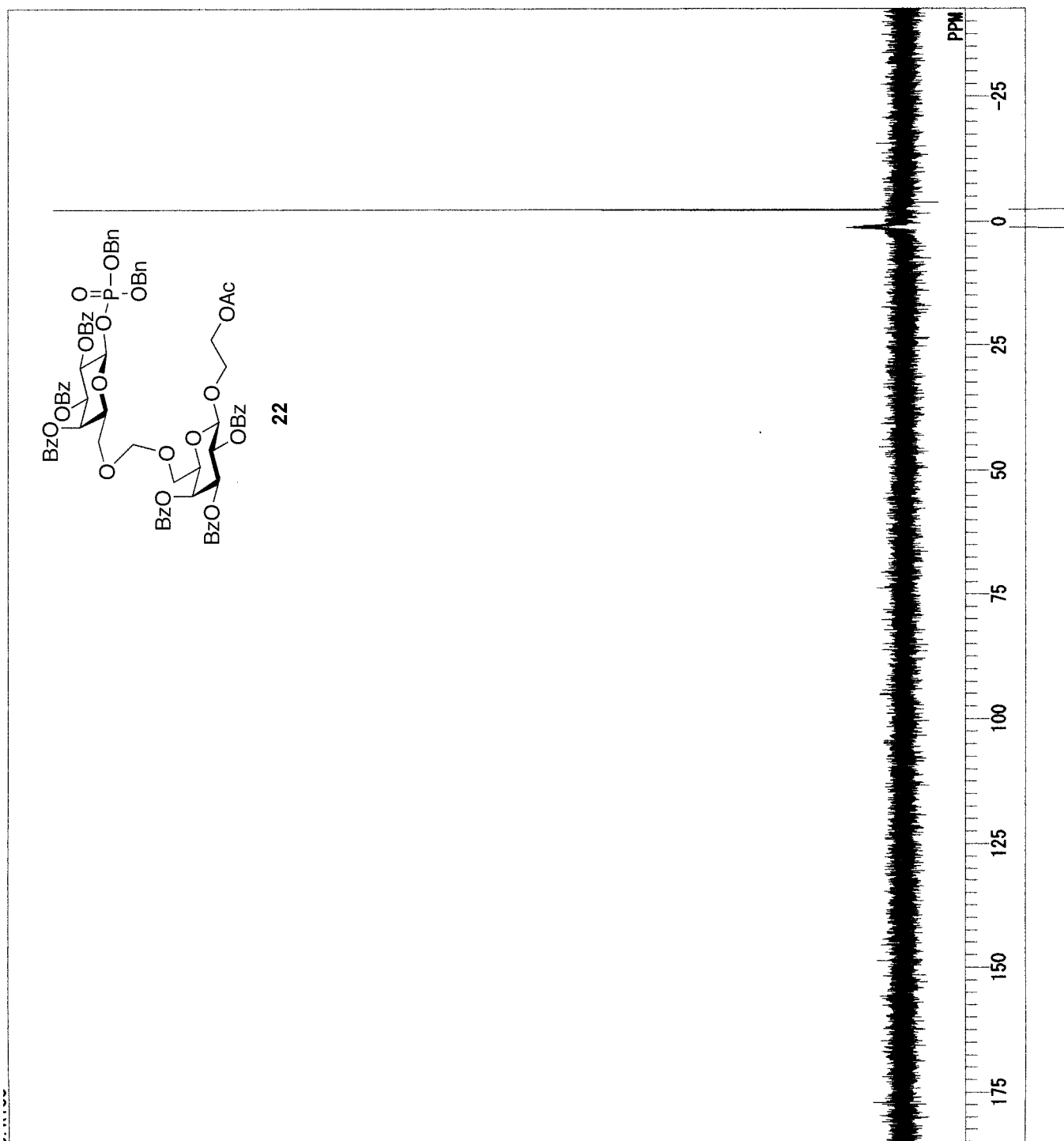
270 MHz ^1H NMR spectrum of **21**



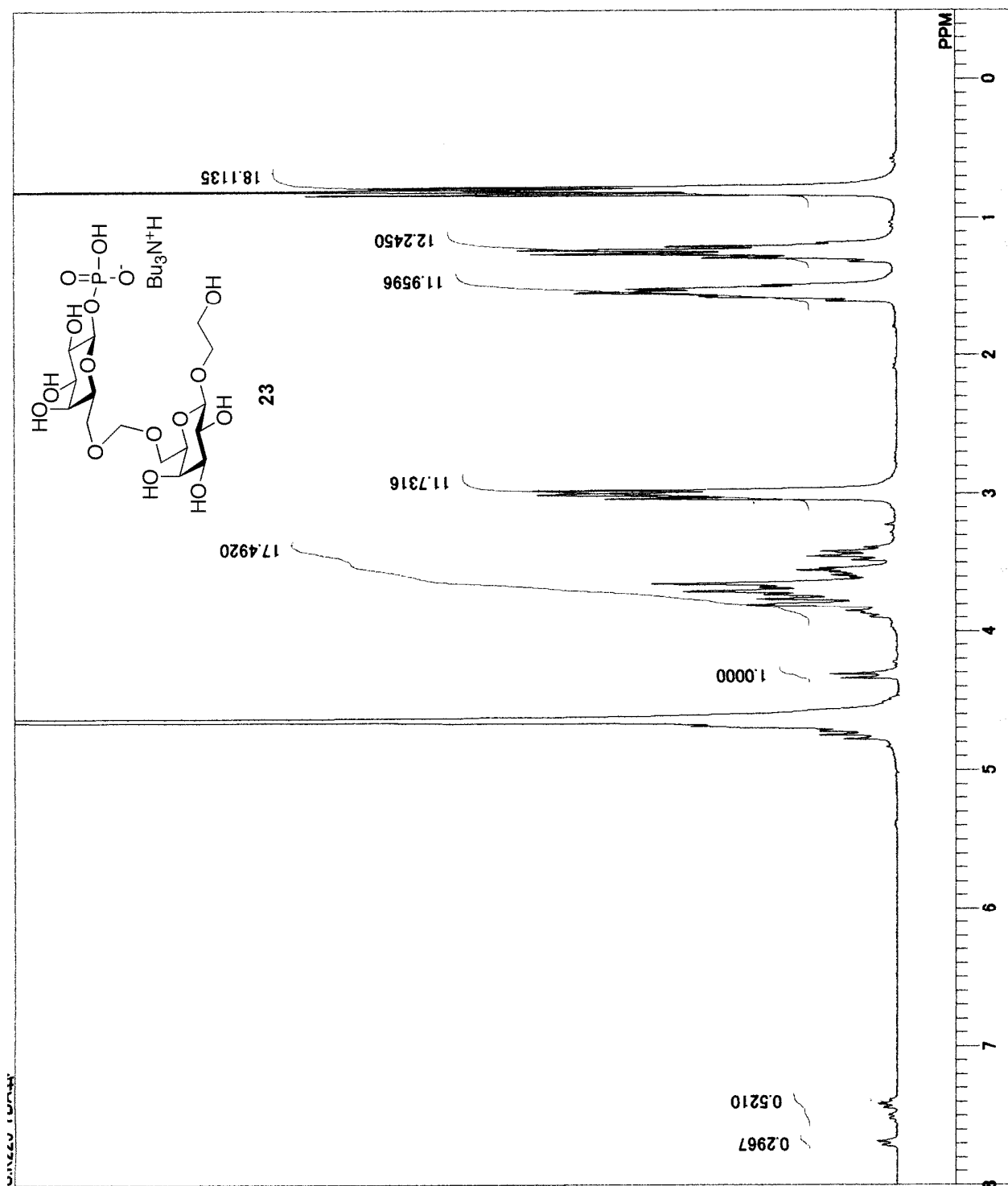
400 MHz ^1H NMR spectrum of **22**



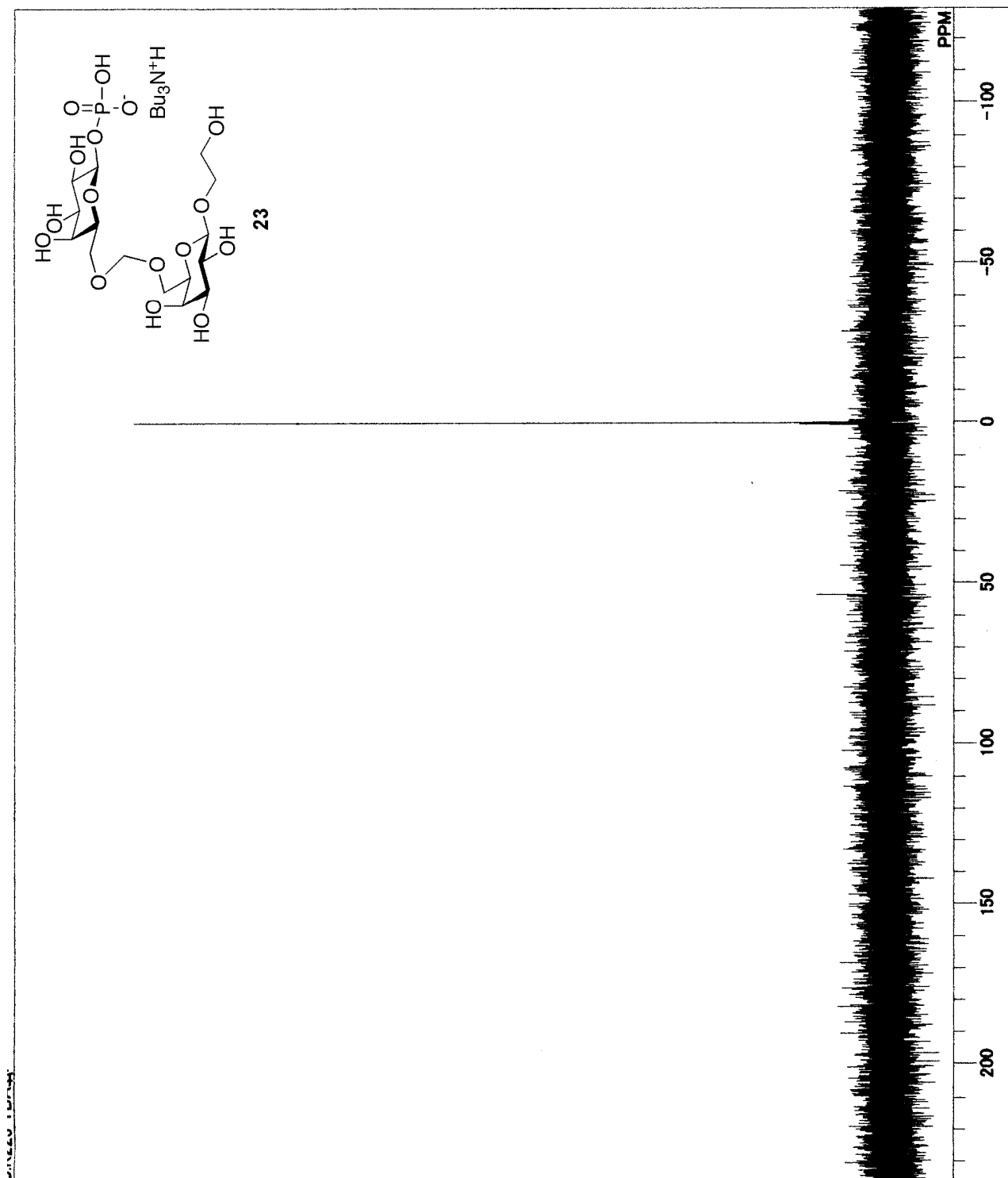
109 MHz ^{31}P NMR spectrum of **22**



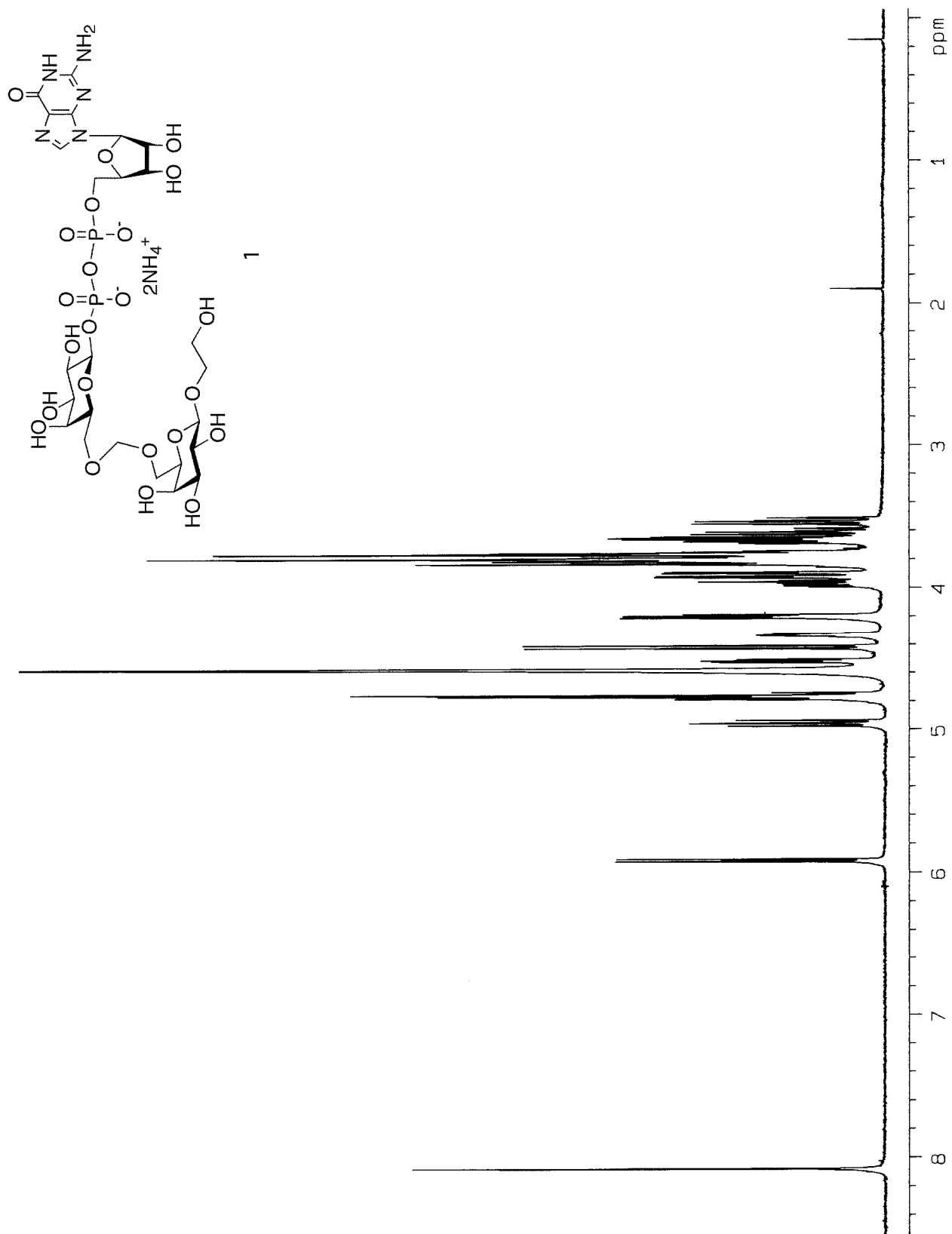
270 MHz ^1H NMR spectrum of **23**



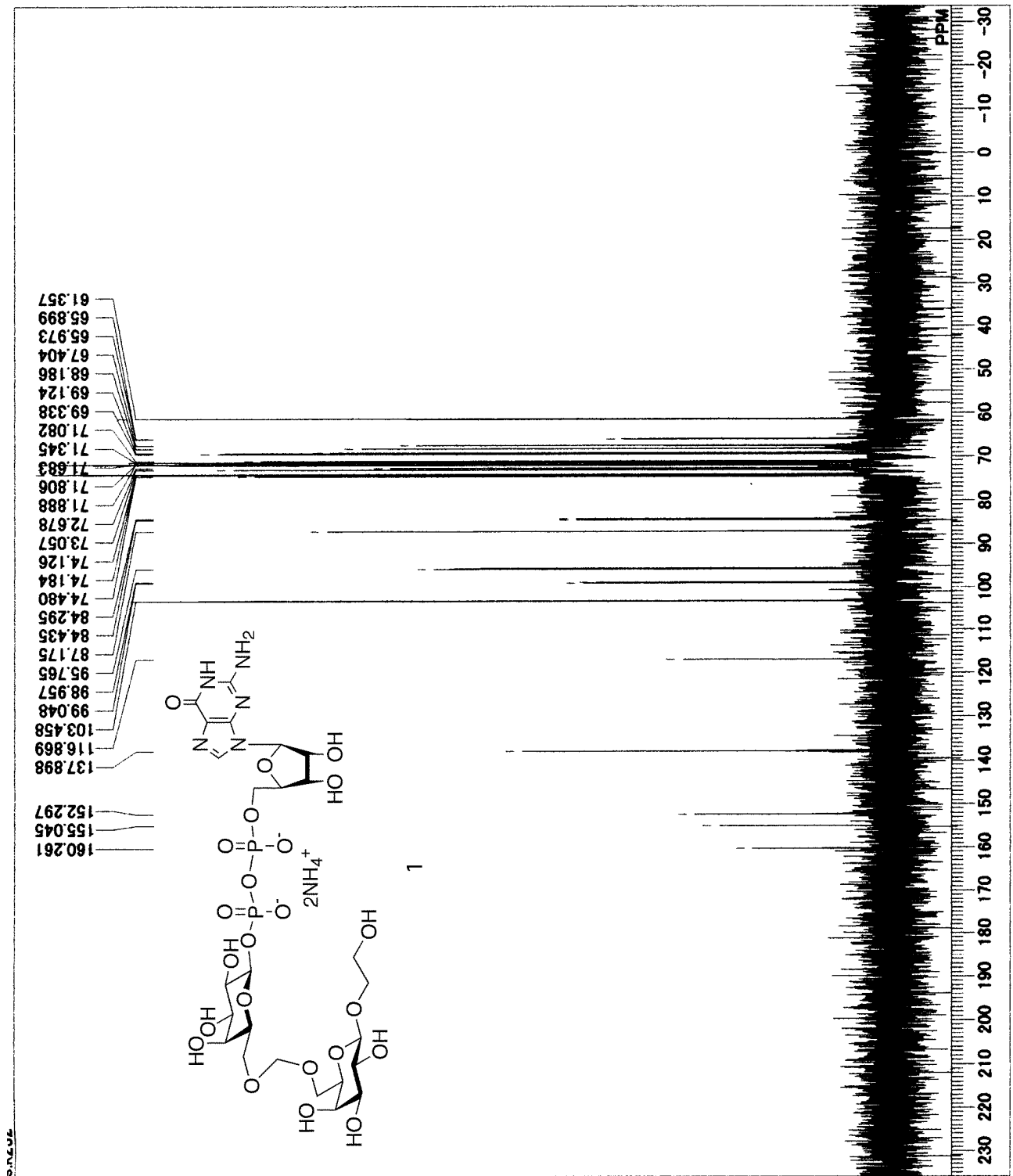
109 MHz ^{31}P NMR spectrum of **23**



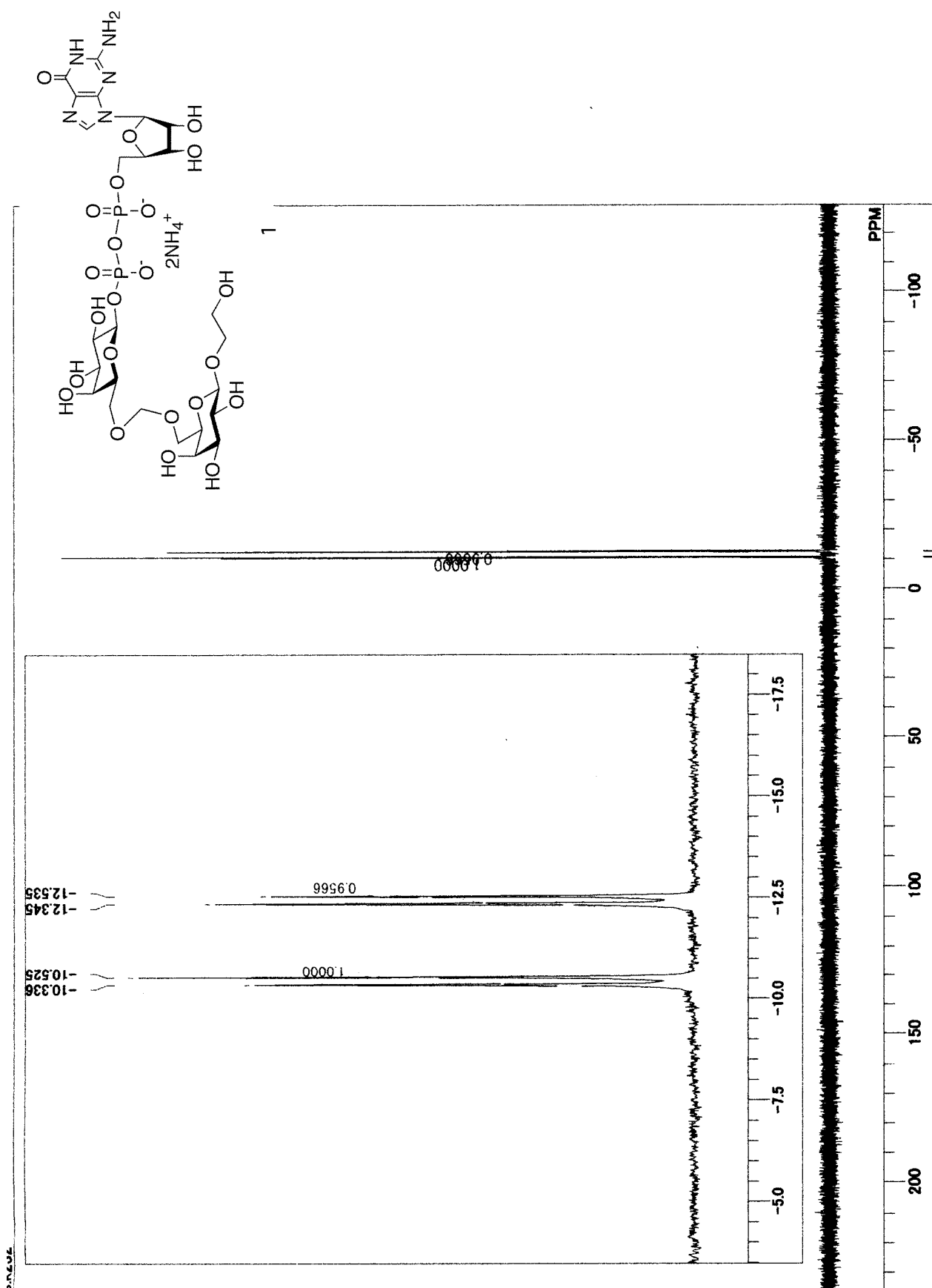
400 MHz ^1H NMR spectrum of **1**



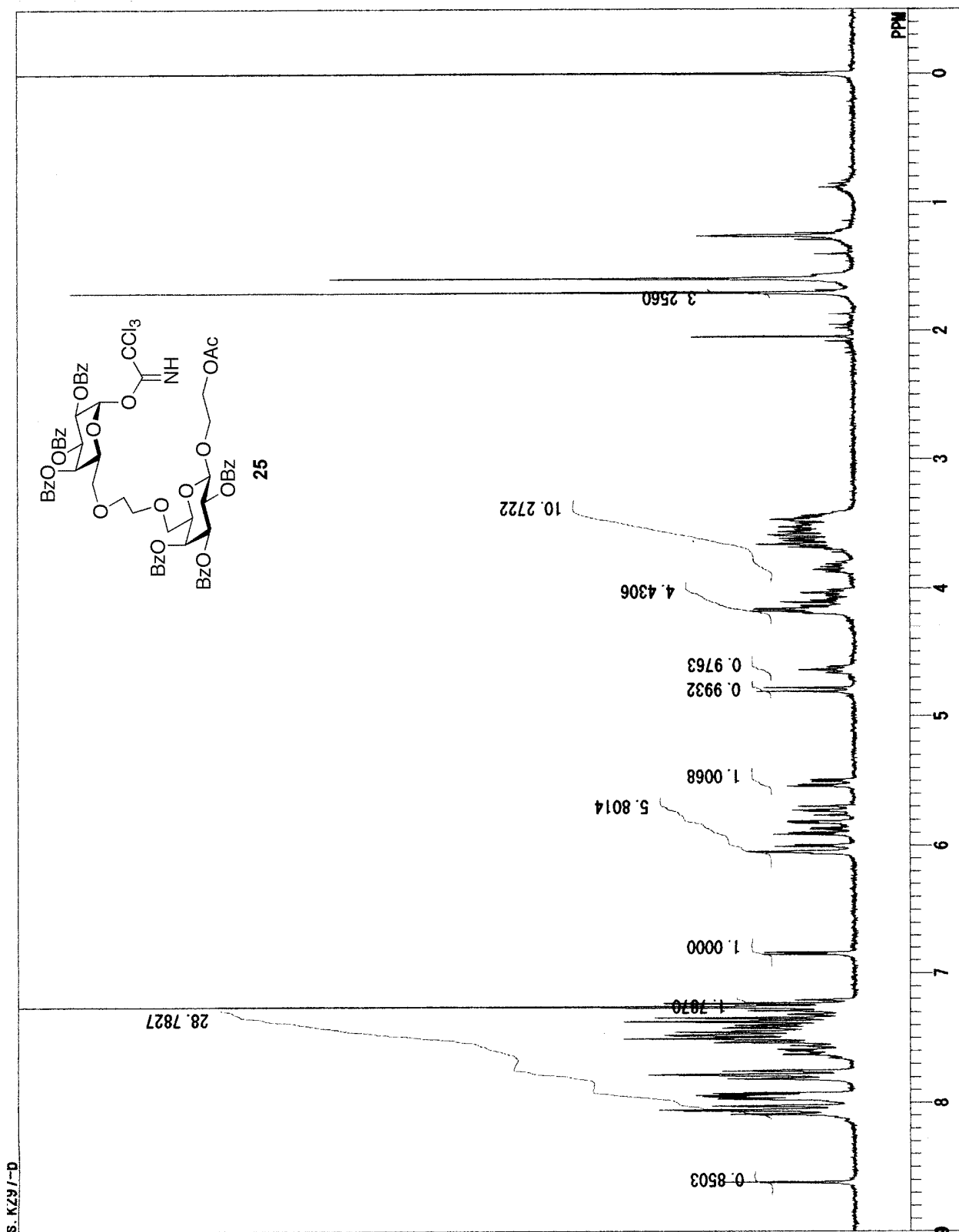
67.8 MHz ^{13}C NMR spectrum of **1**



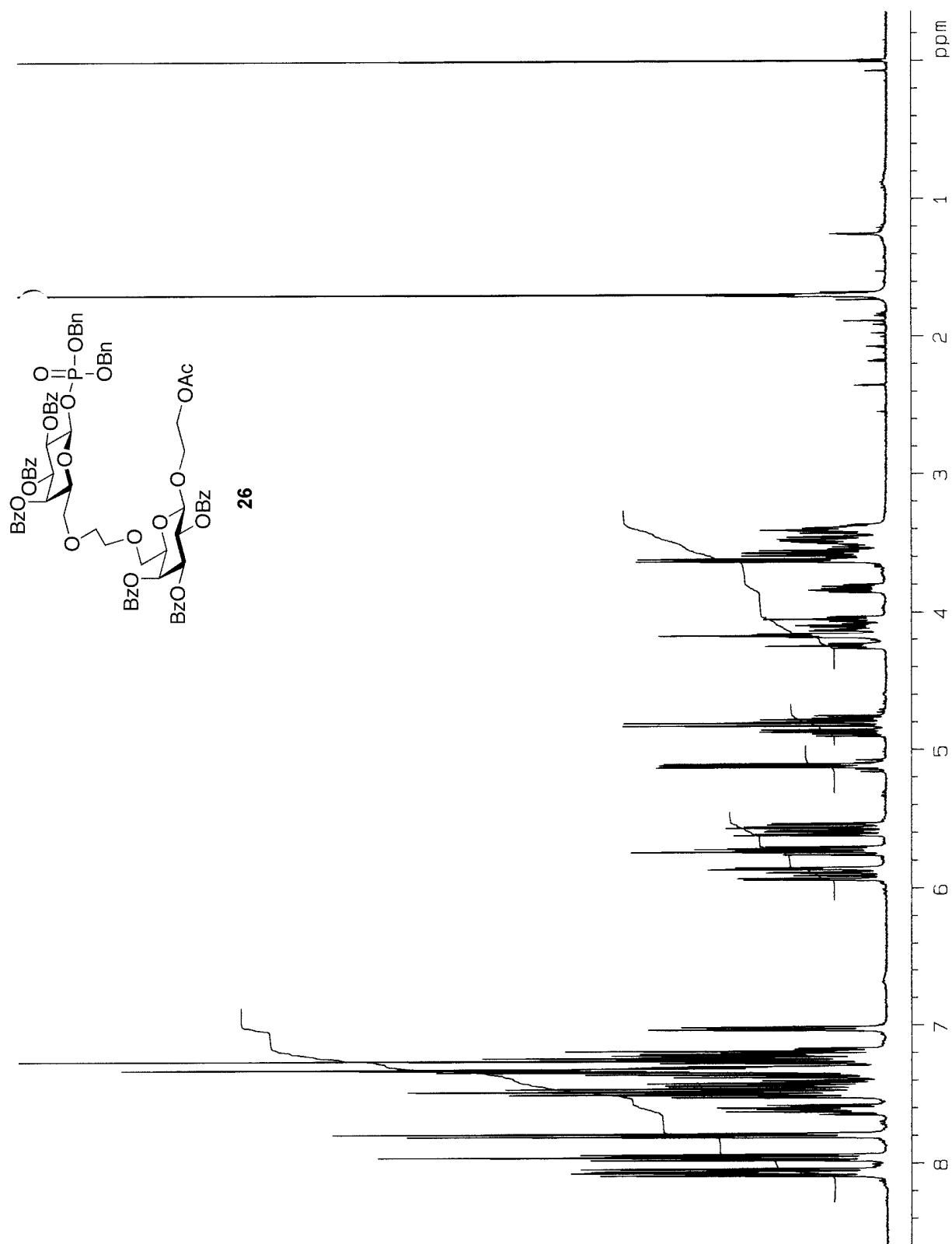
109 MHz ^{31}P NMR spectrum of **1**



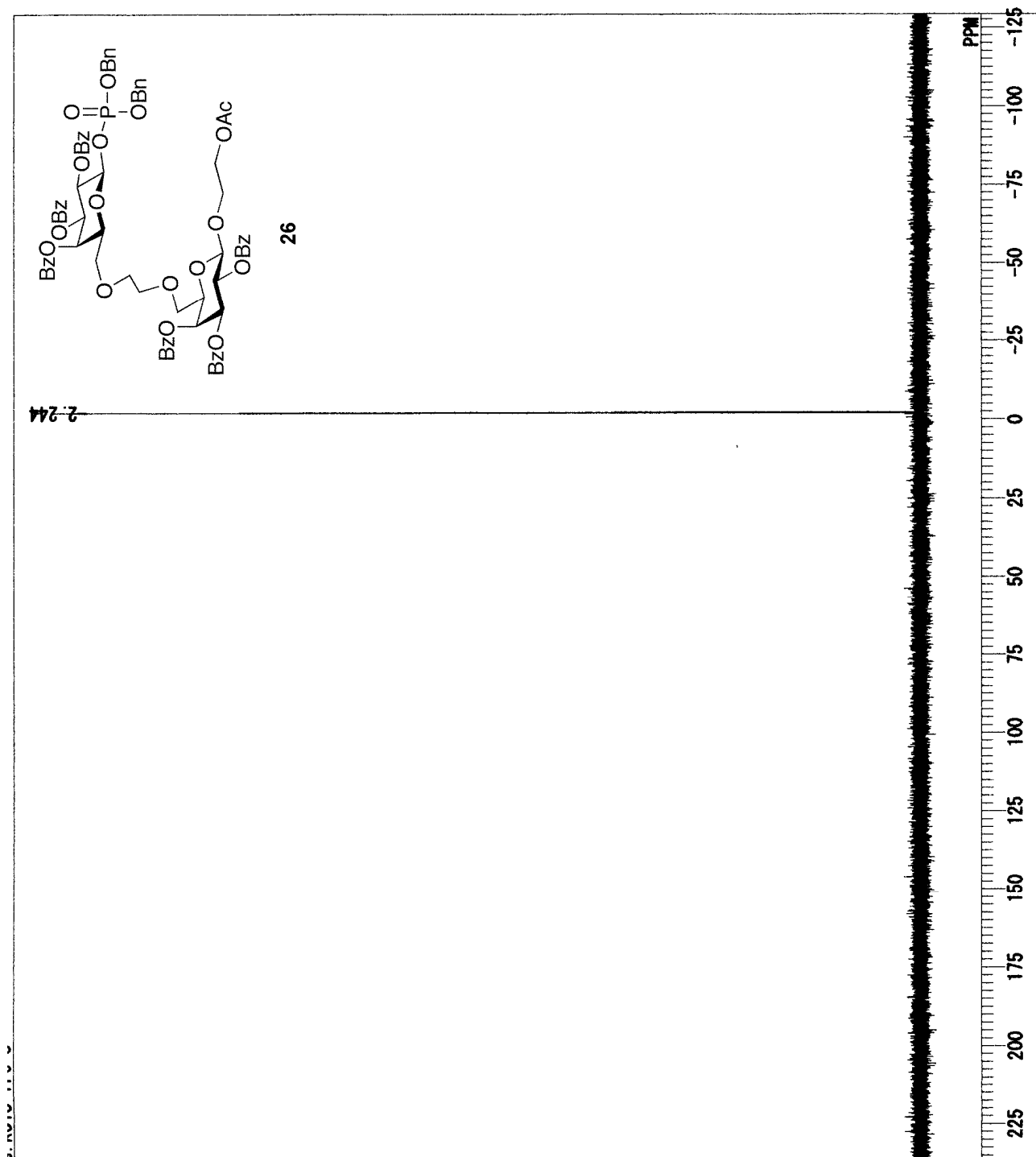
270 MHz ¹H NMR spectrum of **25**



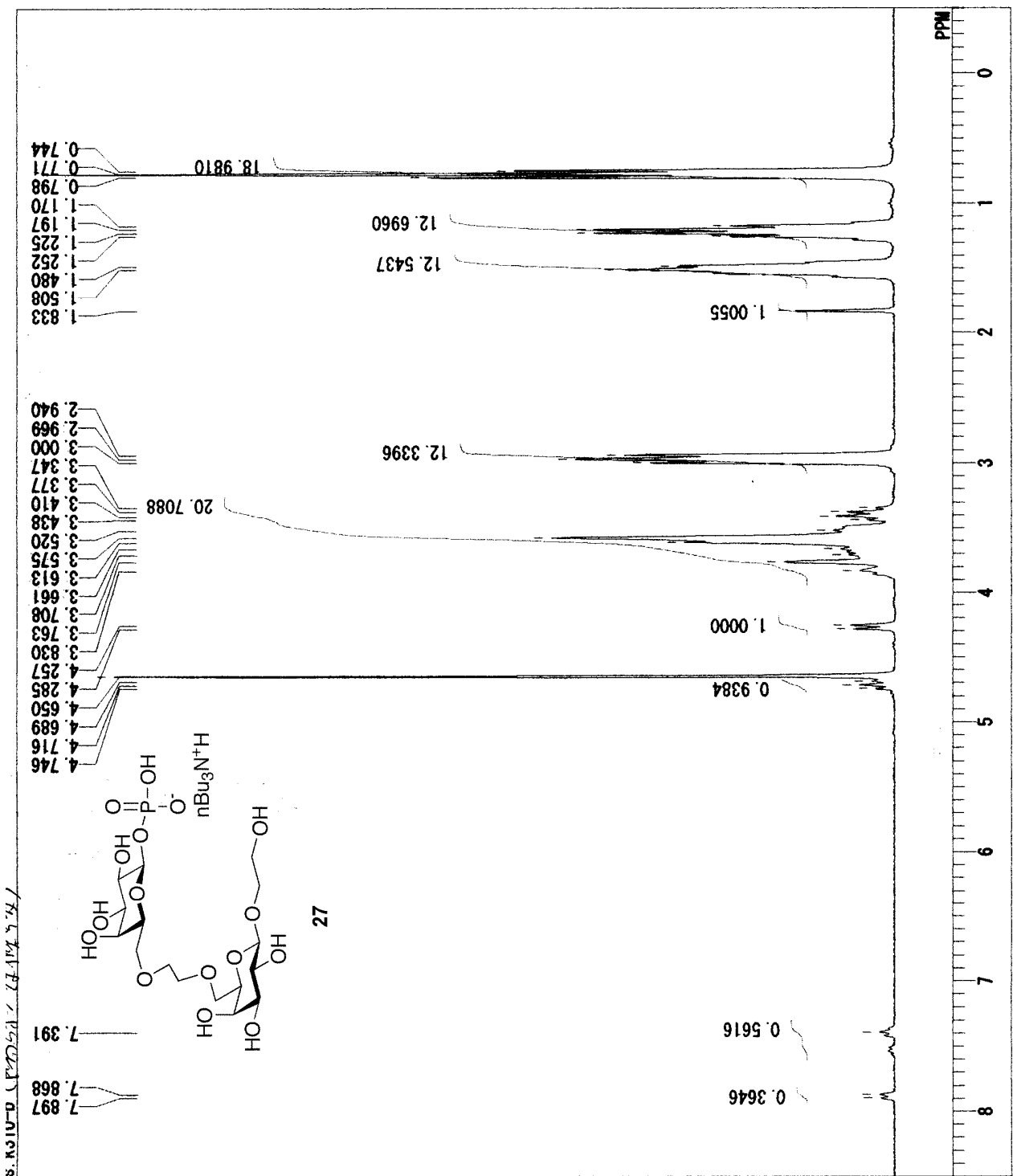
400 MHz ^1H NMR spectrum of **26**



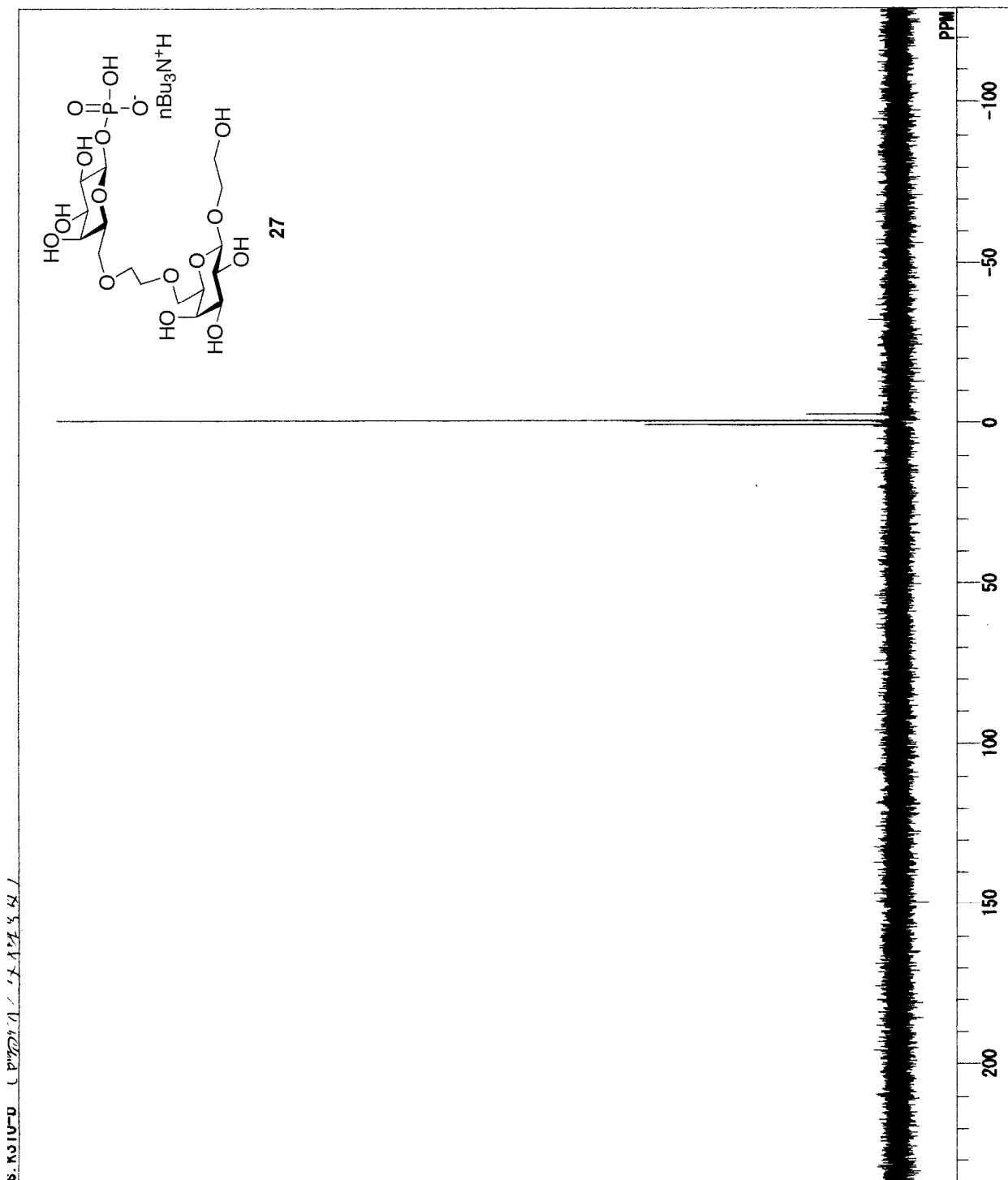
109 MHz ^{31}P NMR spectrum of **26**



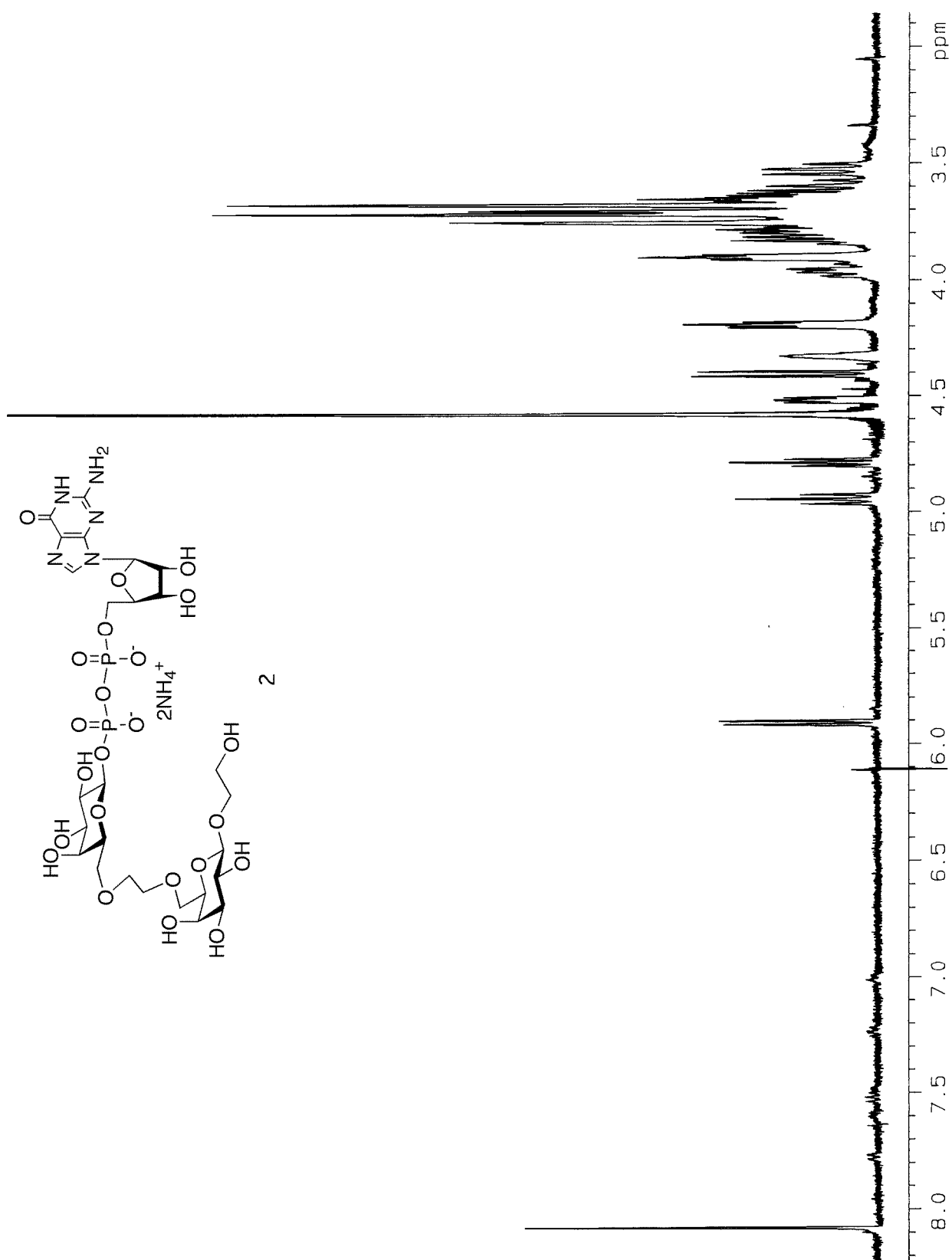
270 MHz ^1H NMR spectrum of 27



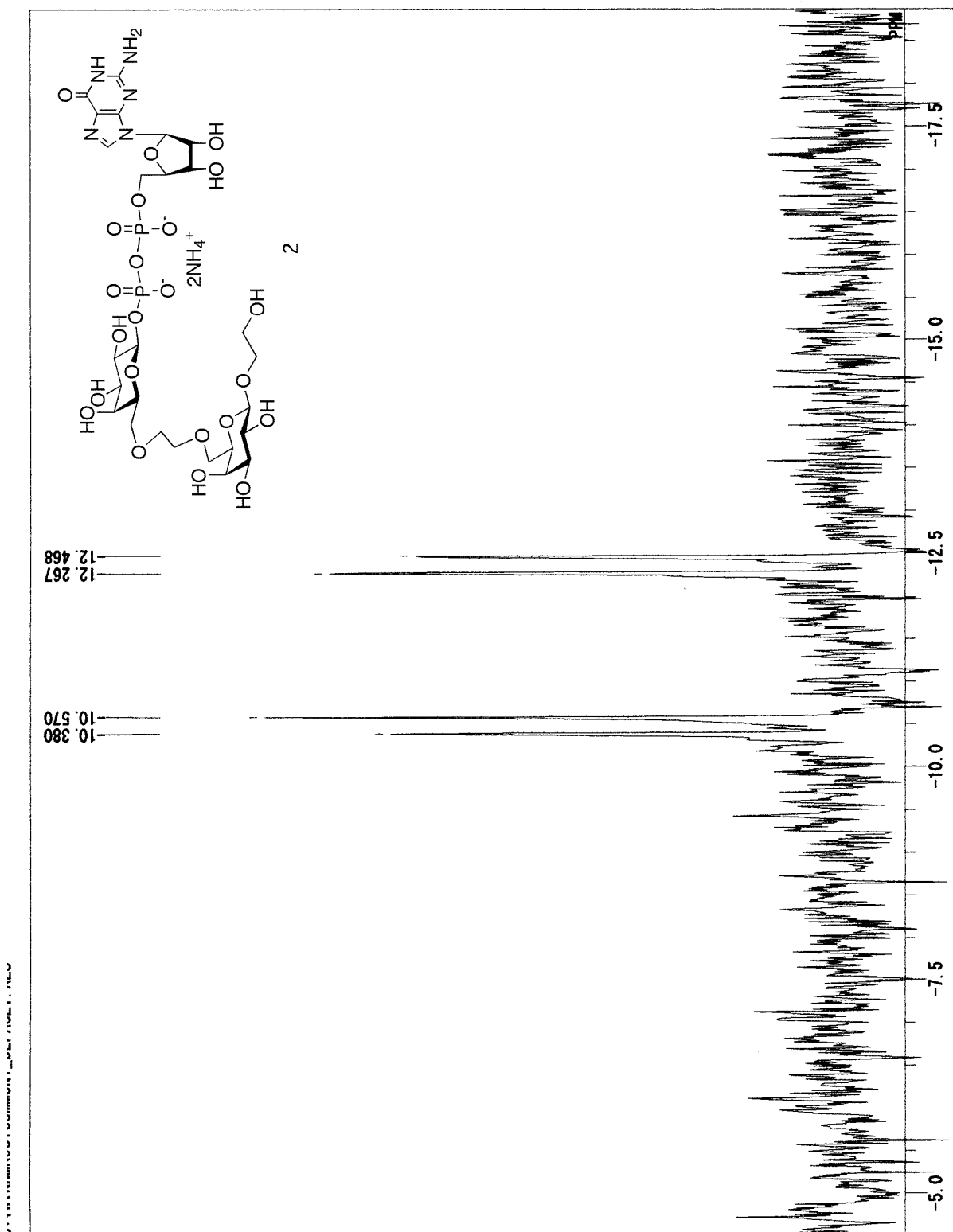
109 MHz ^{31}P NMR spectrum of **27**



400 MHz ^1H NMR spectrum of **2**

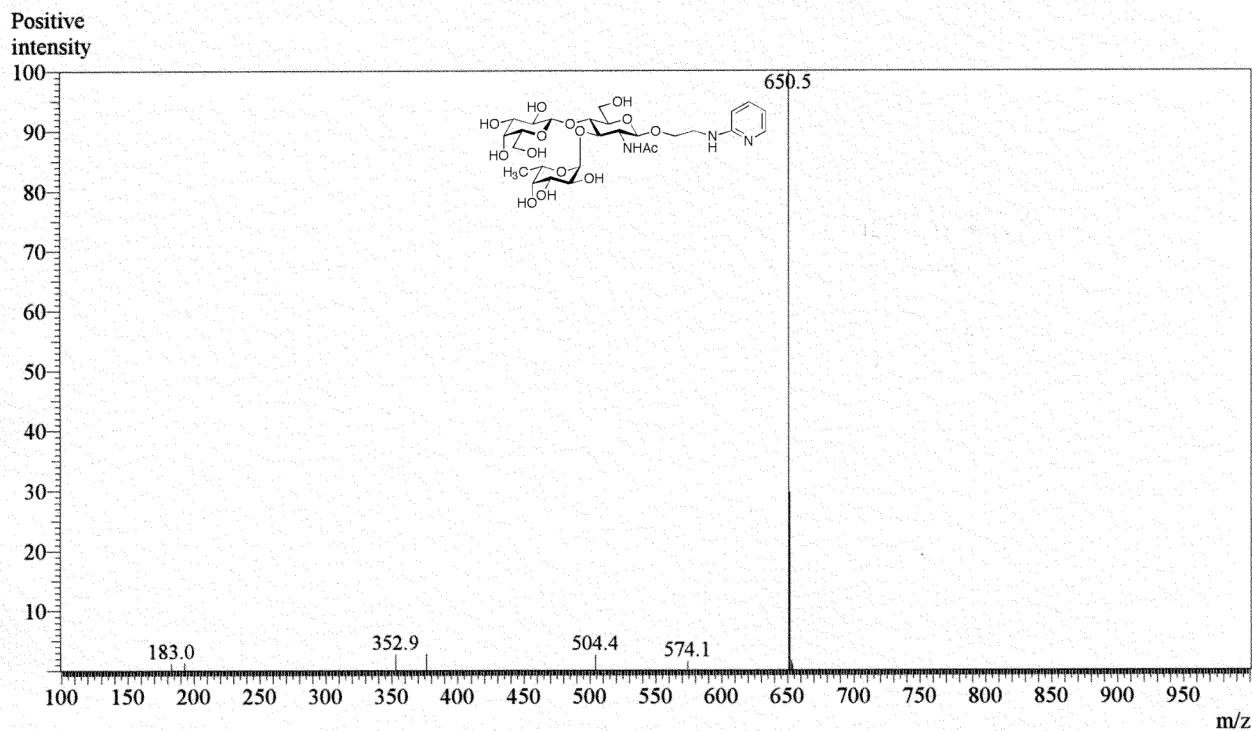


109 MHz ^{31}P NMR spectrum of **2**

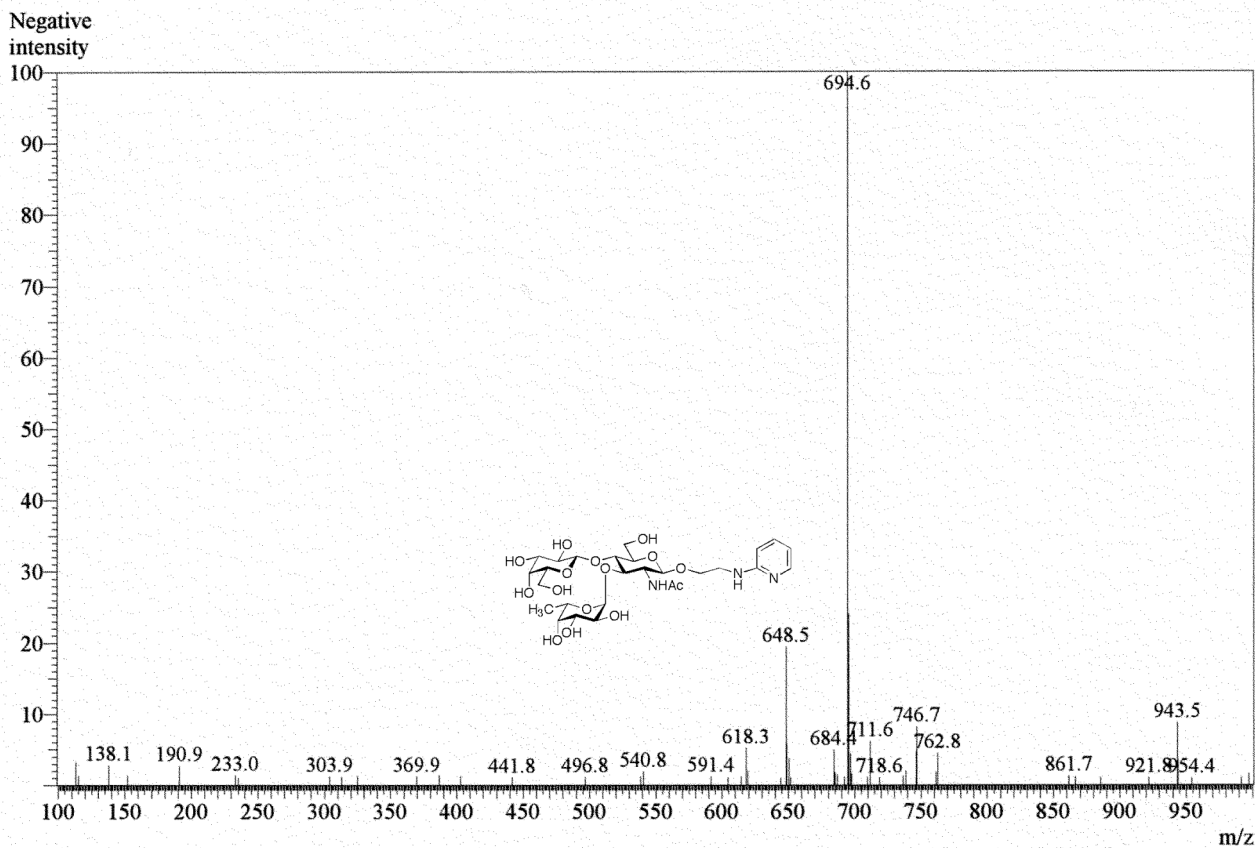


ESI-MS spectra of FucT VI reaction product using PA-LacNAc and GDP-Fuc

PA-LacNAc + GDP-Fuc w/ FucT VI

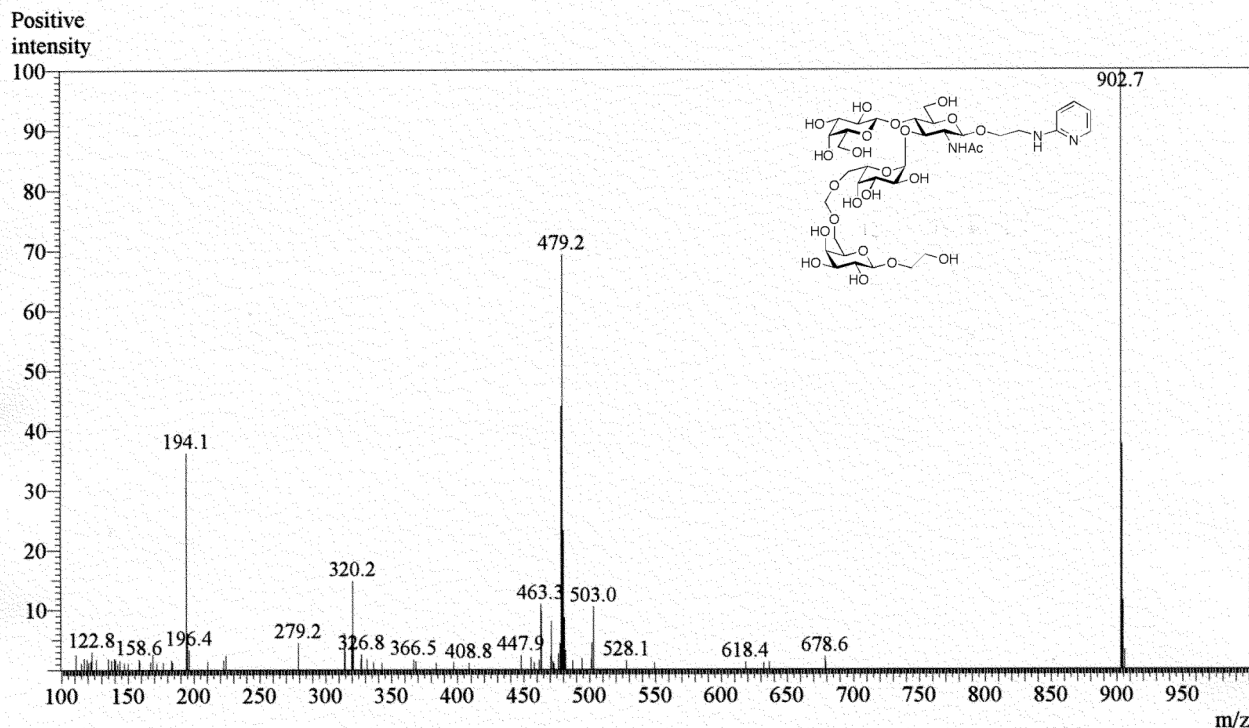


PA-LacNAc + GDP-Fuc w/ FucT VI

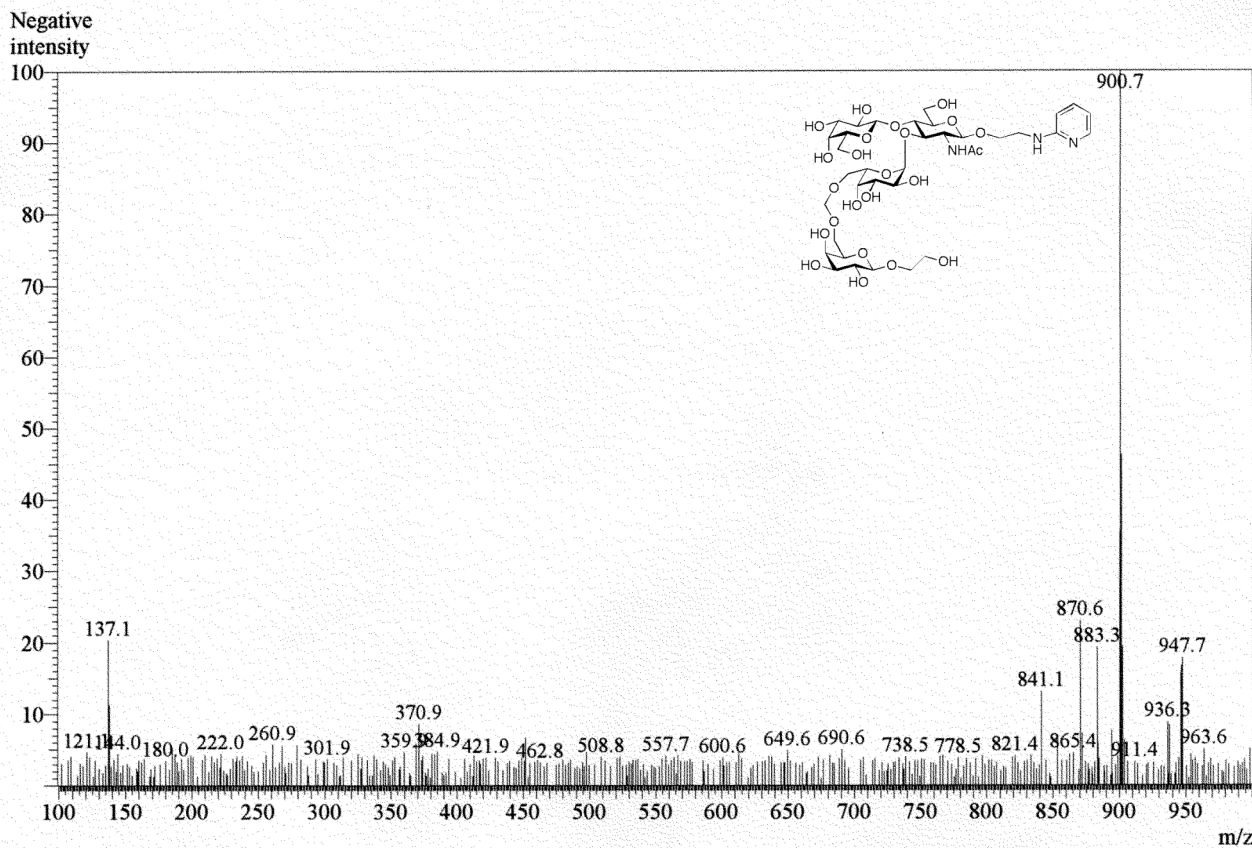


ESI-MS spectra of FucT VI reaction product using PA-LacNAc and compound 1

PA-LacNAc + compound 1 w/ FucT VI

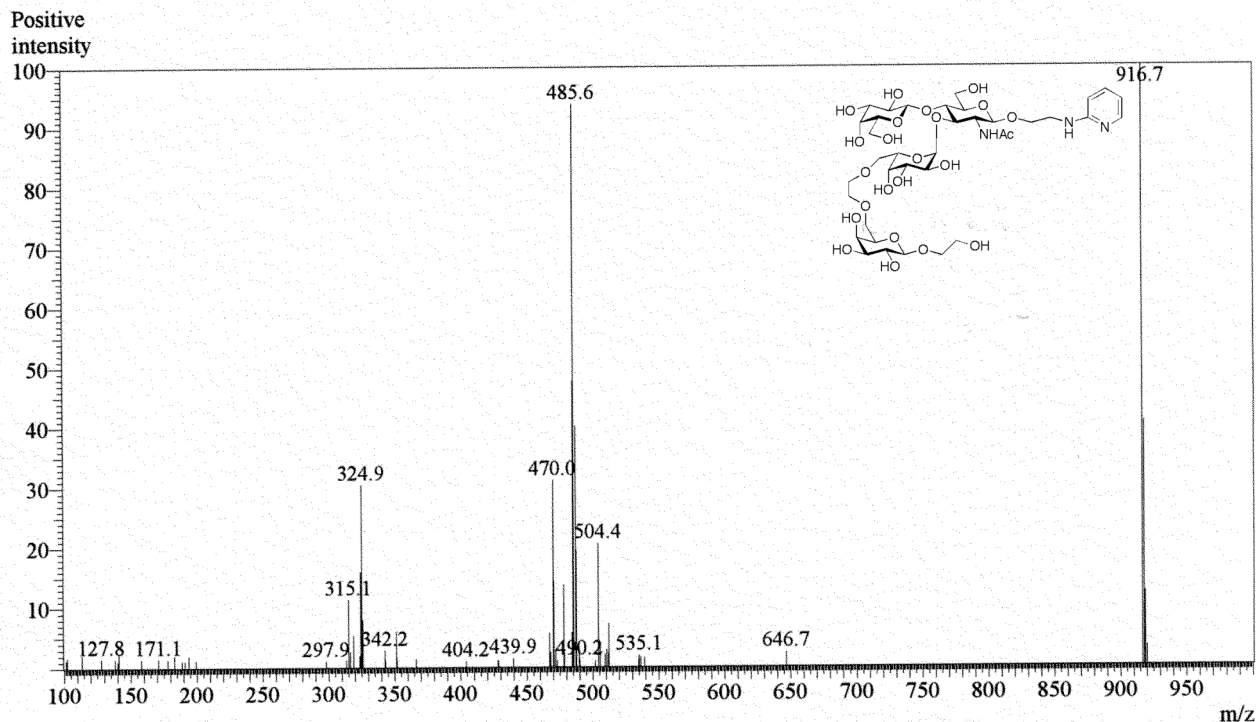


PA-LacNAc + compound 1 w/ FucT VI



ESI-MS spectra of FucT VI reaction product using PA-LacNAc and compound 2

PA-LacNAc + compound 2 w/ FucT VI



PA-LacNAc + compound 2 w/ FucT VI

