

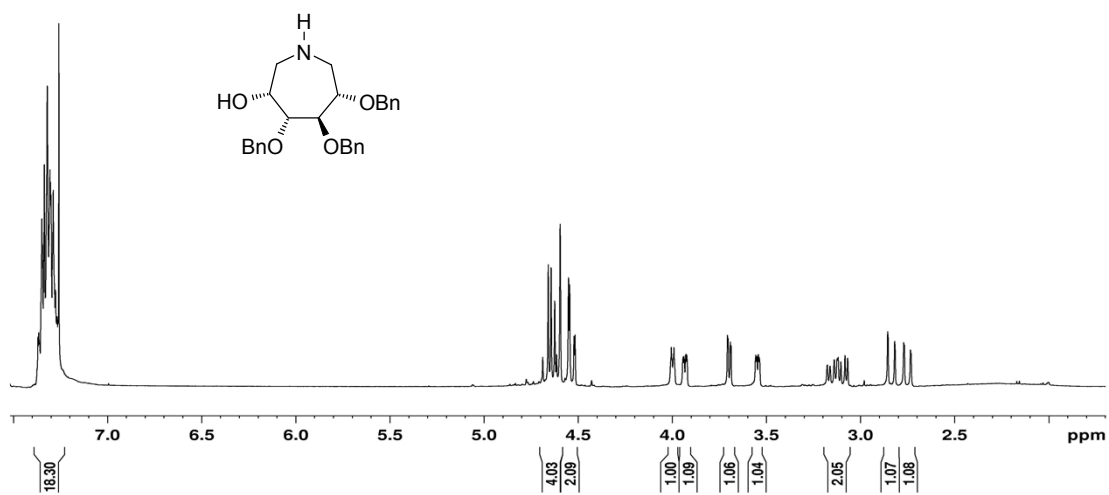
***N*- and *C*-functionalisation of seven-membered iminosugars with long alkyl chains generate potent glycosidase inhibitors and F508del-CFTR correctors**

J. Désiré,^{a*} M. Mondon,^a N. Fontelle,^a S. Nakagawa,^b Y. Hirokami,^b I. Adachi,^b R. Iwaki,^b G. W. J. Fleet,^c D. S. Alonzi,^d G. Twigg,^d T. D. Butters,^d J. Bertrand,^e V. Cendret,^a F. Becq,^e C. Norez,^e J. Marrot,^f A. Kato,^{b*} Y. Blériot^{a*}

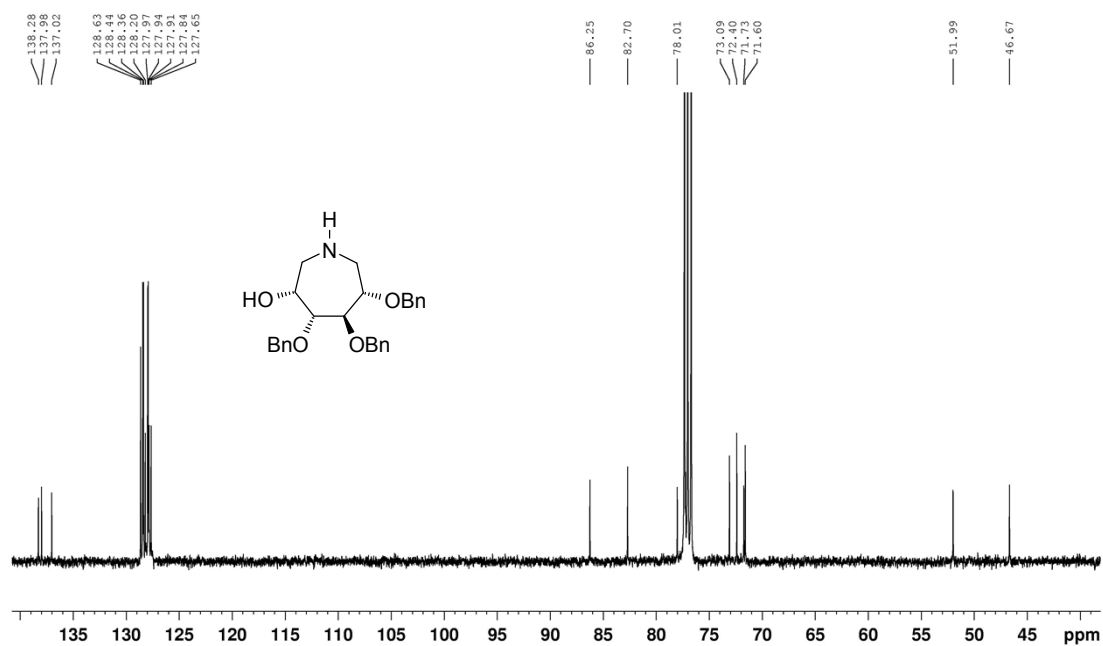
SUPPORTING INFORMATION

Table of contents:

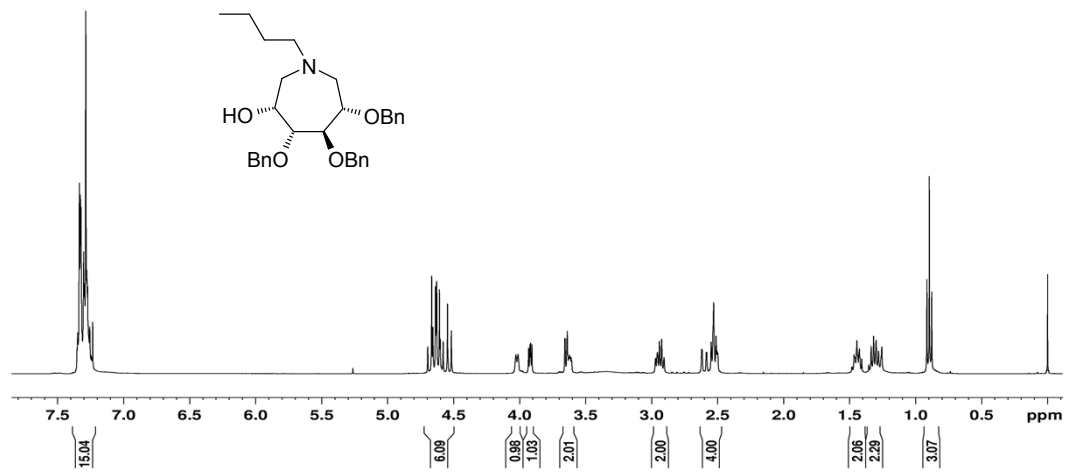
Page 2	¹ H and ¹³ C spectra of compound 14
Page 3	¹ H and ¹³ C spectra of compound 15a
Page 4	¹ H and ¹³ C spectra of compound 15b
Page 5	¹ H and ¹³ C spectra of compound 15c
Page 6	¹ H and ¹³ C spectra of compound 15d
Page 7	¹ H and ¹³ C spectra of compound 16a
Page 8	¹ H and ¹³ C spectra of compound 16b
Page 9	¹ H and ¹³ C spectra of compound 16c
Page 10	¹ H and ¹³ C spectra of compound 16d
Page 11	¹ H and ¹³ C spectra of compound 17
Page 12	¹ H and ¹³ C spectra of compound 18
Page 13	¹ H and ¹³ C spectra of compound 19a
Page 14	¹ H and ¹³ C spectra of compound 19b
Page 15	¹ H and ¹³ C spectra of compound 19c
Page 16	¹ H and ¹³ C spectra of compound 19d
Page 17	¹ H and ¹³ C spectra of compound 20a
Page 18	¹ H and ¹³ C spectra of compound 20b
Page 19	¹ H and ¹³ C spectra of compound 20c
Page 20	¹ H and ¹³ C spectra of compound 20d



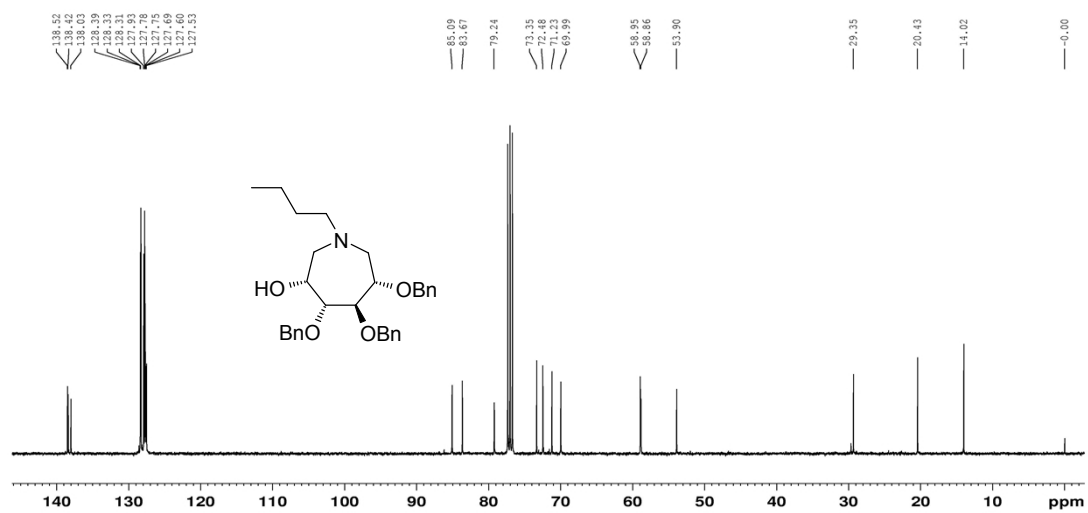
^1H NMR spectrum of **14**, 400 MHz, CDCl_3



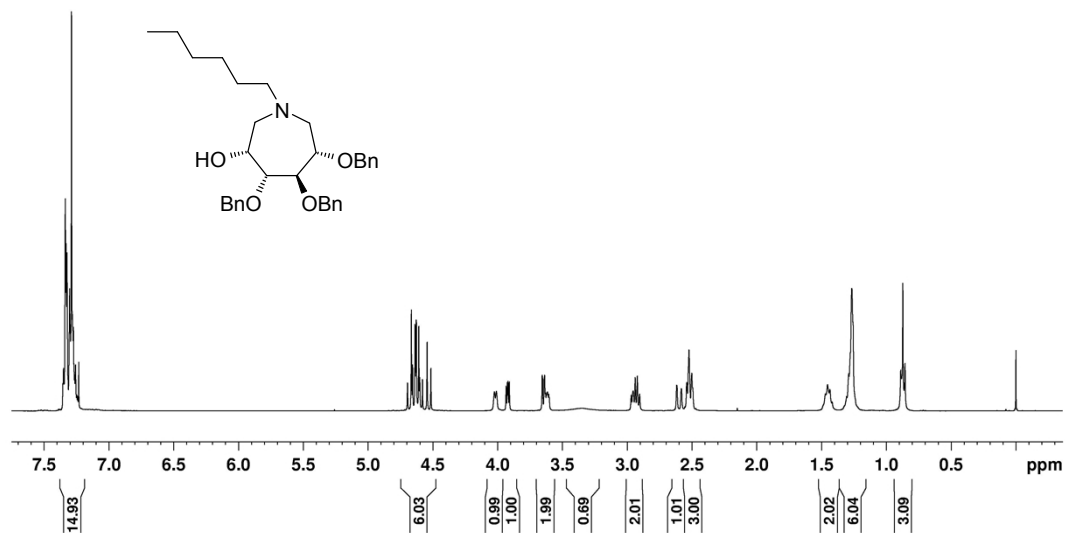
^{13}C NMR spectrum of **14**, 100 MHz, CDCl_3



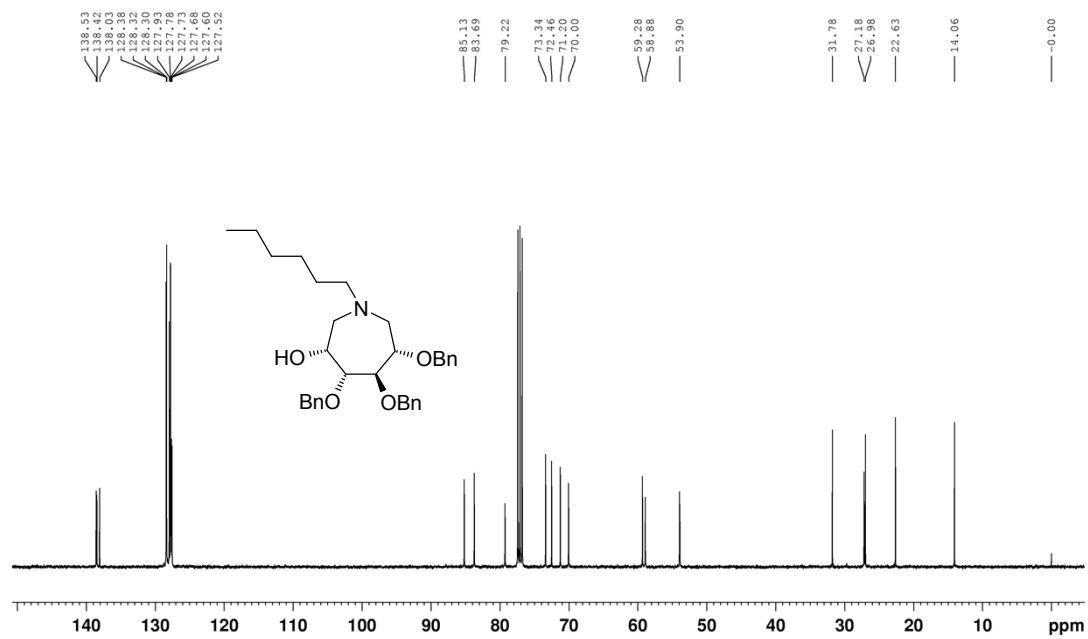
^1H NMR spectrum of **15a**, 400 MHz, CDCl_3



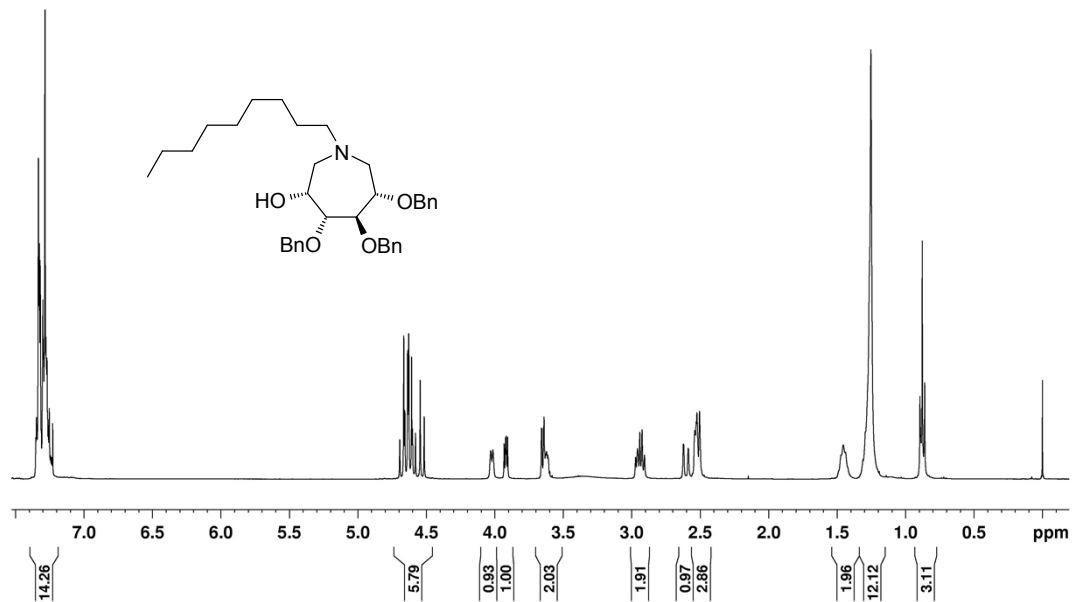
^{13}C NMR spectrum of **15a**, 100 MHz, CDCl_3



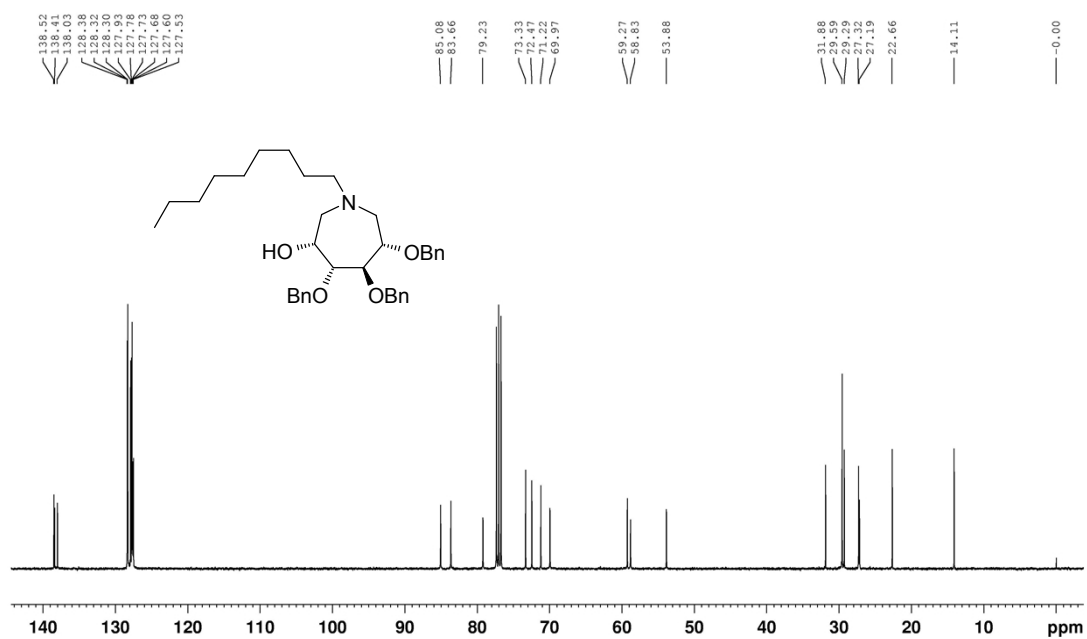
^1H NMR spectrum of **15b**, 400 MHz, CDCl_3



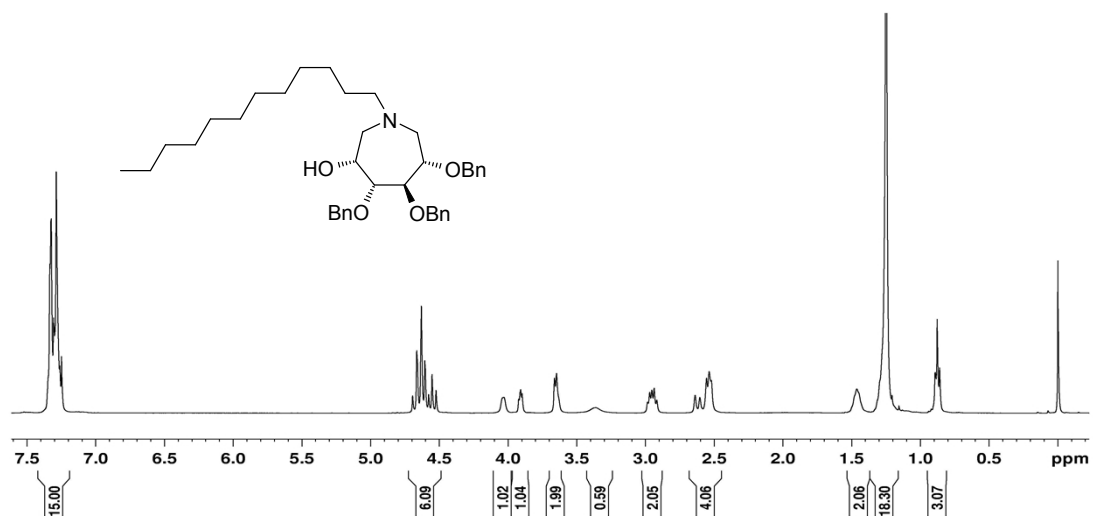
^{13}C NMR spectrum of **15b**, 100 MHz, CDCl_3



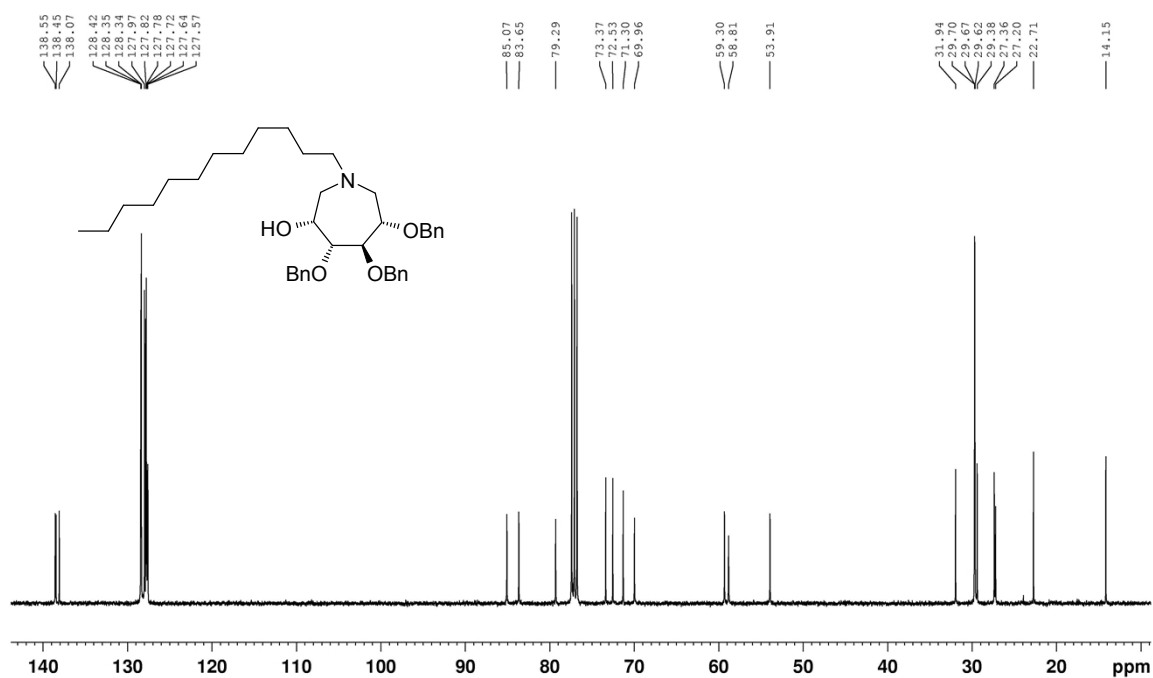
¹H NMR spectrum of **15c**, 400 MHz, CDCl₃



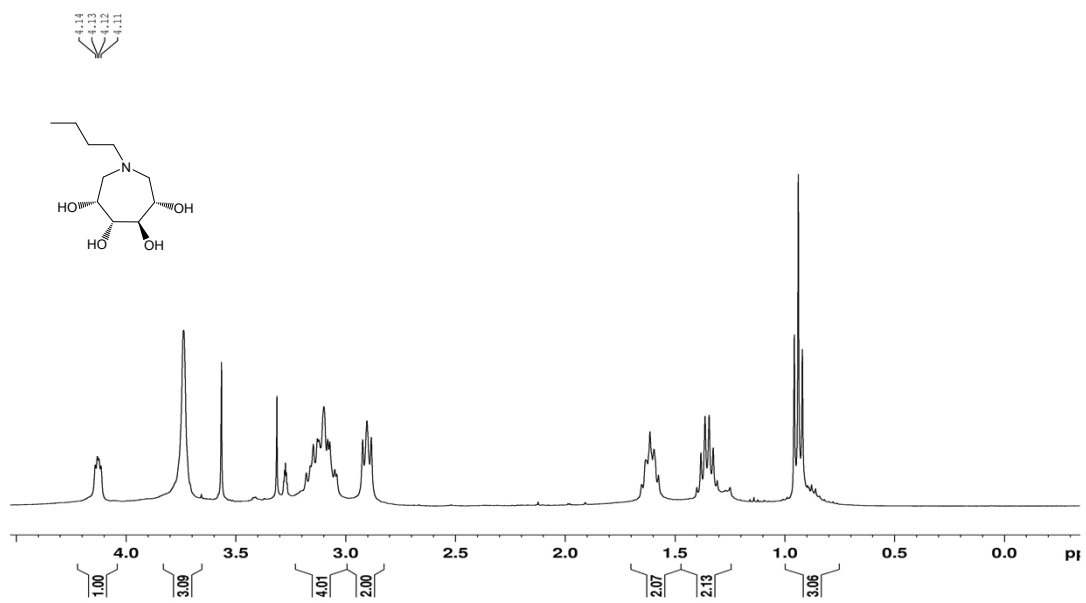
¹³C NMR spectrum of **15c**, 100 MHz, CDCl₃



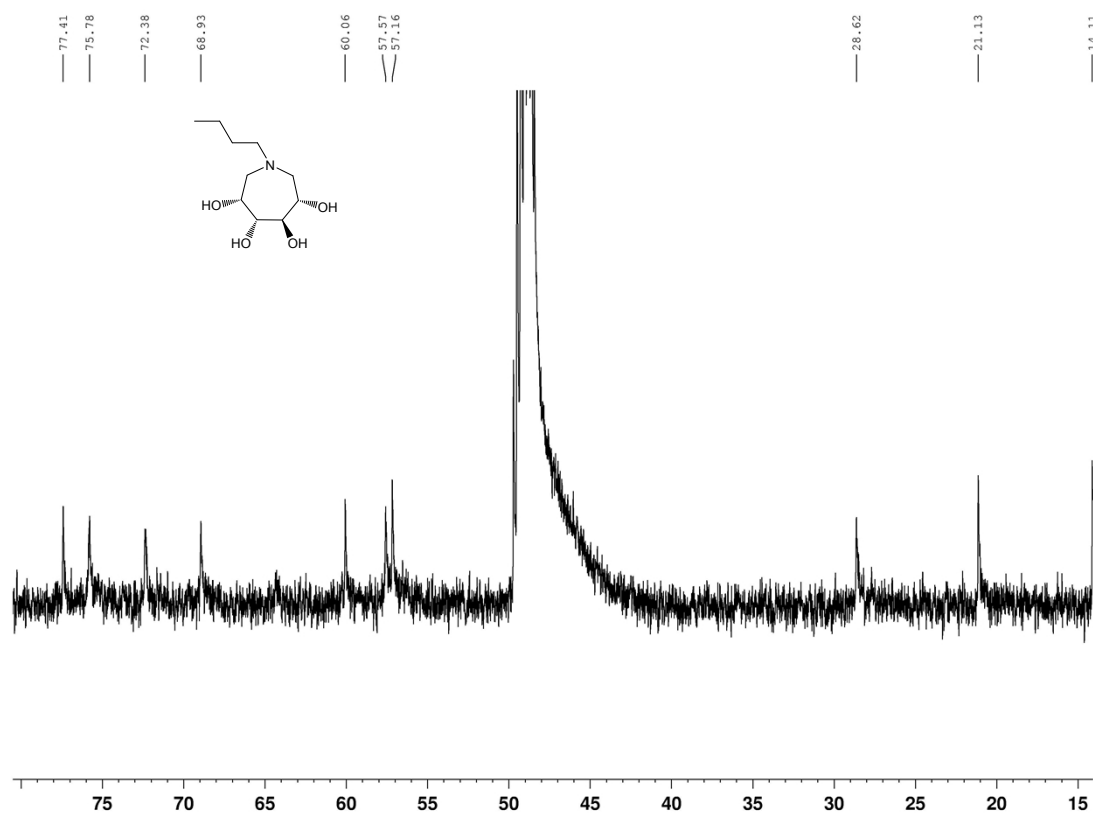
¹H NMR spectrum of **15d**, 400 MHz, CDCl₃



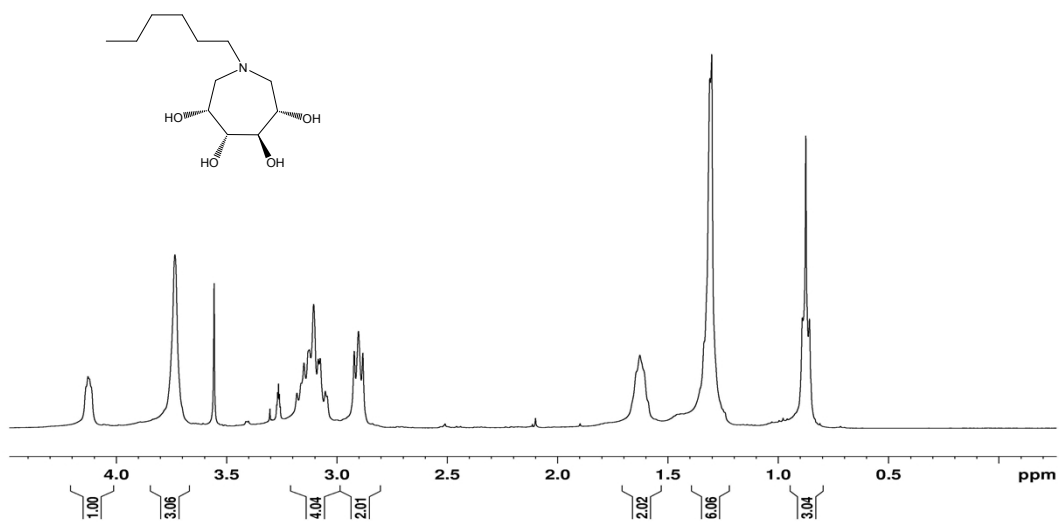
¹³C NMR spectrum of **15d**, 100 MHz, CDCl₃



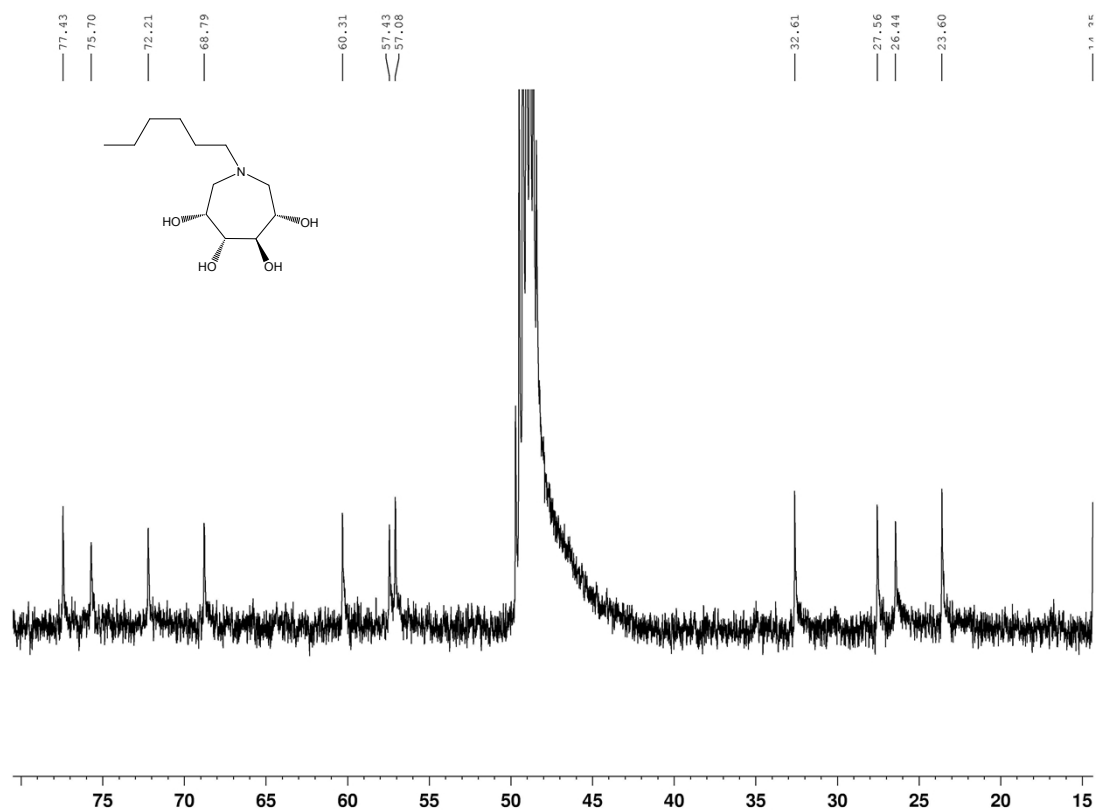
^1H NMR spectrum of **16a**, 400 MHz, CD_3OD



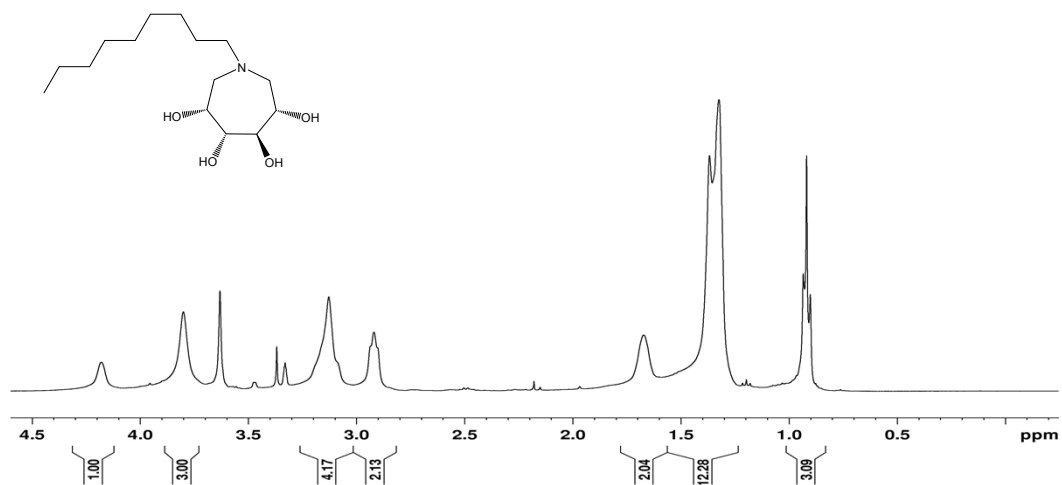
^{13}C NMR spectrum of **16a**, 100 MHz, CD_3OD



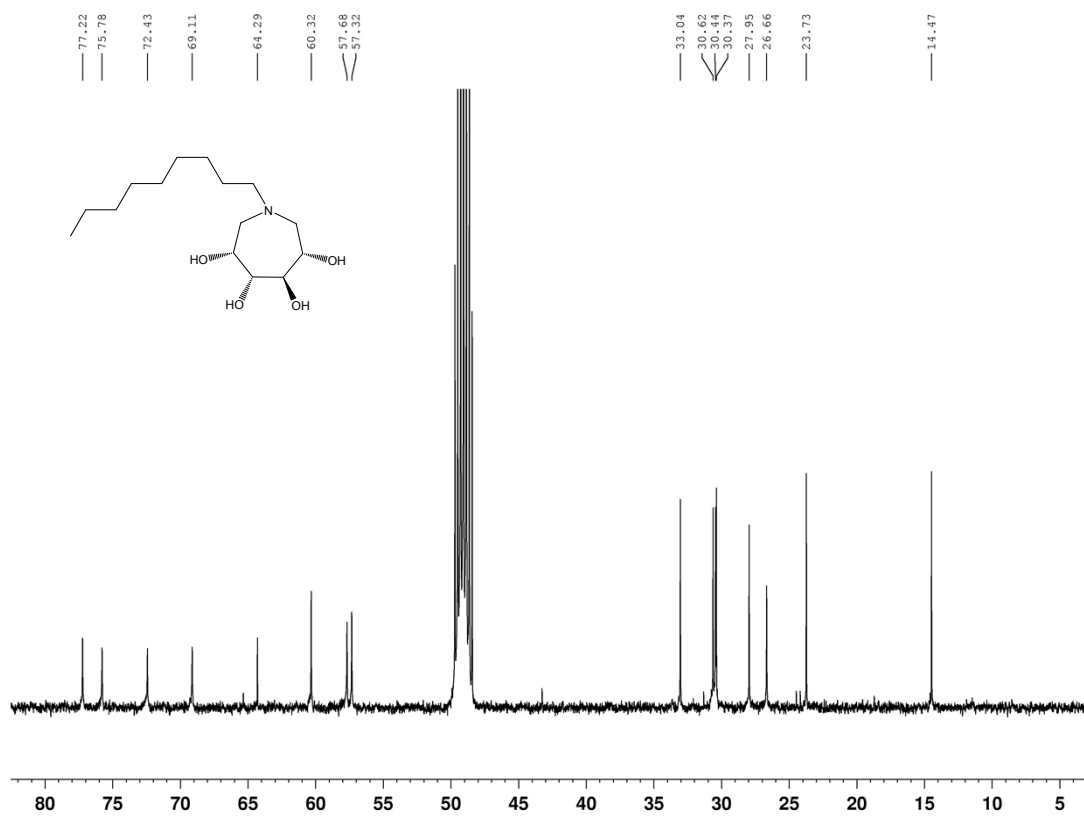
^1H NMR spectrum of **16b**, 400 MHz, CD_3OD



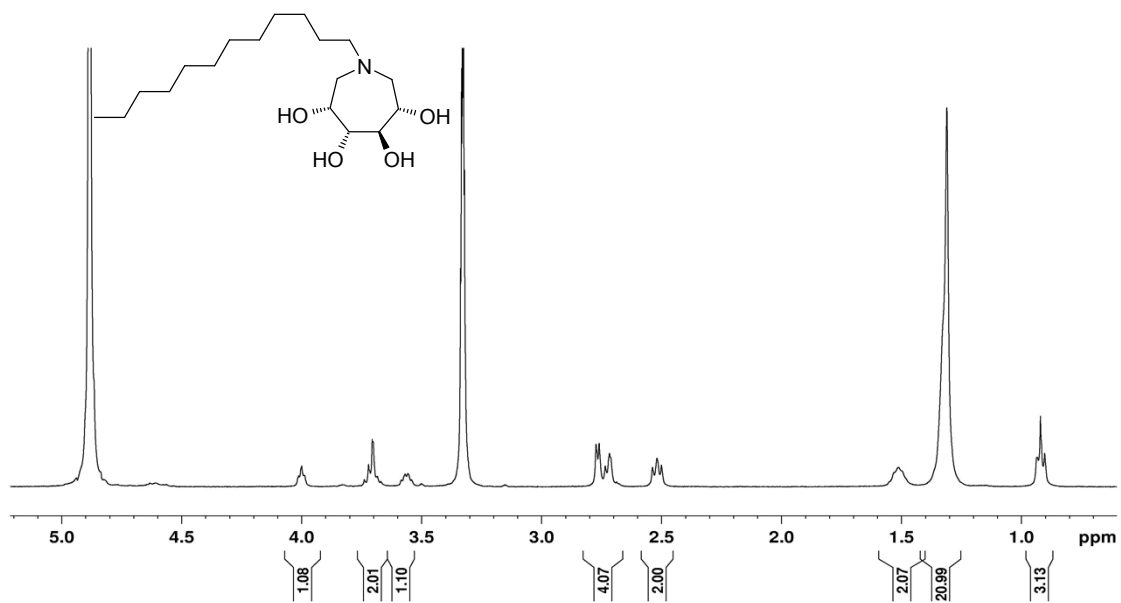
^{13}C NMR spectrum of **16b**, 100 MHz, CD_3OD



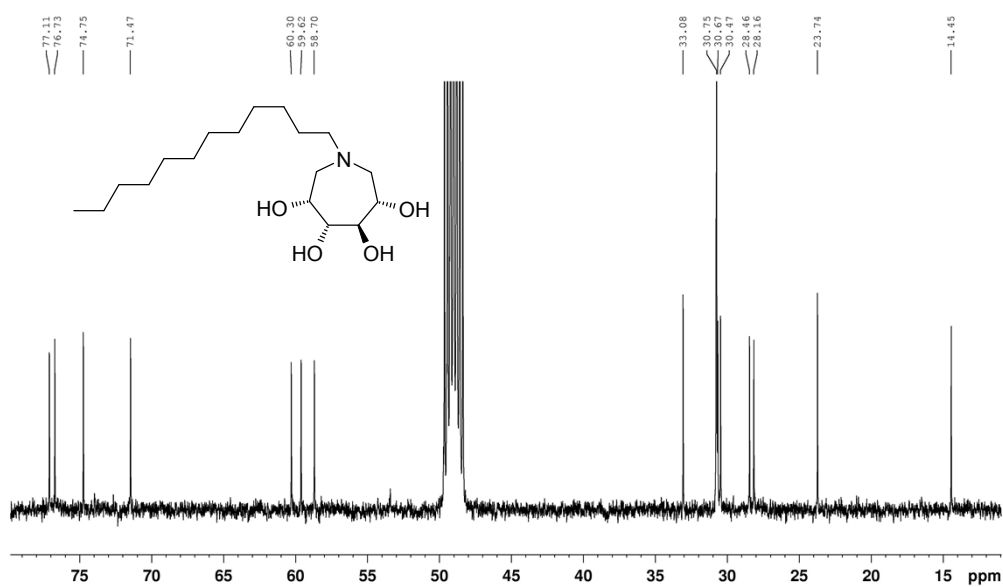
^1H NMR spectrum of **16c**, 400 MHz, CD_3OD



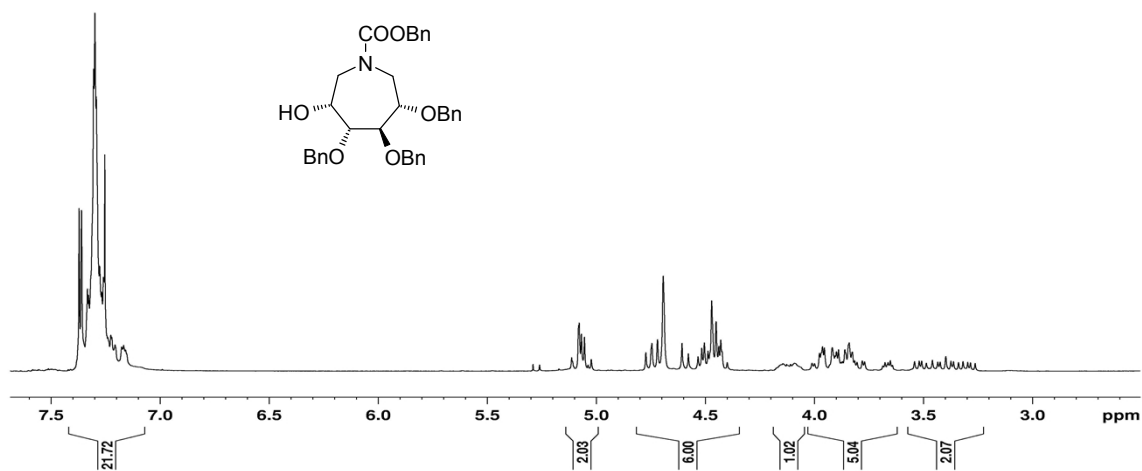
^{13}C NMR spectrum of **16c**, 100 MHz, CD_3OD



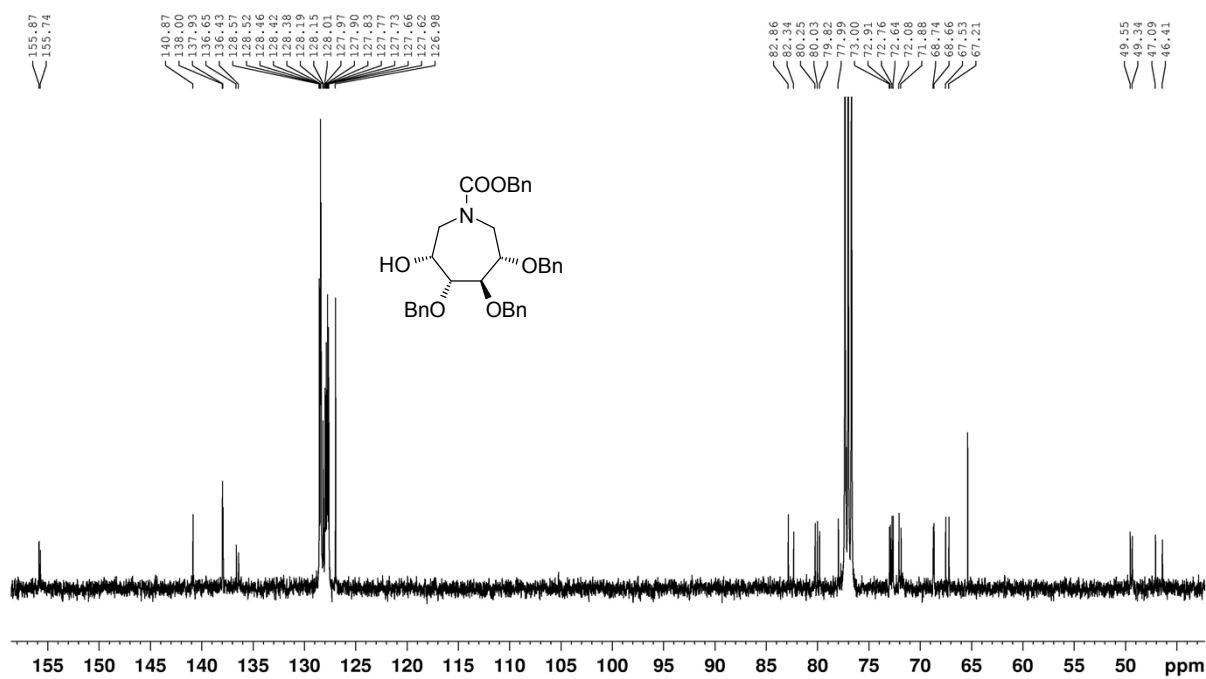
^1H NMR spectrum of **16d**, 400 MHz, CD_3OD



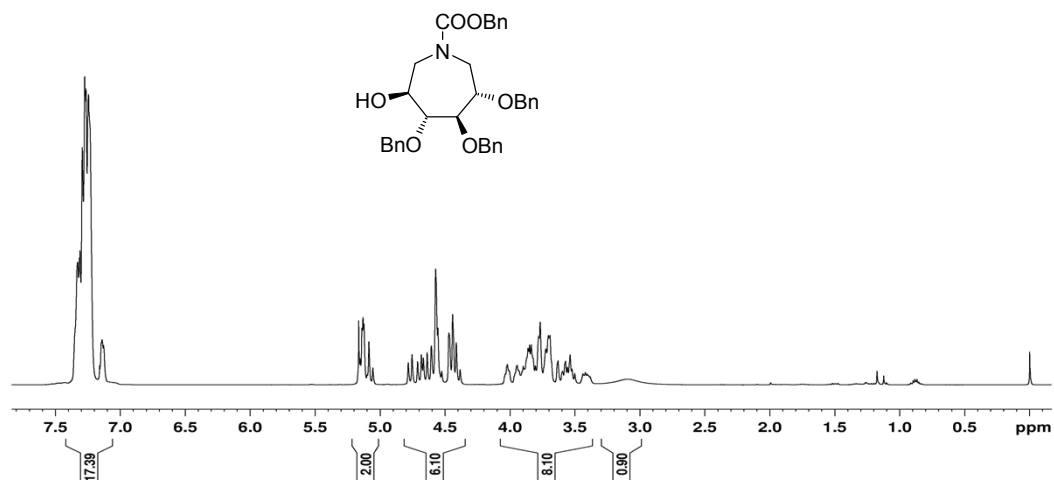
^{13}C NMR spectrum of **16d**, 100 MHz, CD_3OD



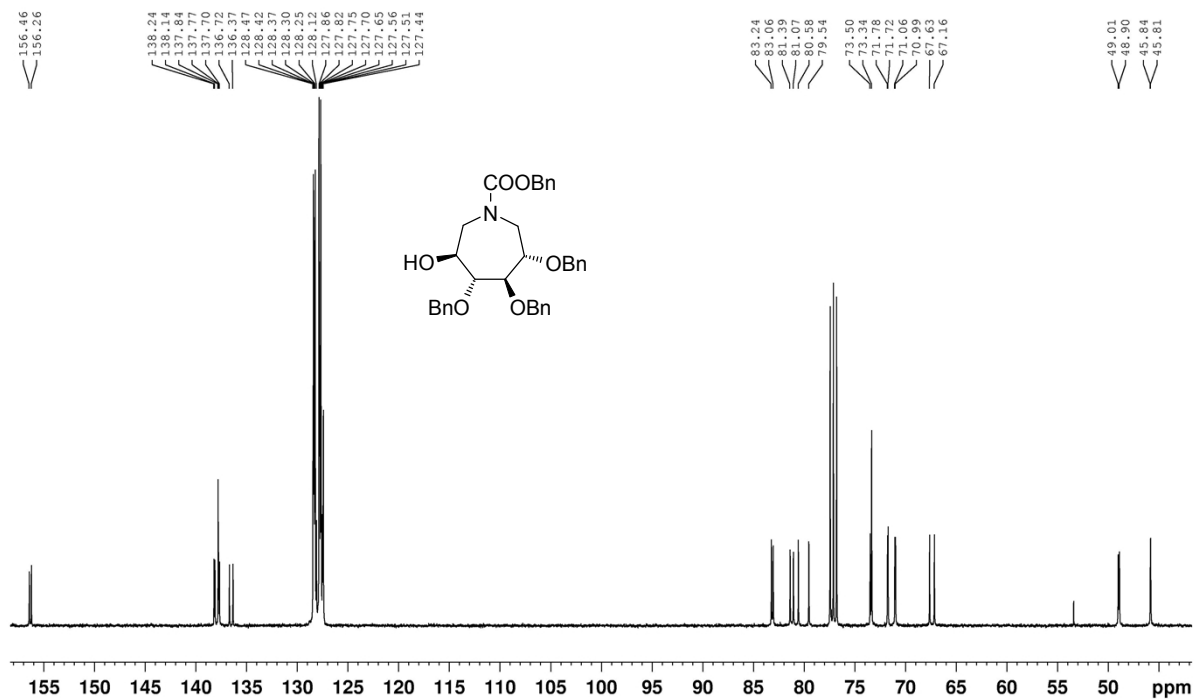
^1H NMR spectrum of **17**, 400 MHz, CDCl_3



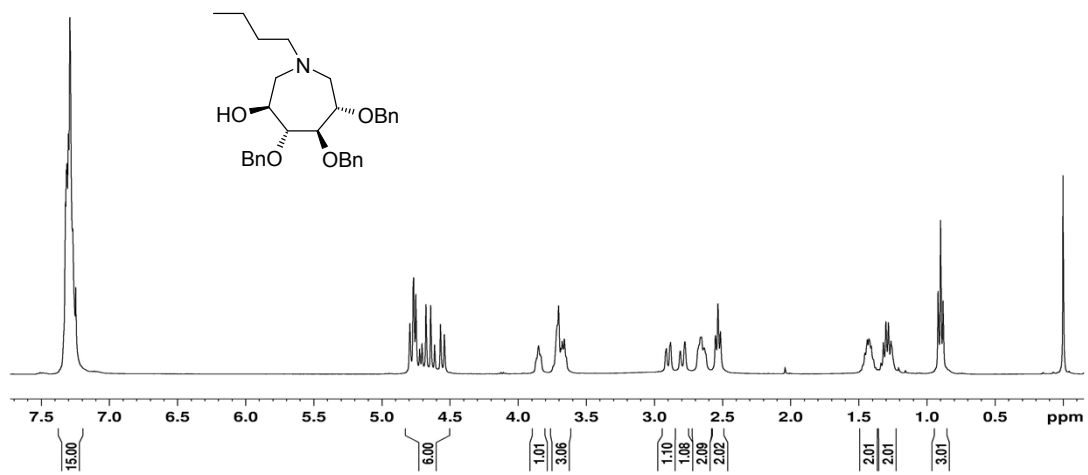
^{13}C NMR spectrum of **17**, 100 MHz, CDCl_3



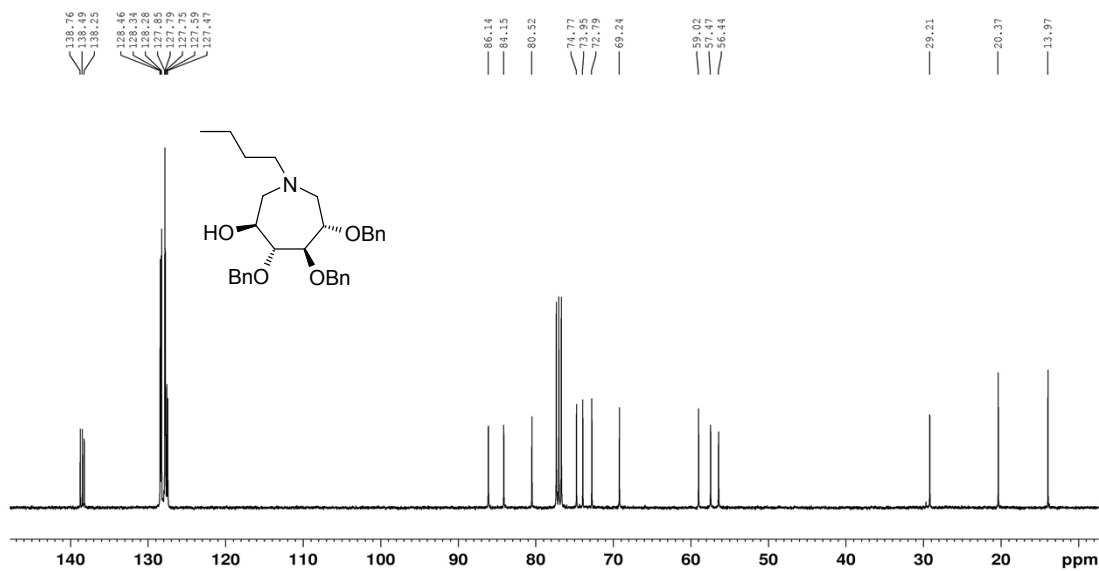
¹H NMR spectrum of **18**, 400 MHz, CDCl₃



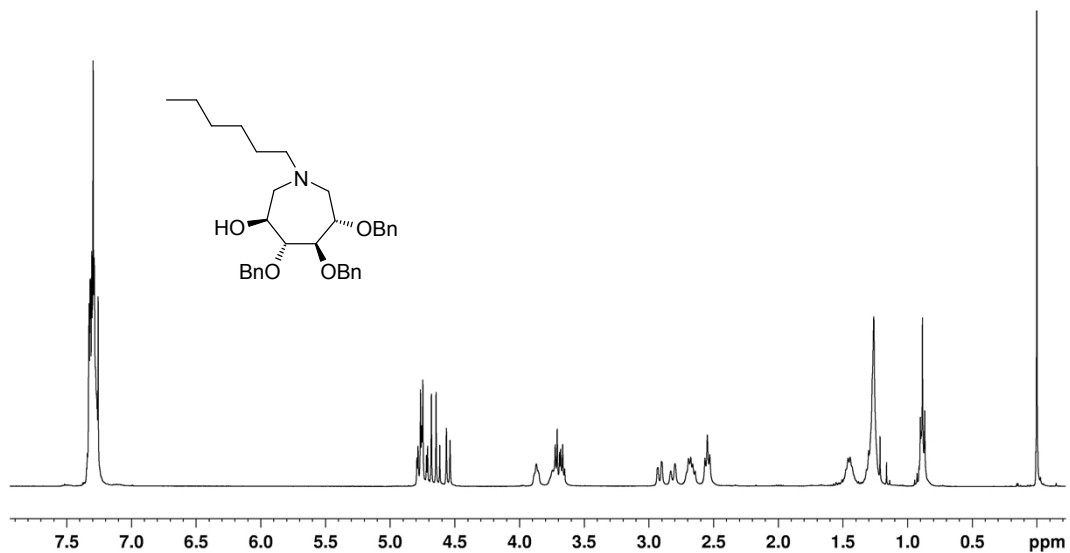
¹³C NMR spectrum of **18**, 100 MHz, CDCl₃



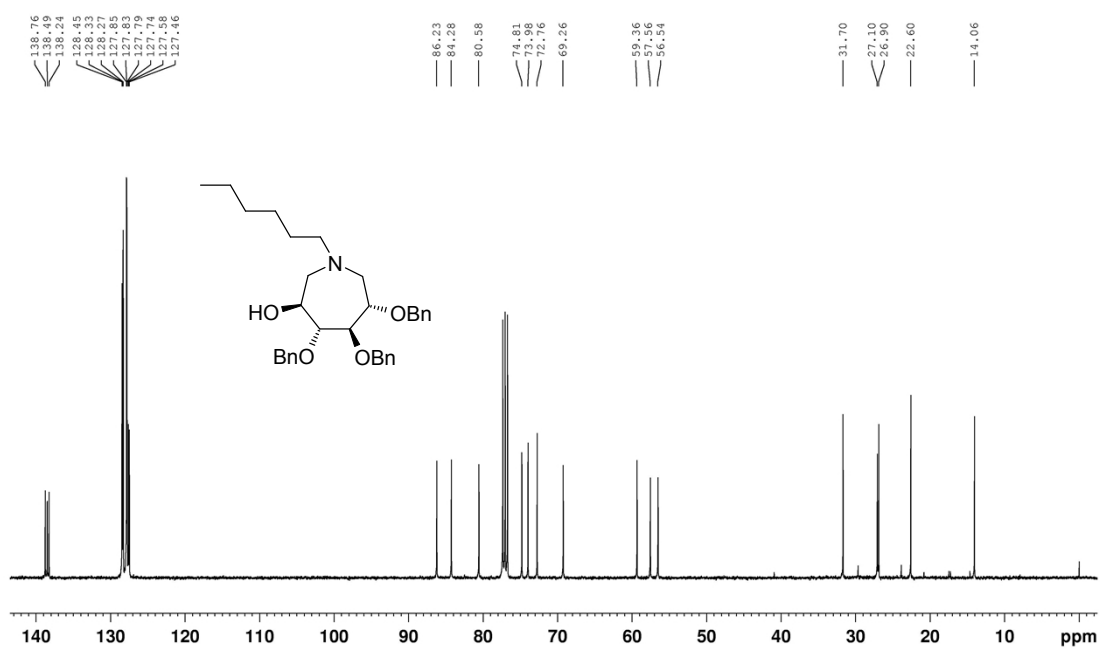
^1H NMR spectrum of **19a**, 400 MHz, CDCl_3



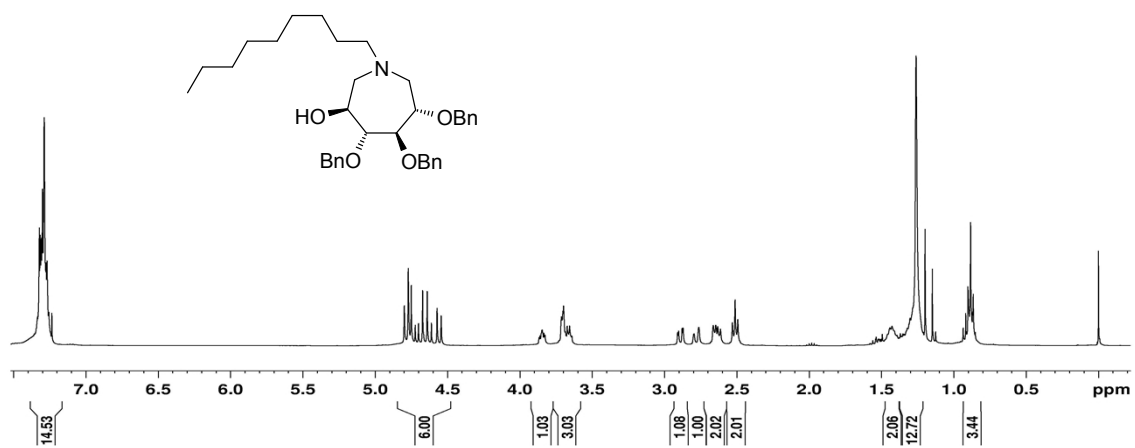
^{13}C NMR spectrum of **19a**, 100 MHz, CDCl_3



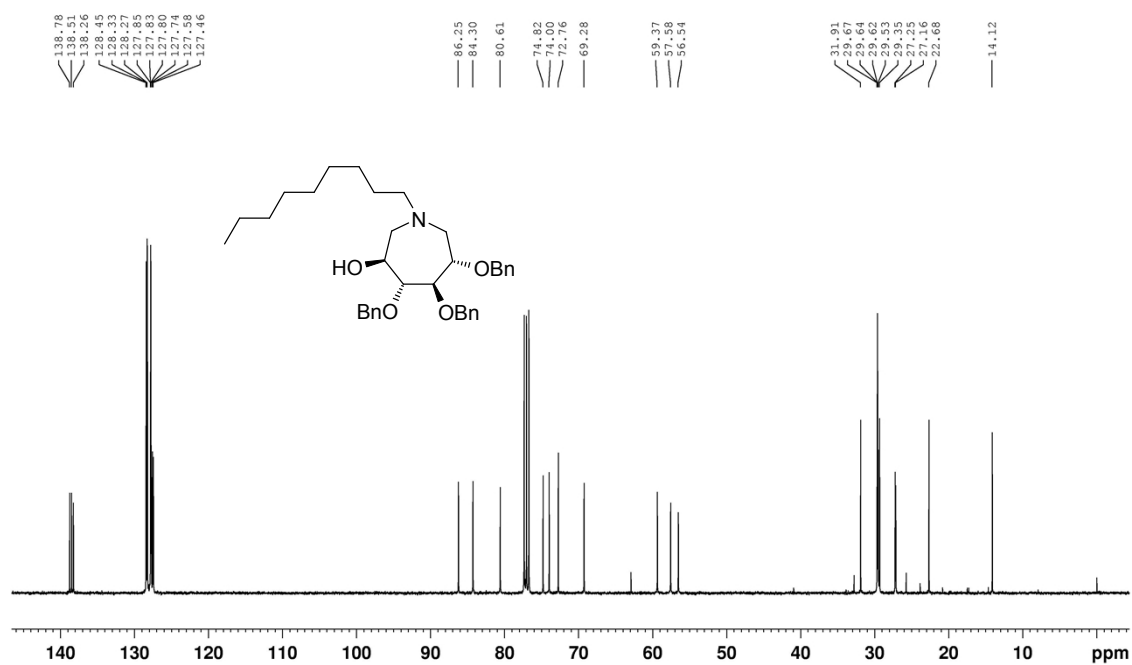
^1H NMR spectrum of **19b**, 400 MHz, CDCl_3



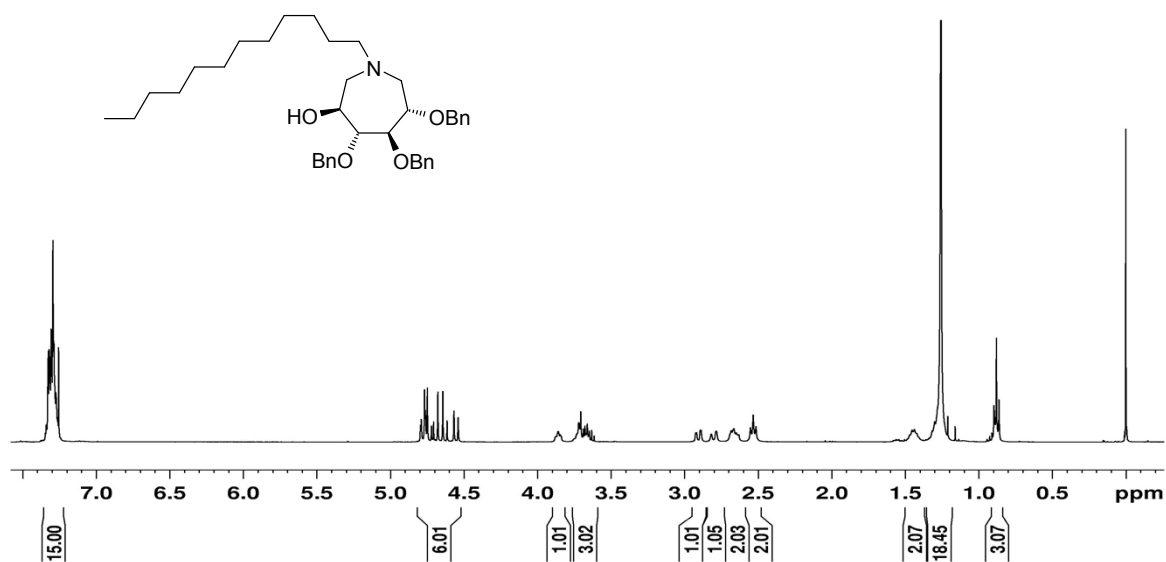
^{13}C NMR spectrum of **19b**, 100 MHz, CDCl_3



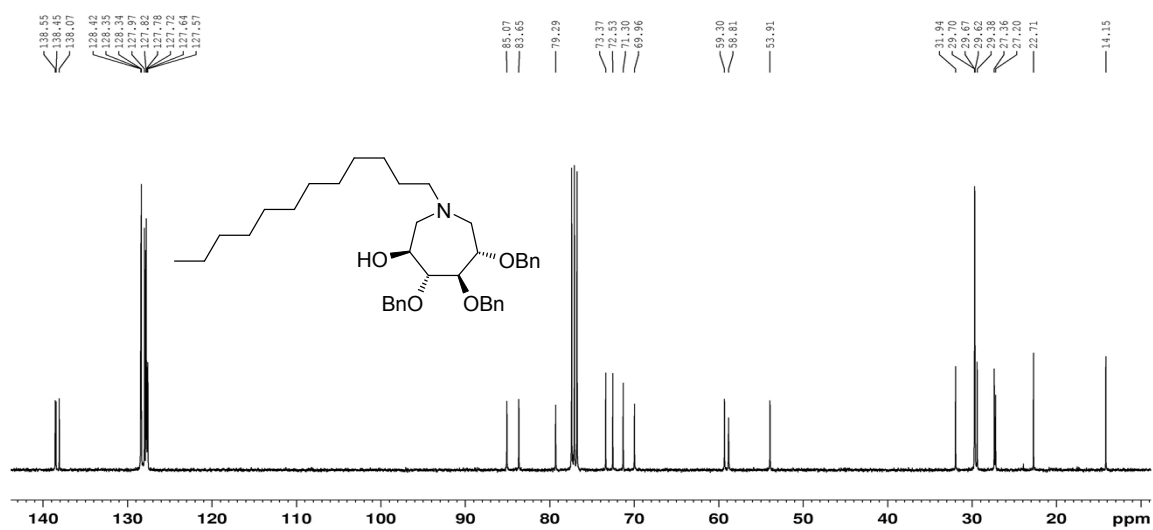
^1H NMR spectrum of **19c**, 400 MHz, CDCl_3



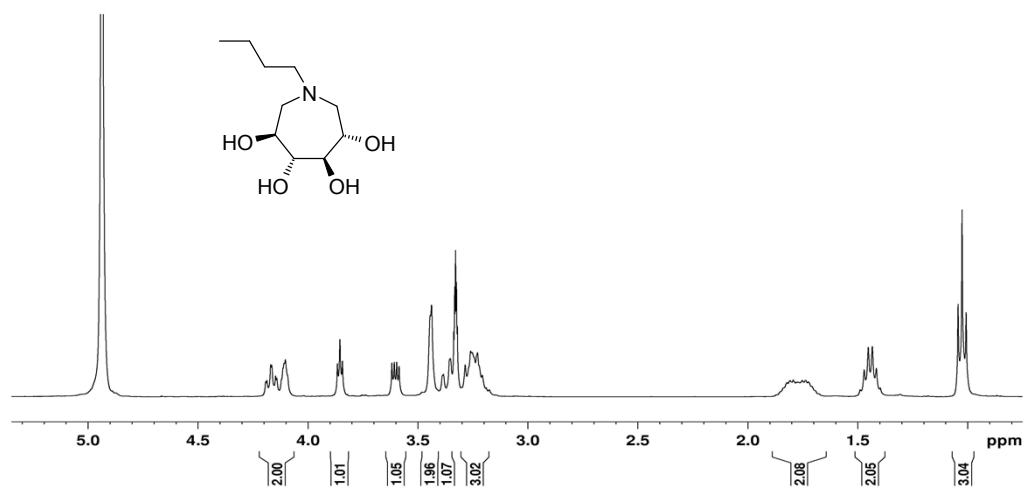
^{13}C NMR spectrum of **19c**, 100 MHz, CDCl_3



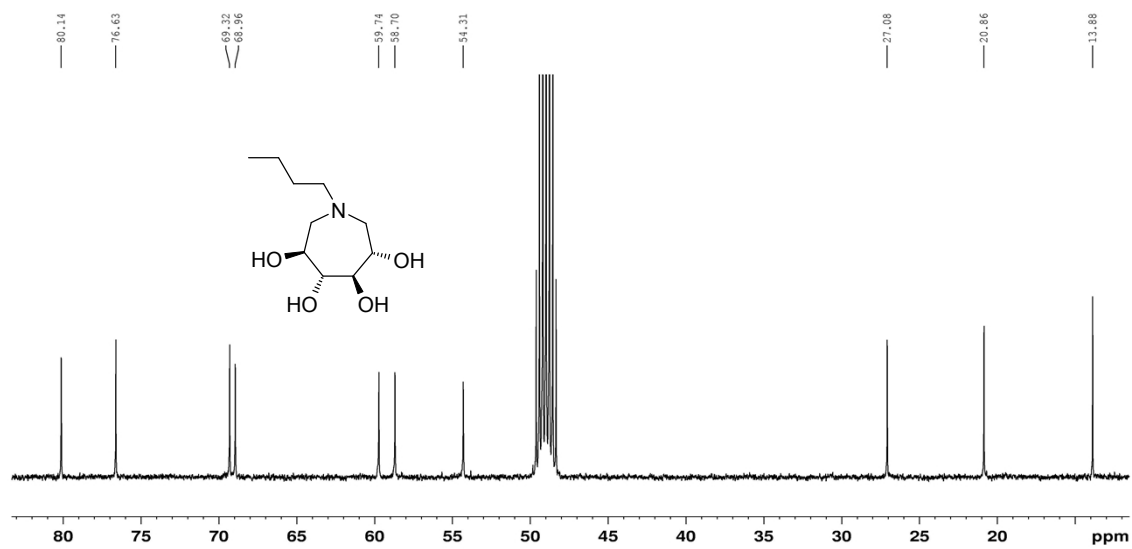
^1H NMR spectrum of **19d**, 400 MHz, CDCl_3



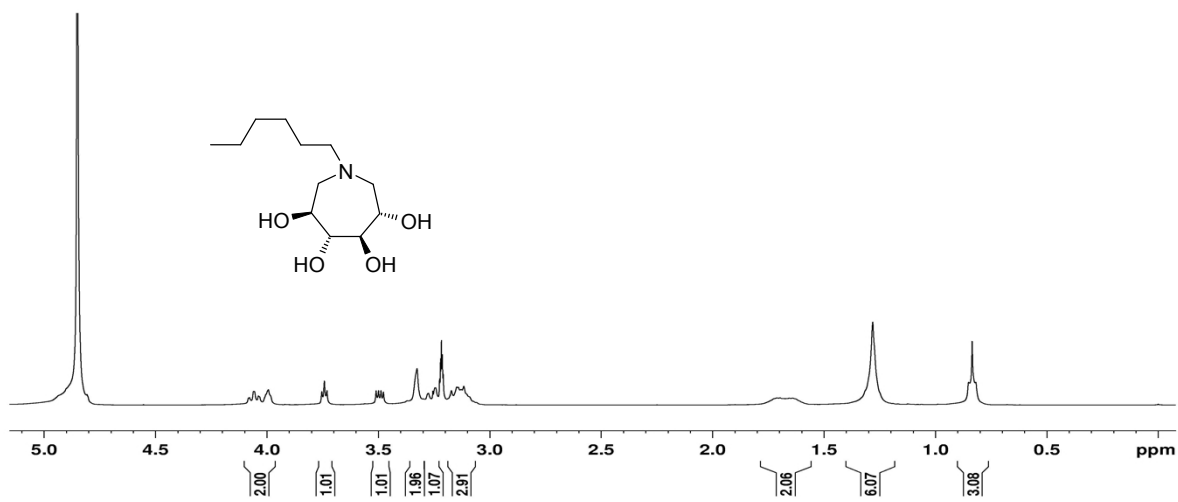
^{13}C NMR spectrum of **19d**, 100 MHz, CDCl_3



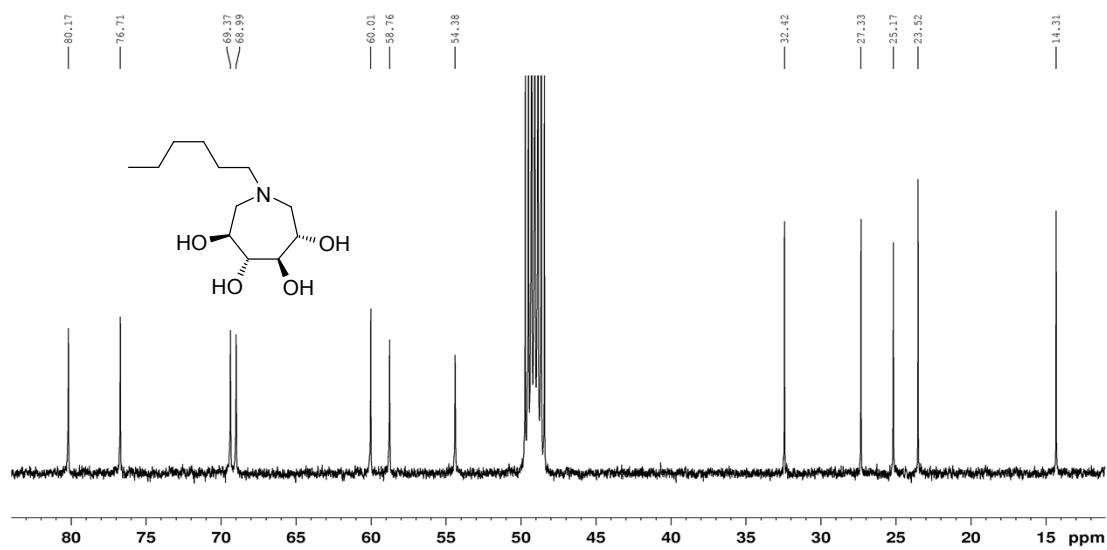
^1H NMR spectrum of **20a**, 400 MHz, CD_3OD



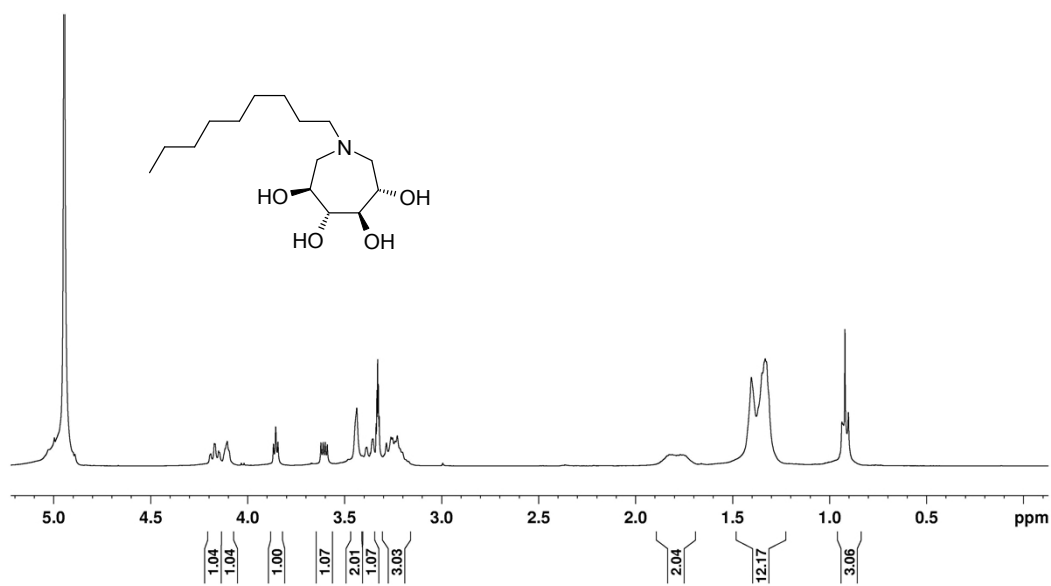
^{13}C NMR spectrum of **20a**, 100 MHz, CD_3OD



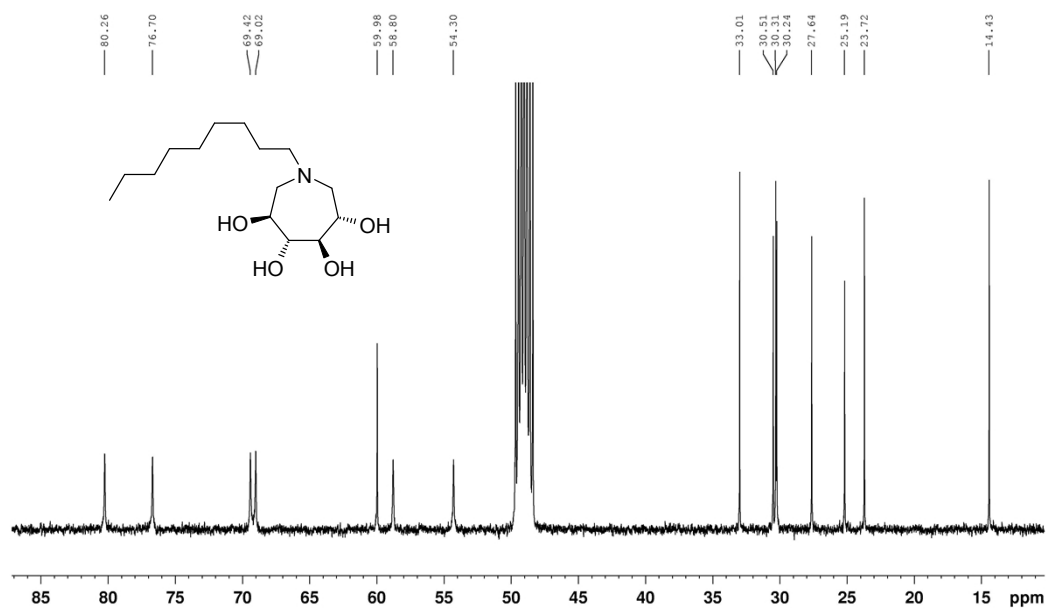
^1H NMR spectrum of **20b**, 400 MHz, CD_3OD



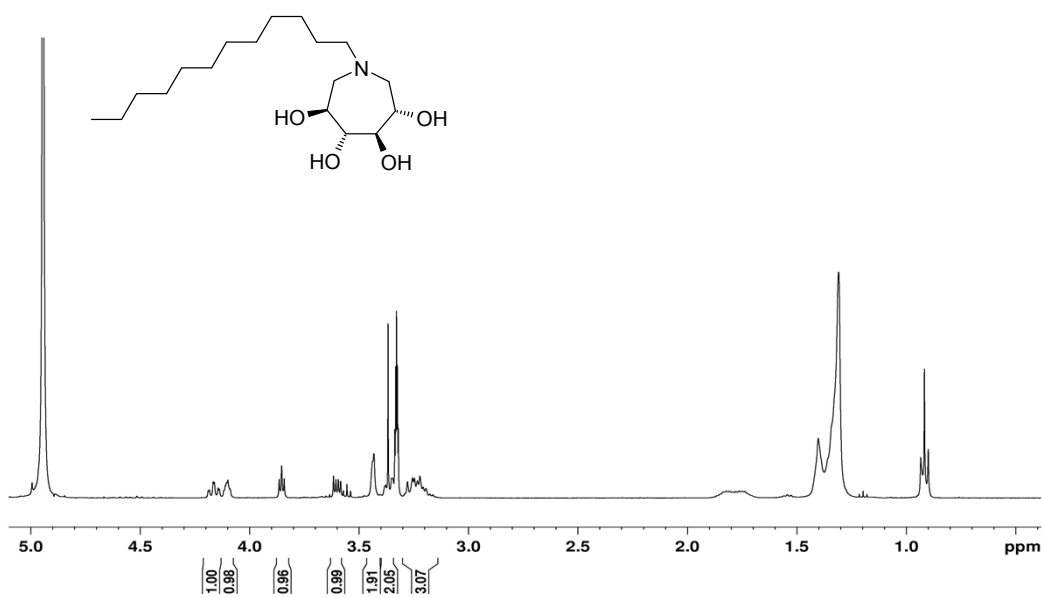
^{13}C NMR spectrum of **20b**, 100 MHz, CD_3OD



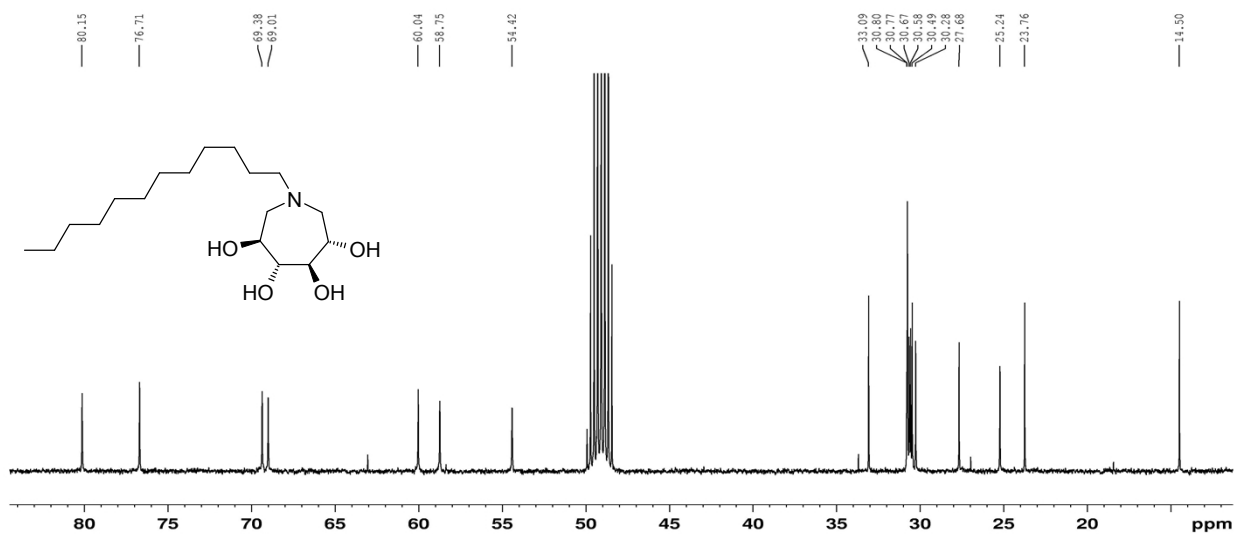
^1H NMR spectrum of **20c**, 400 MHz, CD_3OD



^{13}C NMR spectrum of **20c**, 100 MHz, CD_3OD



^1H NMR spectrum of **20d**, 400 MHz, CD_3OD



^{13}C NMR spectrum of **20d**, 100 MHz, CD_3OD