Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Cyclodextrin-scaffolded amphiphilic aminoglucoside clusters: Self-assembling and gene delivery capabilities

Eva M. Aguilar Moncayo, Nicolas Guilloteau, Celine Bienvenu, José L. Jiménez-Blanco,* Christophe Di Giorgio,* Pierre Vierling, Juan M. Benito, Carmen Ortiz Mellet and José M. García Fernández

Supporting information

Contents:

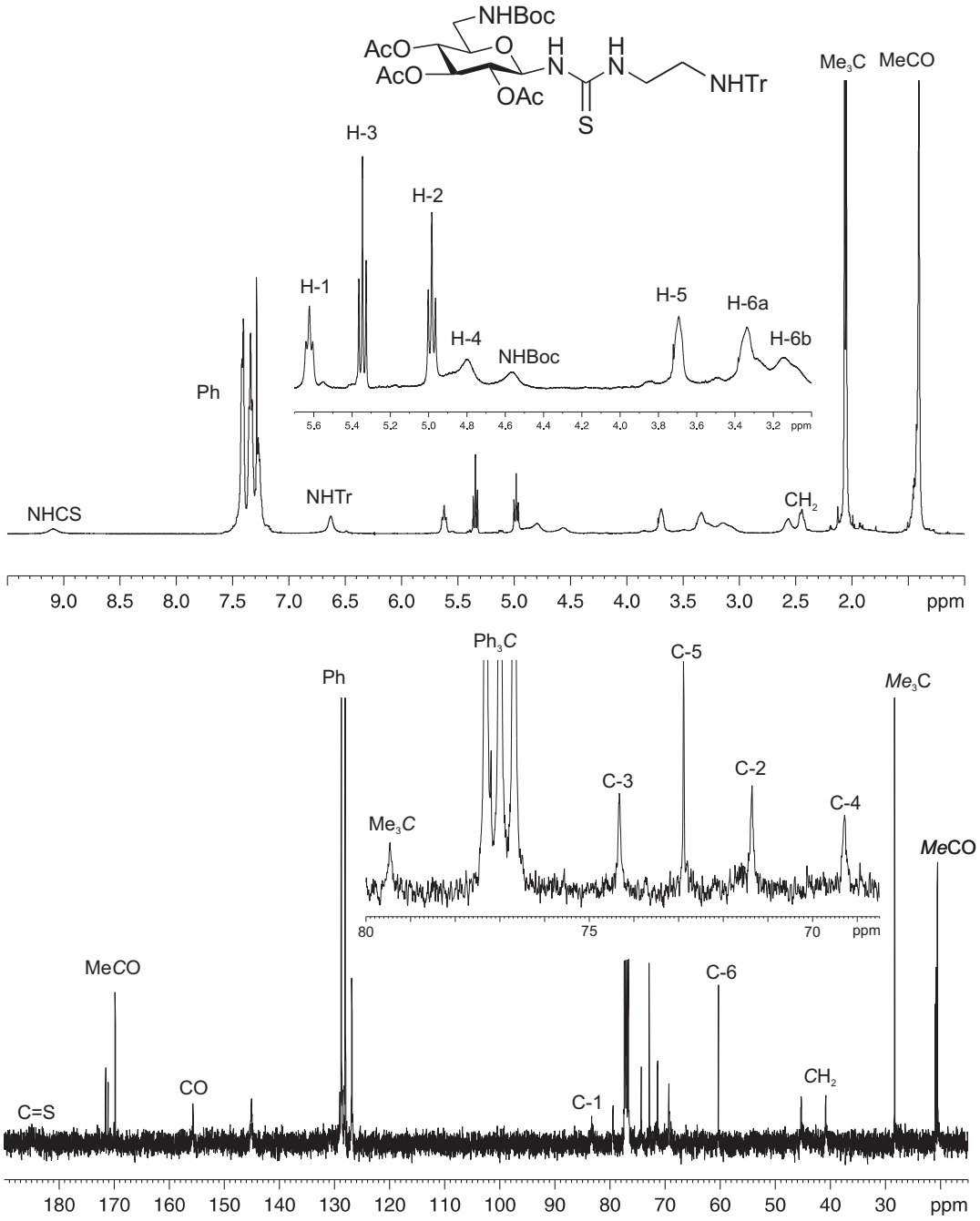

Figure S1. ^{1}H and ^{13}C NMR (500 and 125.7 MHz, respectively, $CDCl_3$) spectra of compound **8**.

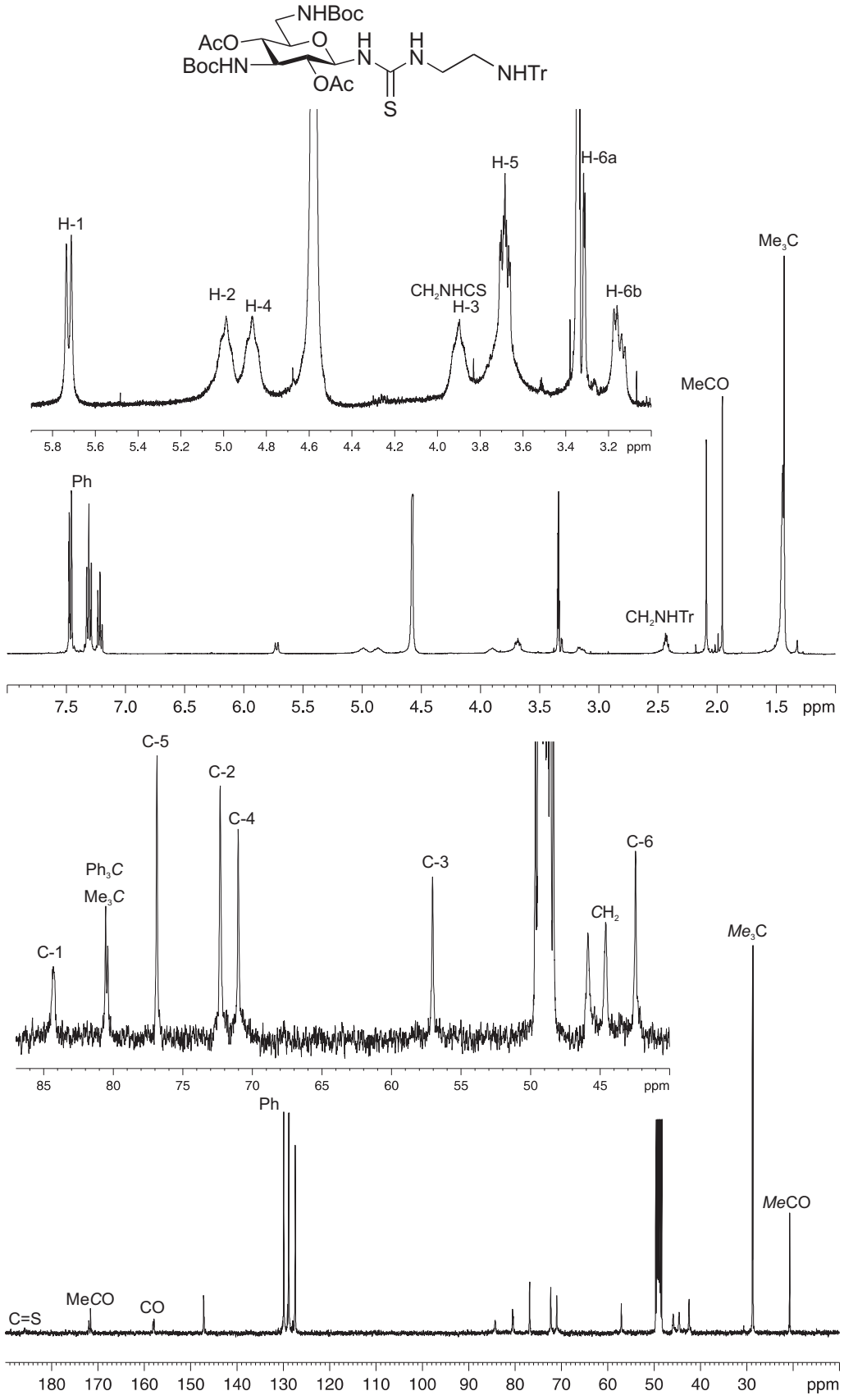

Figure S2. ^{1}H (400 MHz, 323 K, CD_3OD) and ^{13}C NMR (100.6 MHz, 313 K, CD_3OD) spectra of compound **9**.

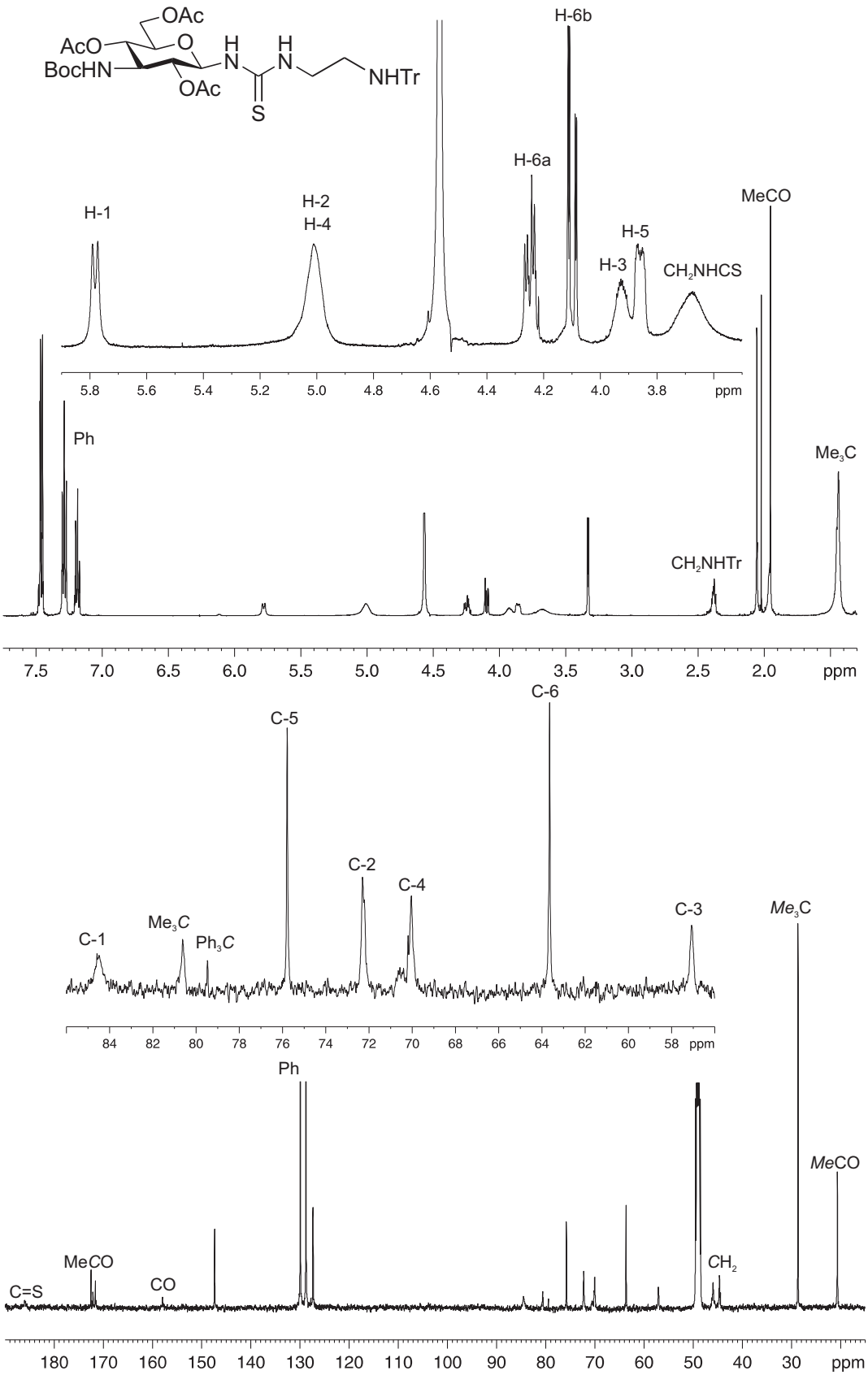

Figure S3. ^{1}H (500 MHz, 323 K, CD_3OD) and ^{13}C NMR (125.7 MHz, 323 K, CD_3OD) spectra of compound **10**.

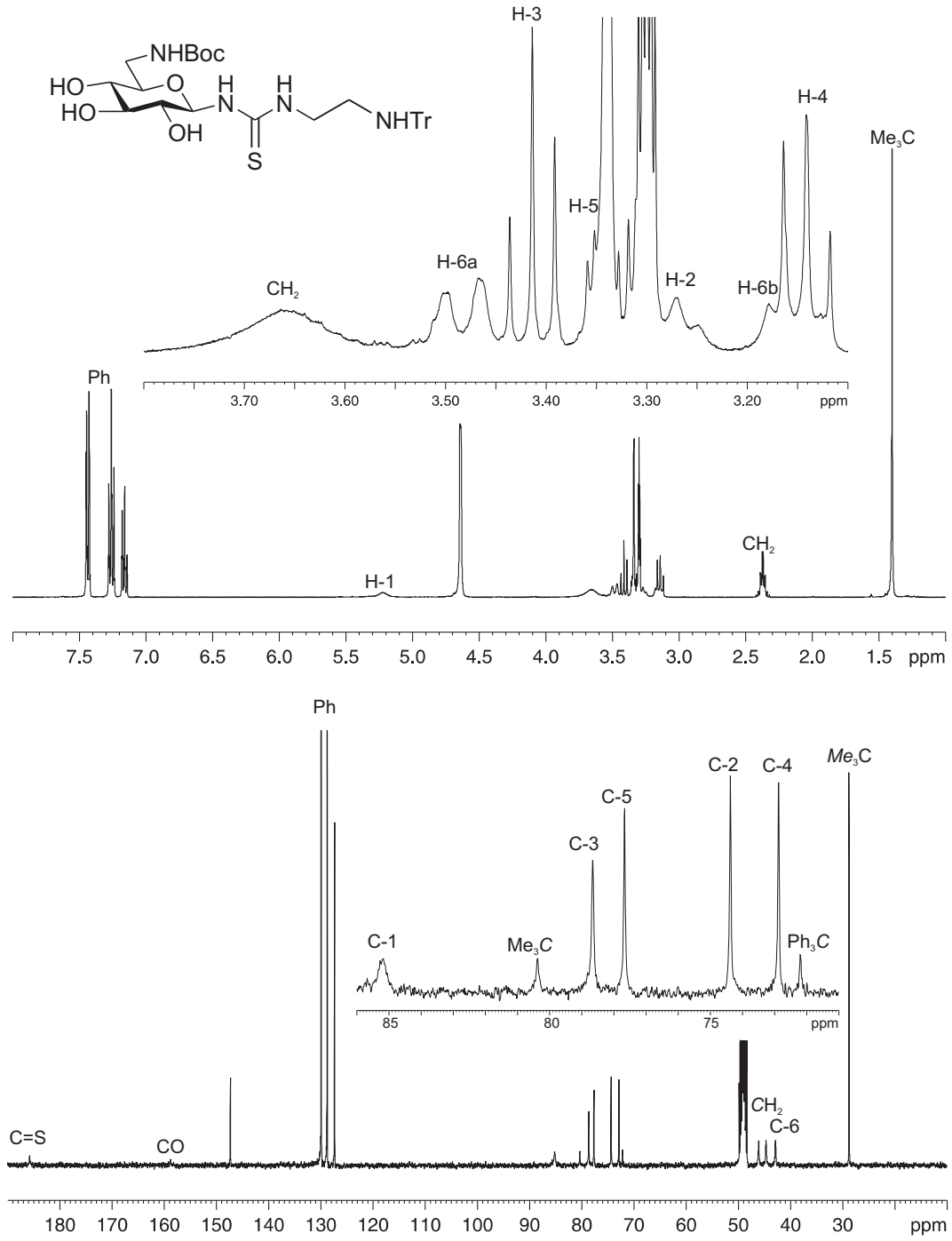

Figure S4. ^{1}H and ^{13}C NMR (400 and 100.6 MHz, respectively, MeOD, 313 K) spectra of compound **11**.

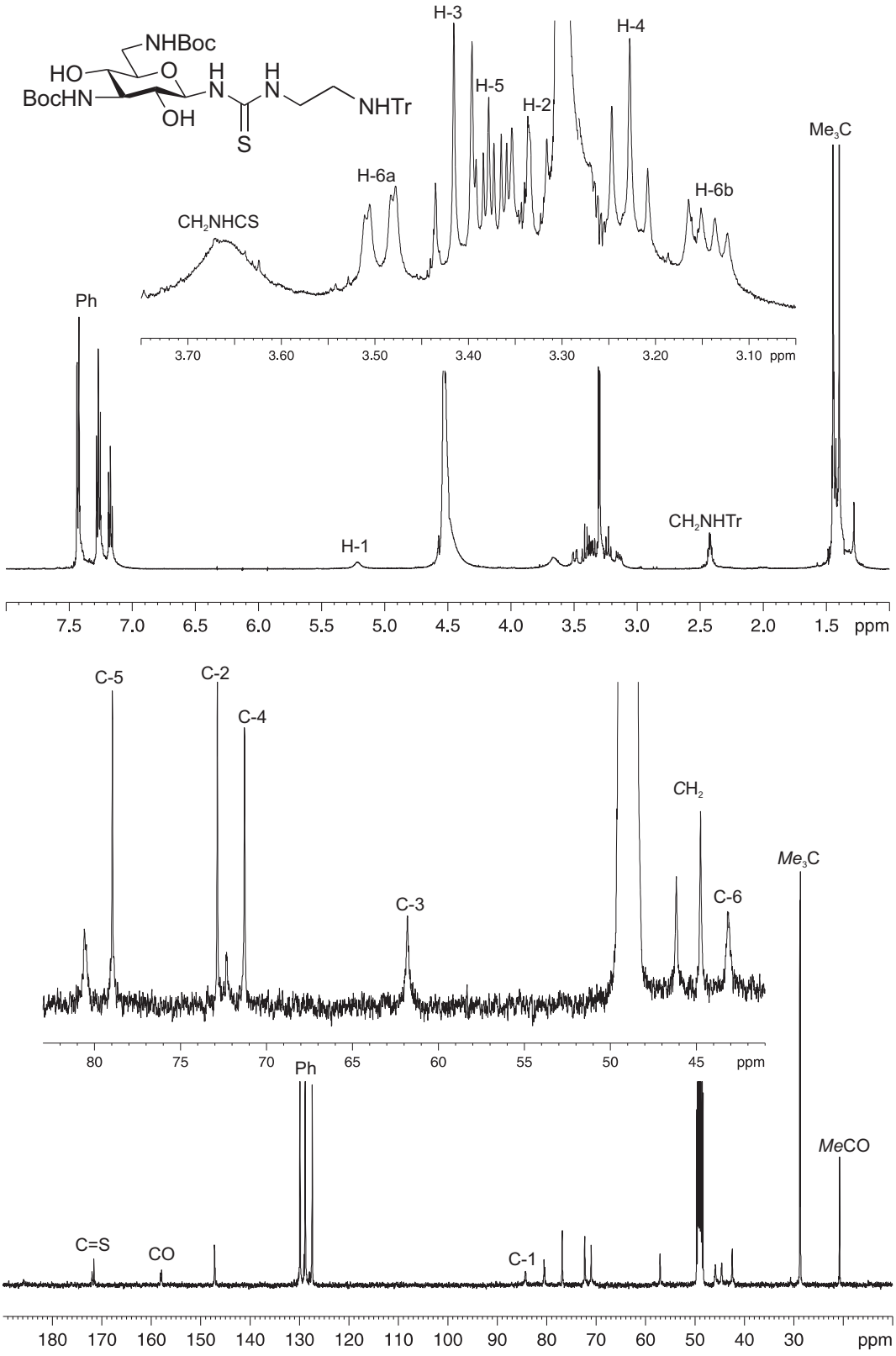

Figure S5. ^{1}H (500 MHz, 313 K, CD_3OD) and ^{13}C NMR (125.7 MHz, 313 K, CD_3OD) spectra of compound **12**.

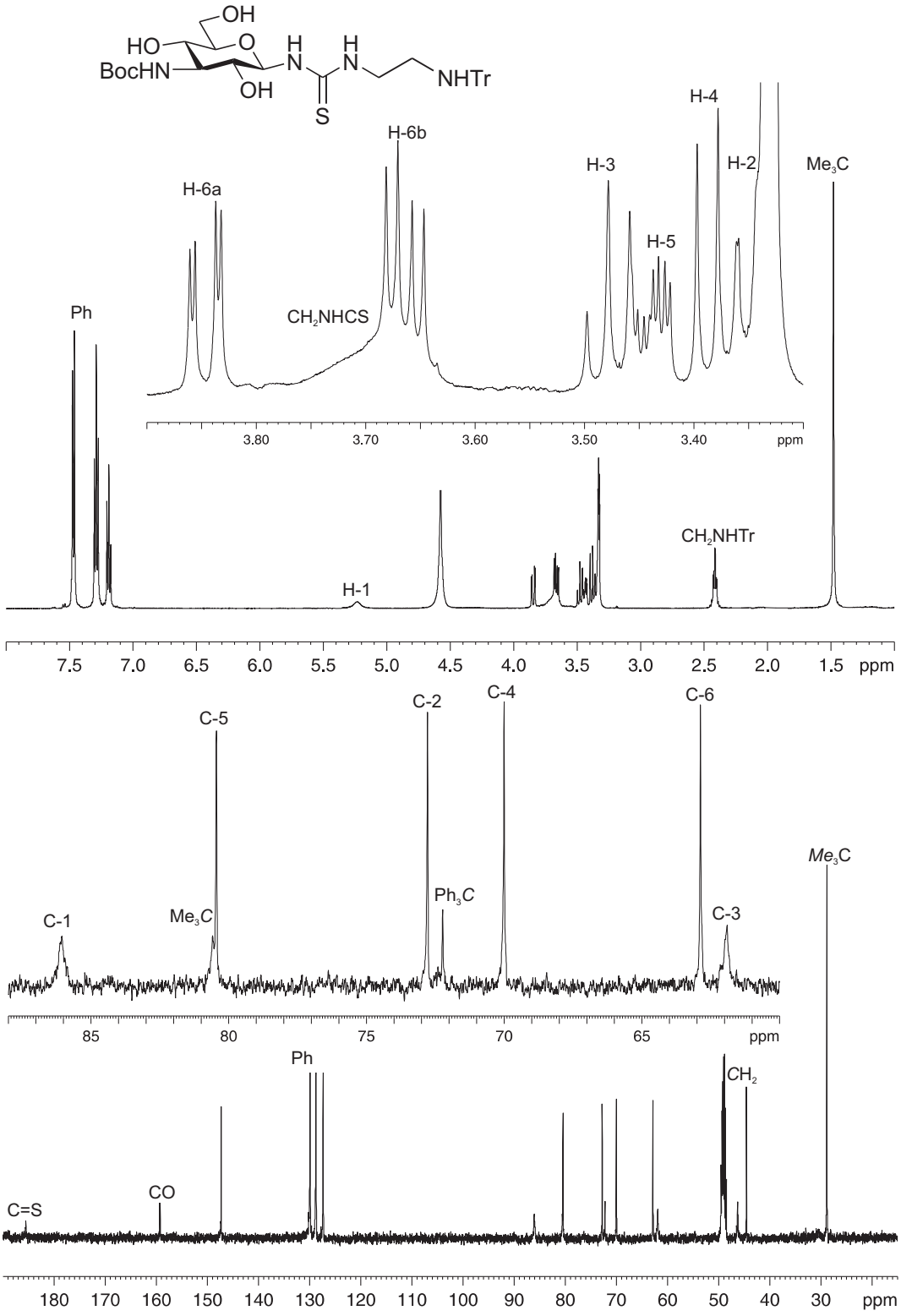

Figure S6. ^{1}H (500 MHz, 323 K, CD_3OD) and ^{13}C NMR (125.7 MHz, 323 K, CD_3OD) spectra of compound **13**.

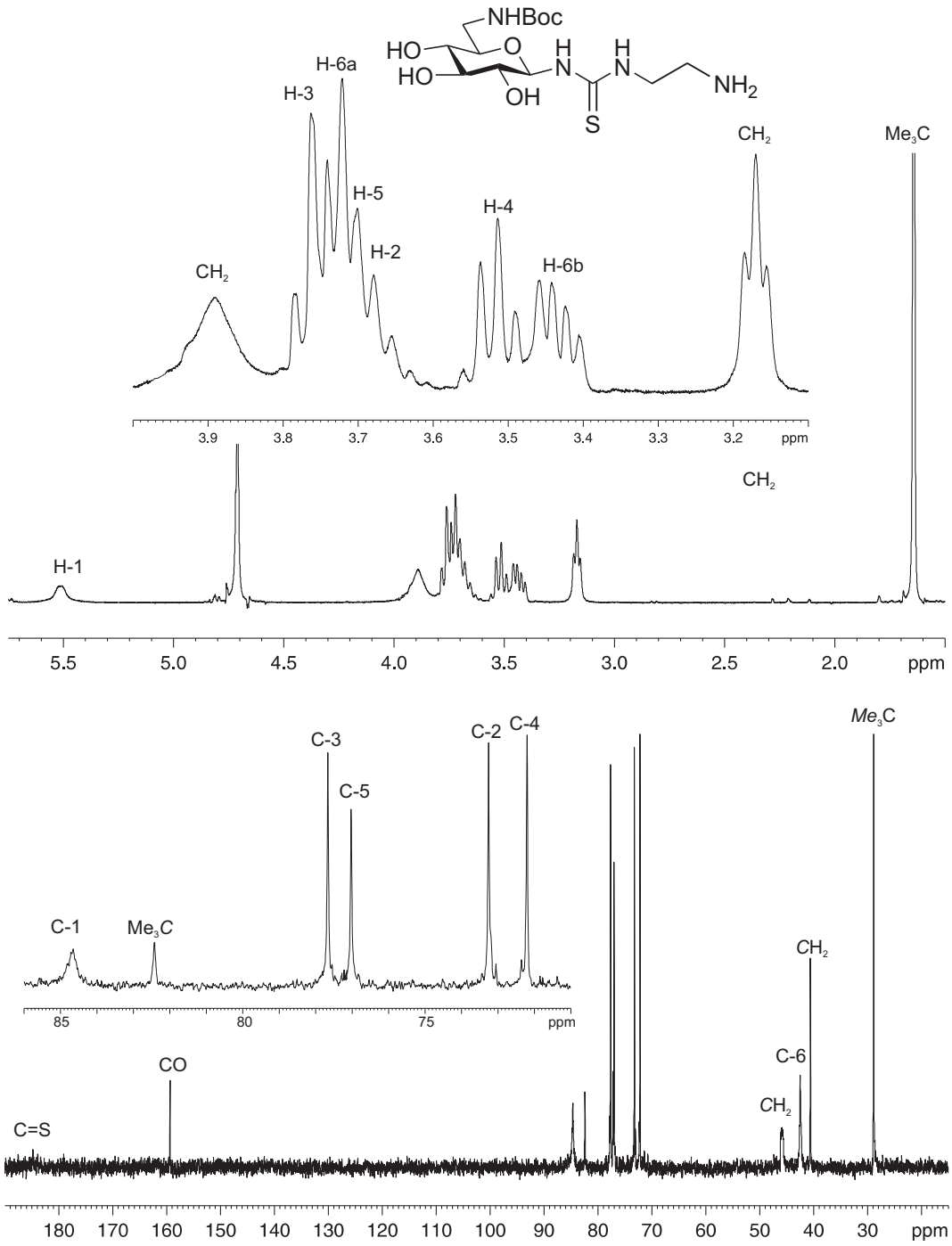

Figure S7. ^{1}H and ^{13}C NMR (400 and 100.6 MHz, respectively, D_2O, 323 K) spectra of compound **14**.

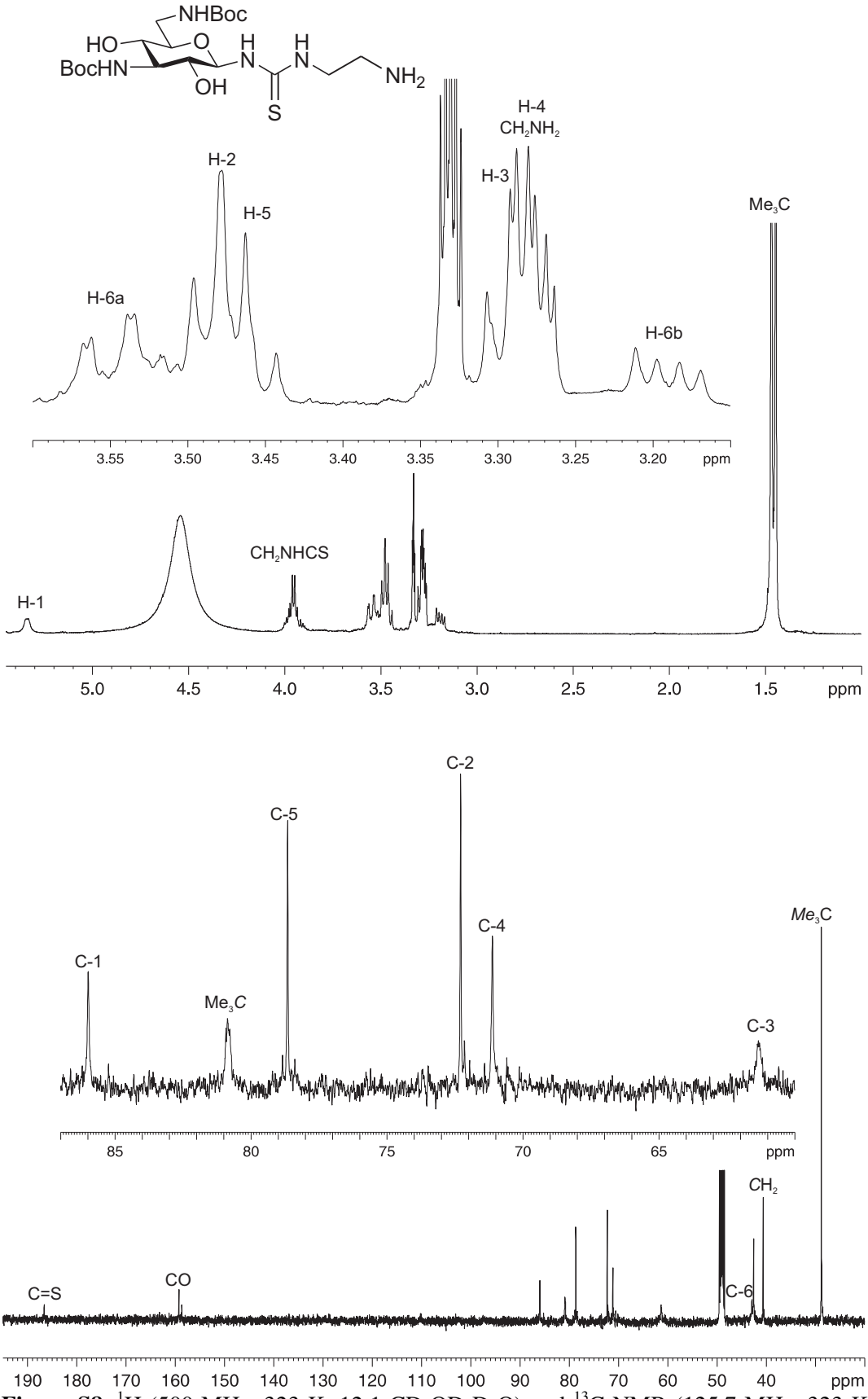

Figure S8. ^{1}H (500 MHz, 323 K, 12:1 CD_3OD-D_2O) and ^{13}C NMR (125.7 MHz, 323 K, 12:1 CD_3OD-D_2O) spectra of compound **15**.

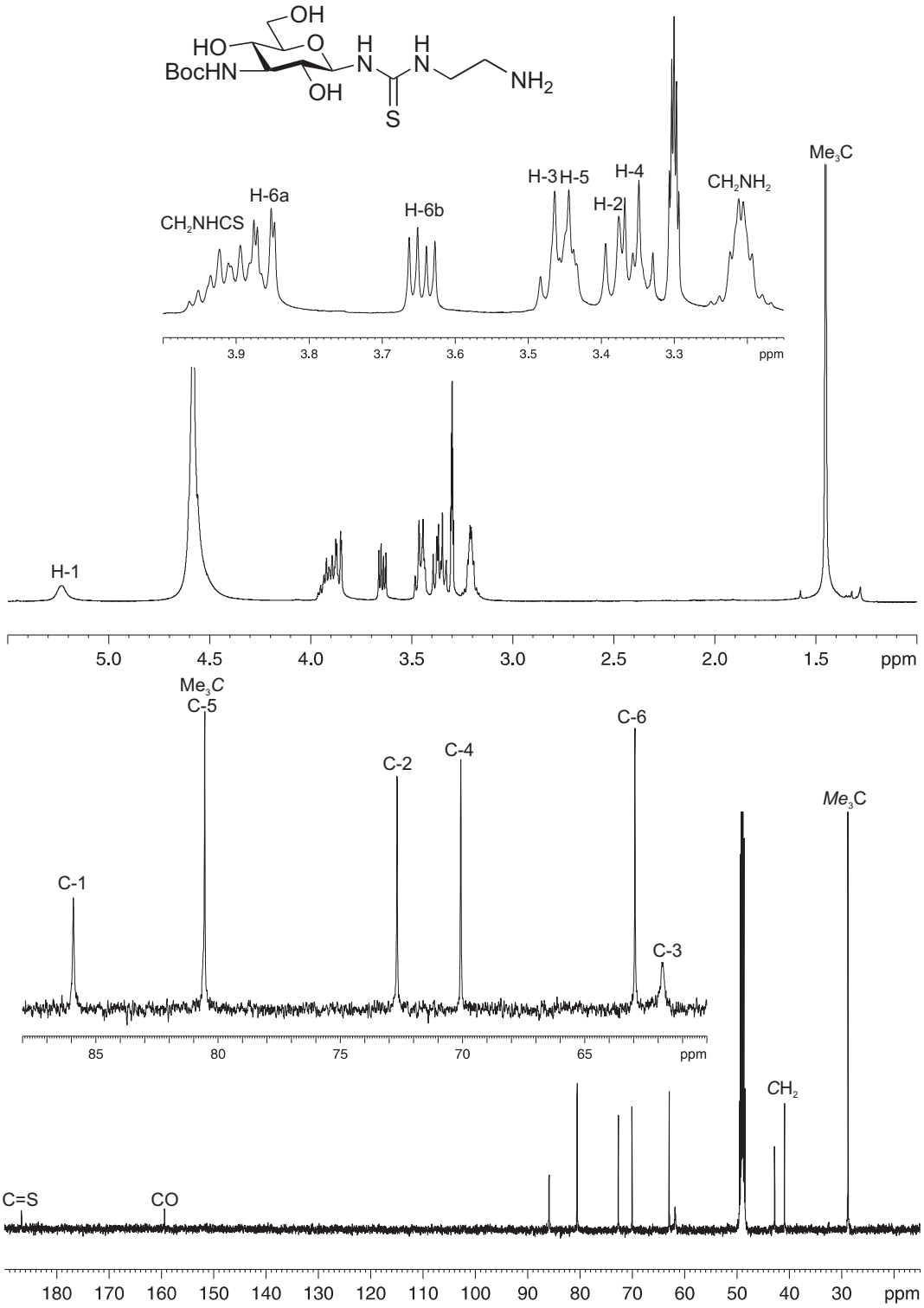

Figure S9. ^{1}H (500 MHz, 323 K, CD_3OD)and ^{13}C NMR (125.7 MHz, 323 K, CD_3OD) spectra of compound **16**.

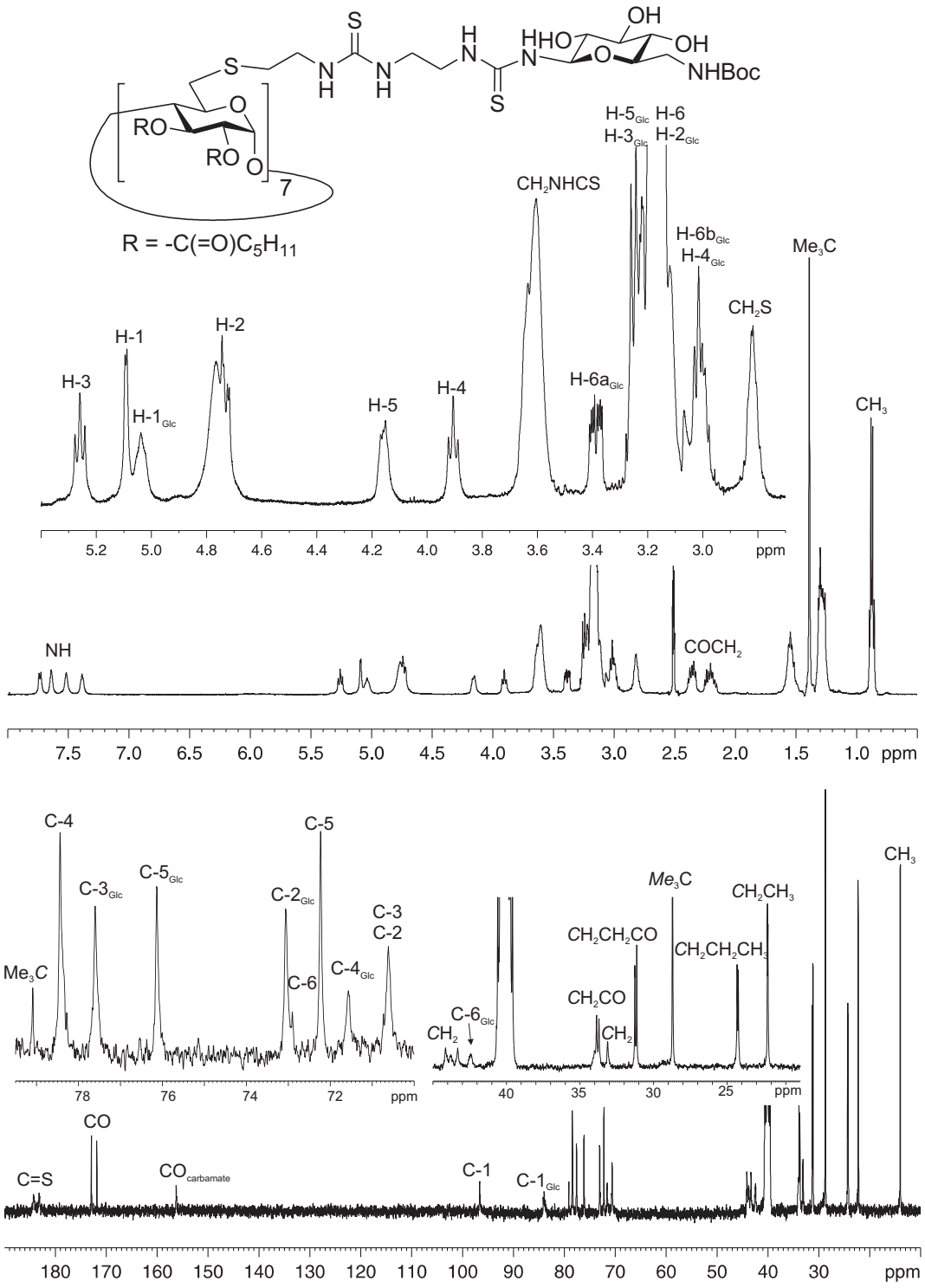

Figure S10. ^{1}H (500 MHz, 343 K, DMSO-d_6) and ^{13}C NMR (125.7 MHz, 313 K, DMSO-d_6) spectra of compound **18**.

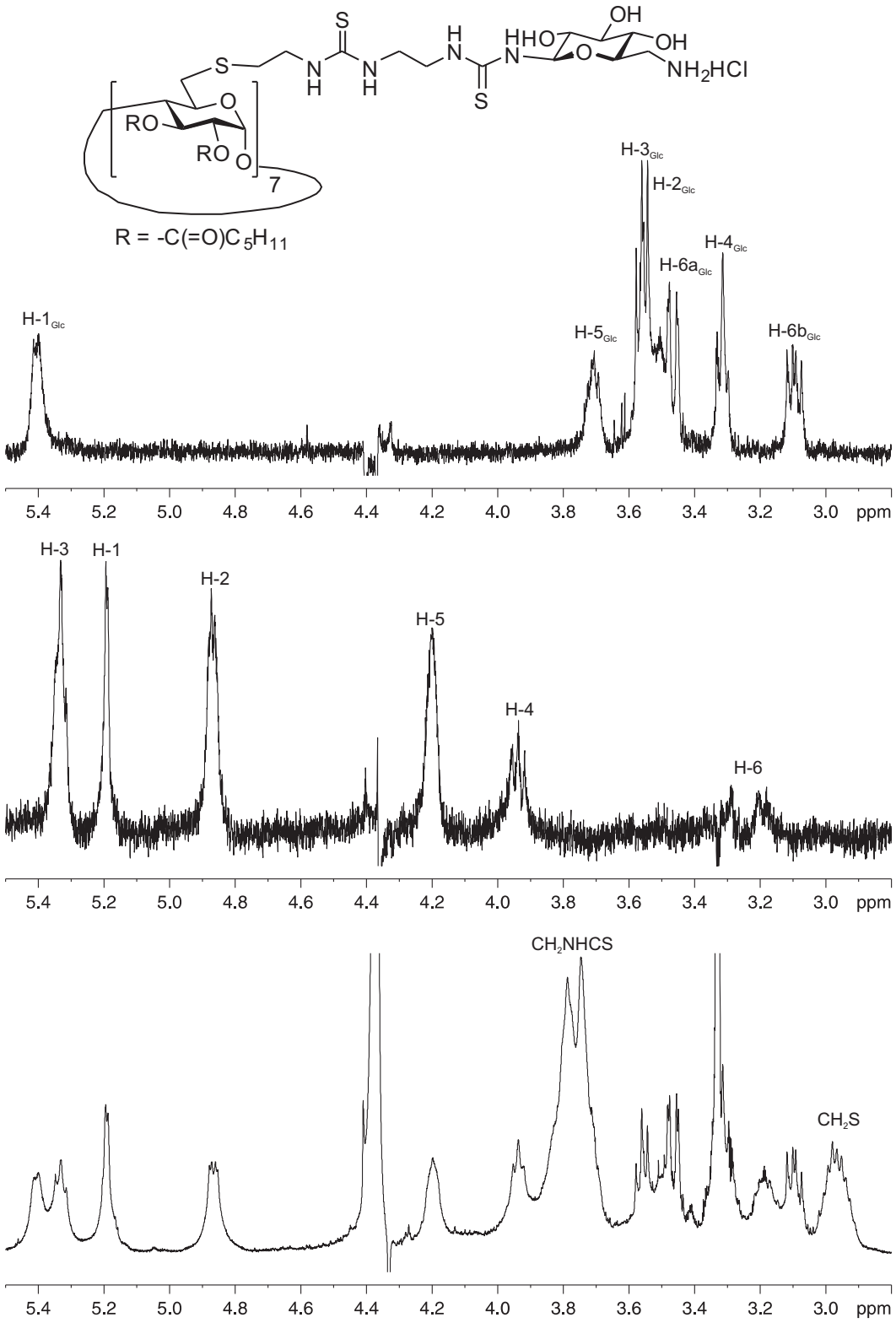

Figure S11. ^{1}H and TOCSY (500 MHz, 333 K, 5:1 CD_3OD-D_2O) spectra of compound **2**.

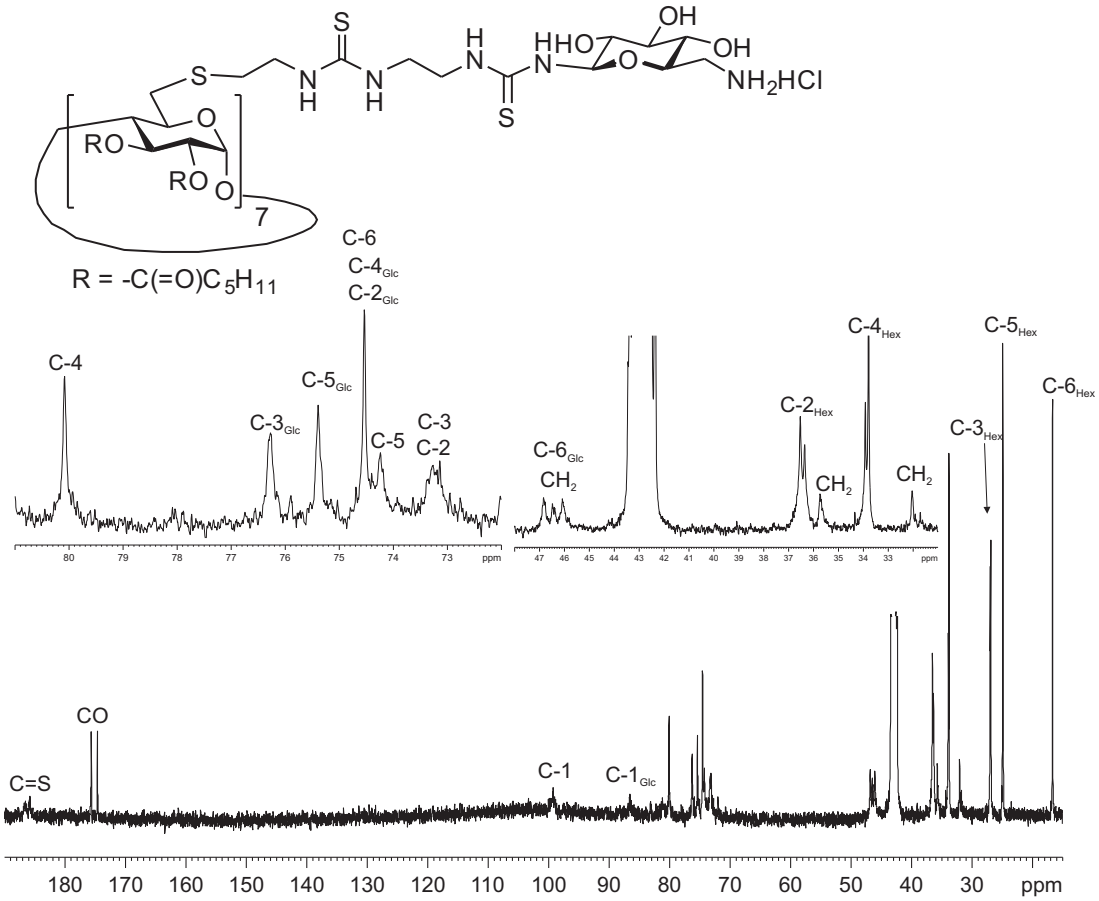

Figure S12. ^{13}C NMR (125.7 MHz, 323 K, DMSO-d_6) spectrum of compound **2**.

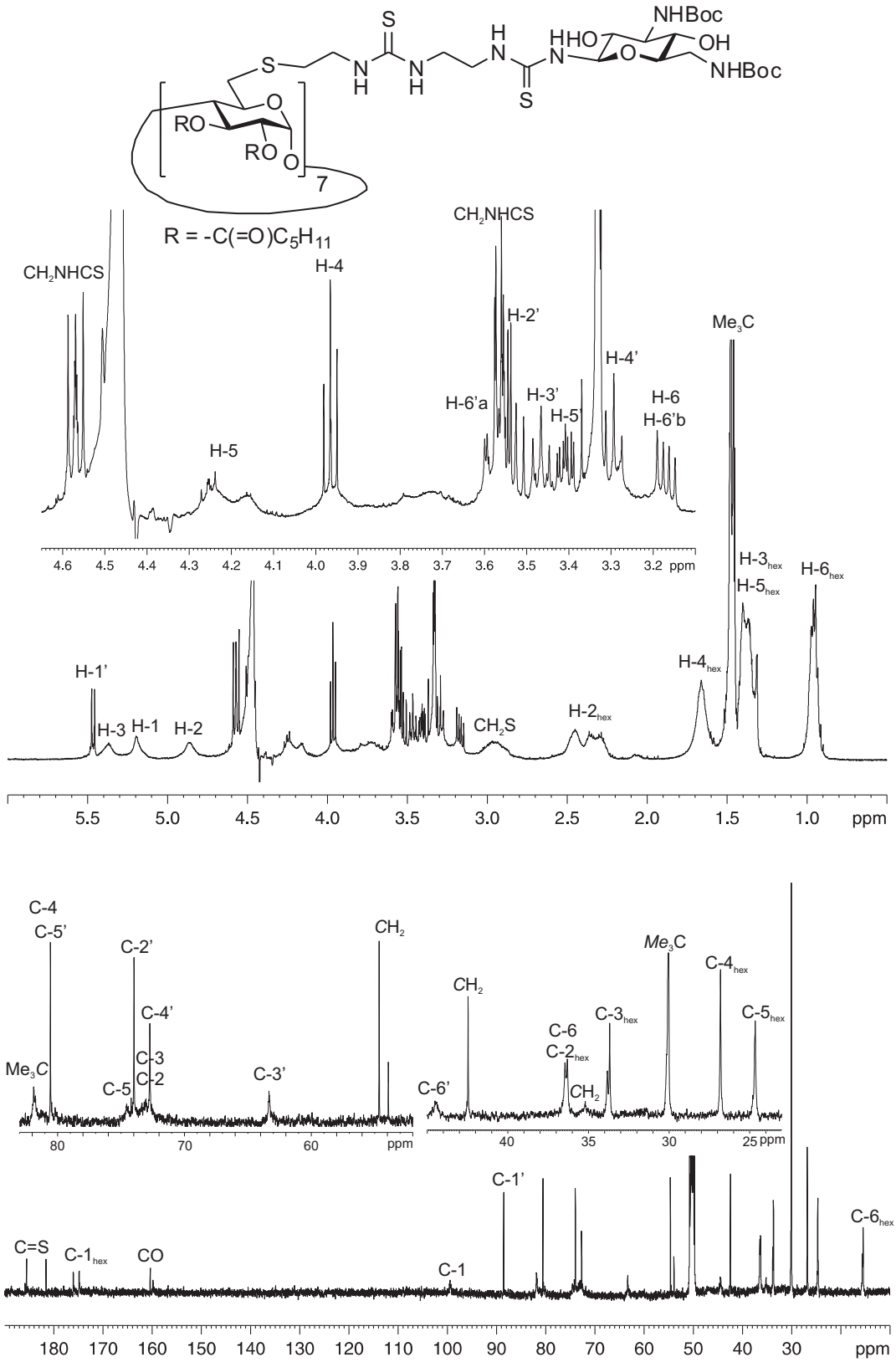

Figure S13. ^{1}H (500 MHz, 333 K, CD_3OD) and ^{13}C NMR (125.7 MHz, 333 K, CD_3OD) spectra of compound **19**.

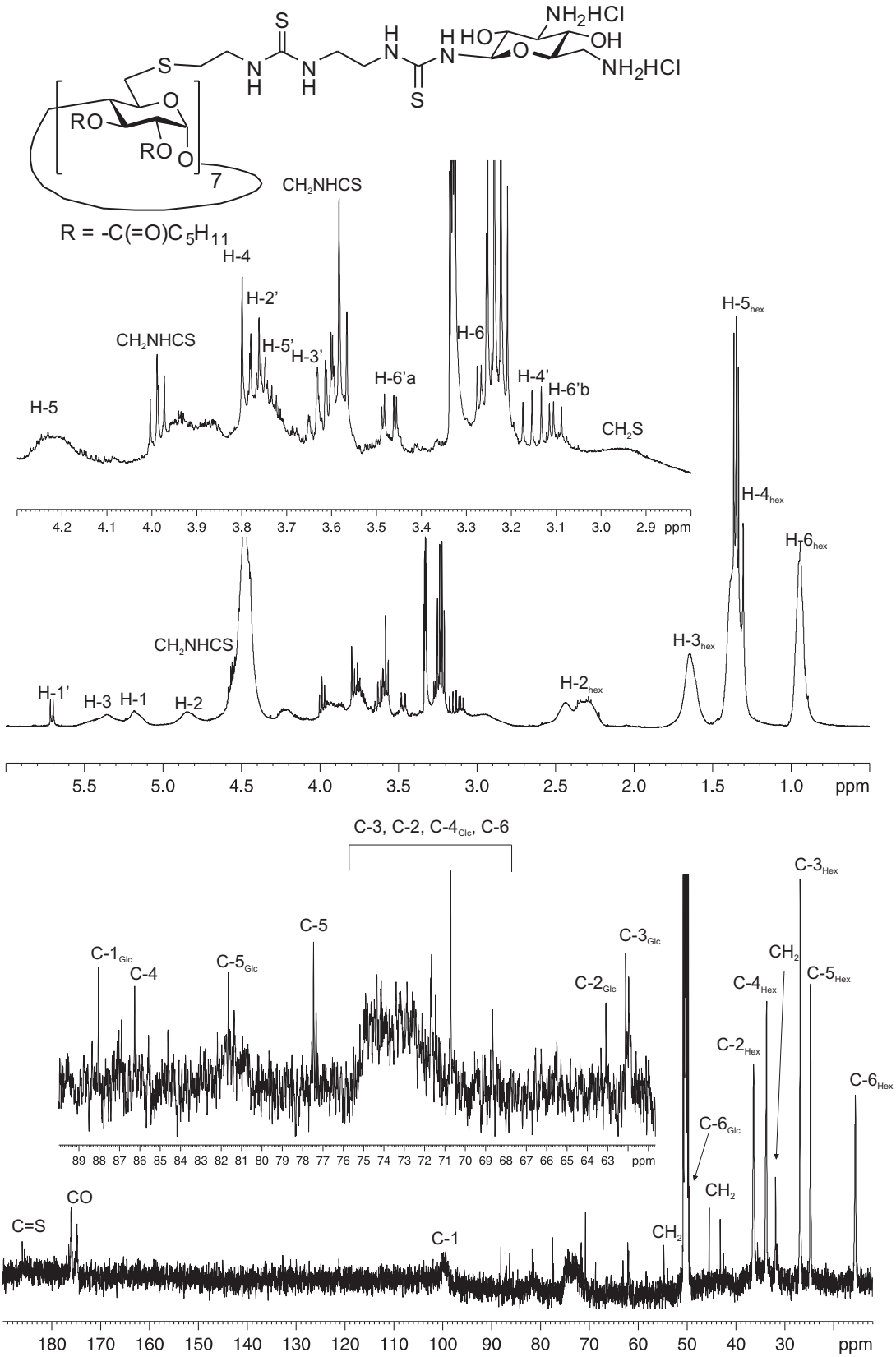

Figure S14. ^{1}H NMR (500 MHz, 333 K, CD_3OD) and ^{13}C NMR (125.7 MHz, 323 K, CD_3OD) spectra of compound **3**.

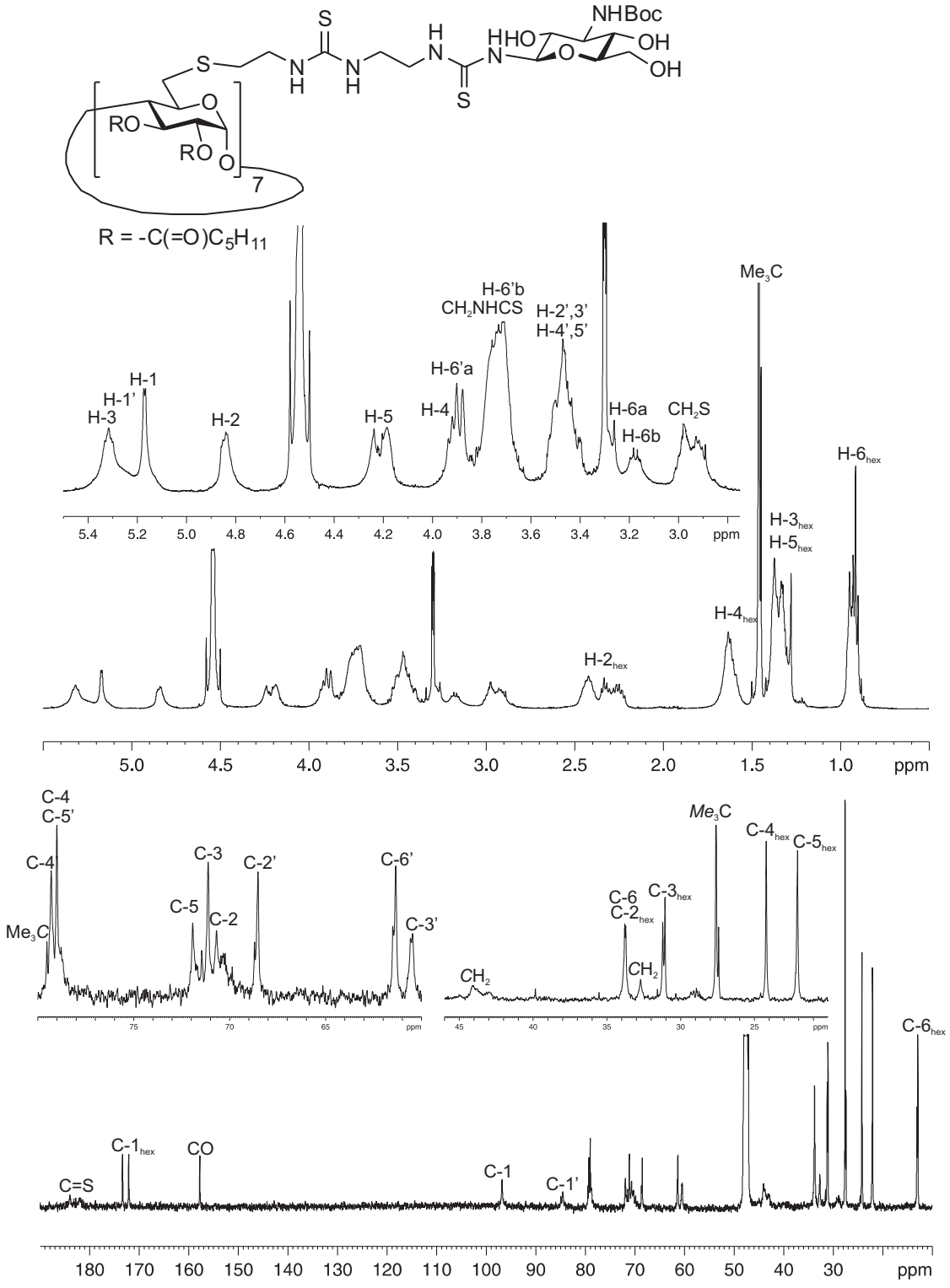

Figure S15. ^{1}H (500 MHz, 323 K, CD_3OD) and ^{13}C NMR (125.7 MHz, 323 K, CD_3OD) spectra of compound **20**.

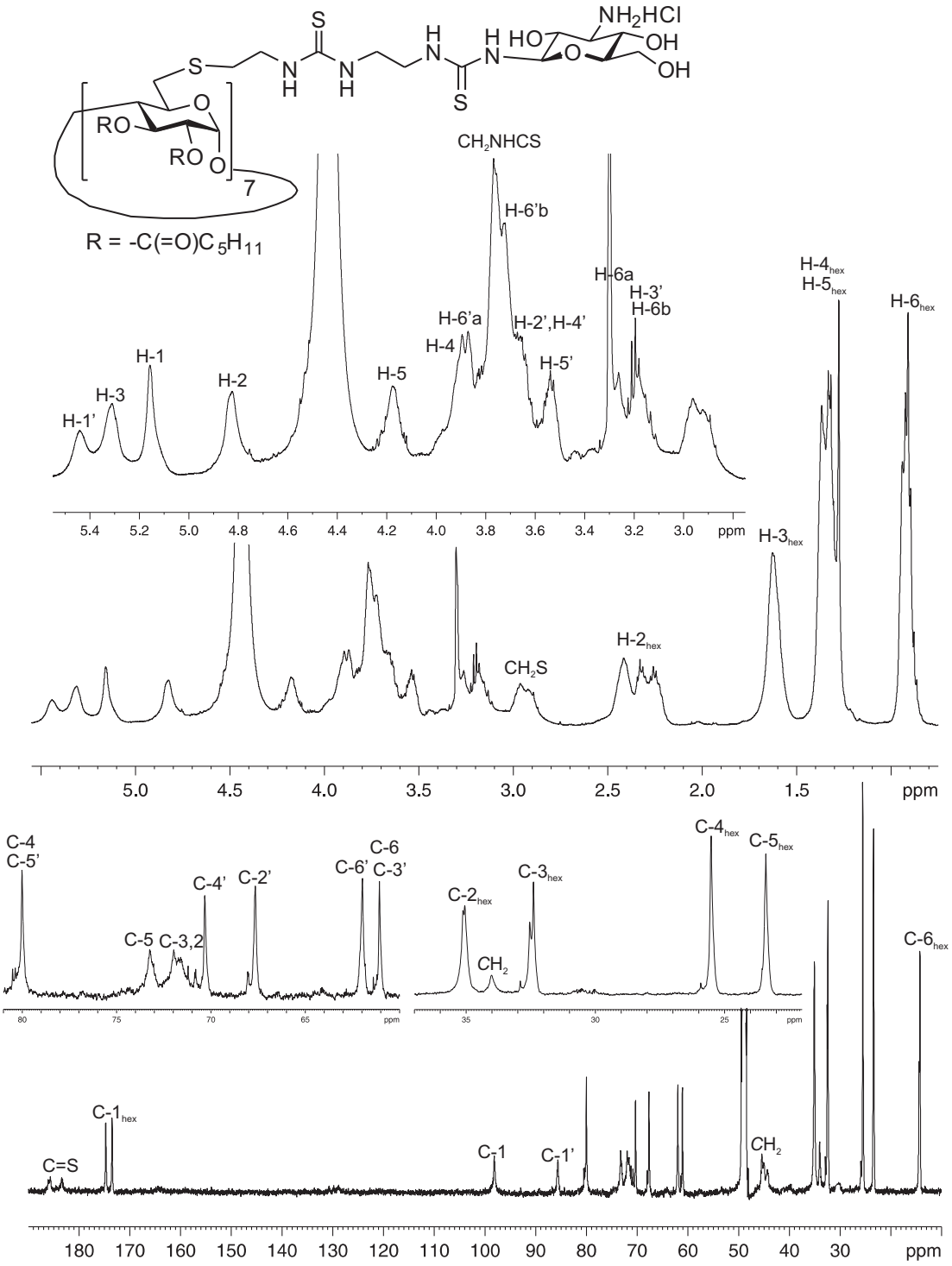

Figure S16. ^{1}H (500 MHz, 333 K, CD_3OD) and ^{13}C NMR (125.7 MHz, 333 K, CD_3OD) spectra of compound **4**.