

Supplementary Materials

Figure S1. Partial ^1H - ^{13}C gs-HMQC NMR spectrum of **1**, (2-phthalimidoethyl)(3-phthalimidoprop-1-yl)amine, ($\text{DMSO-}d_6$) with a residual peak of H_2O at 3.32 ppm.

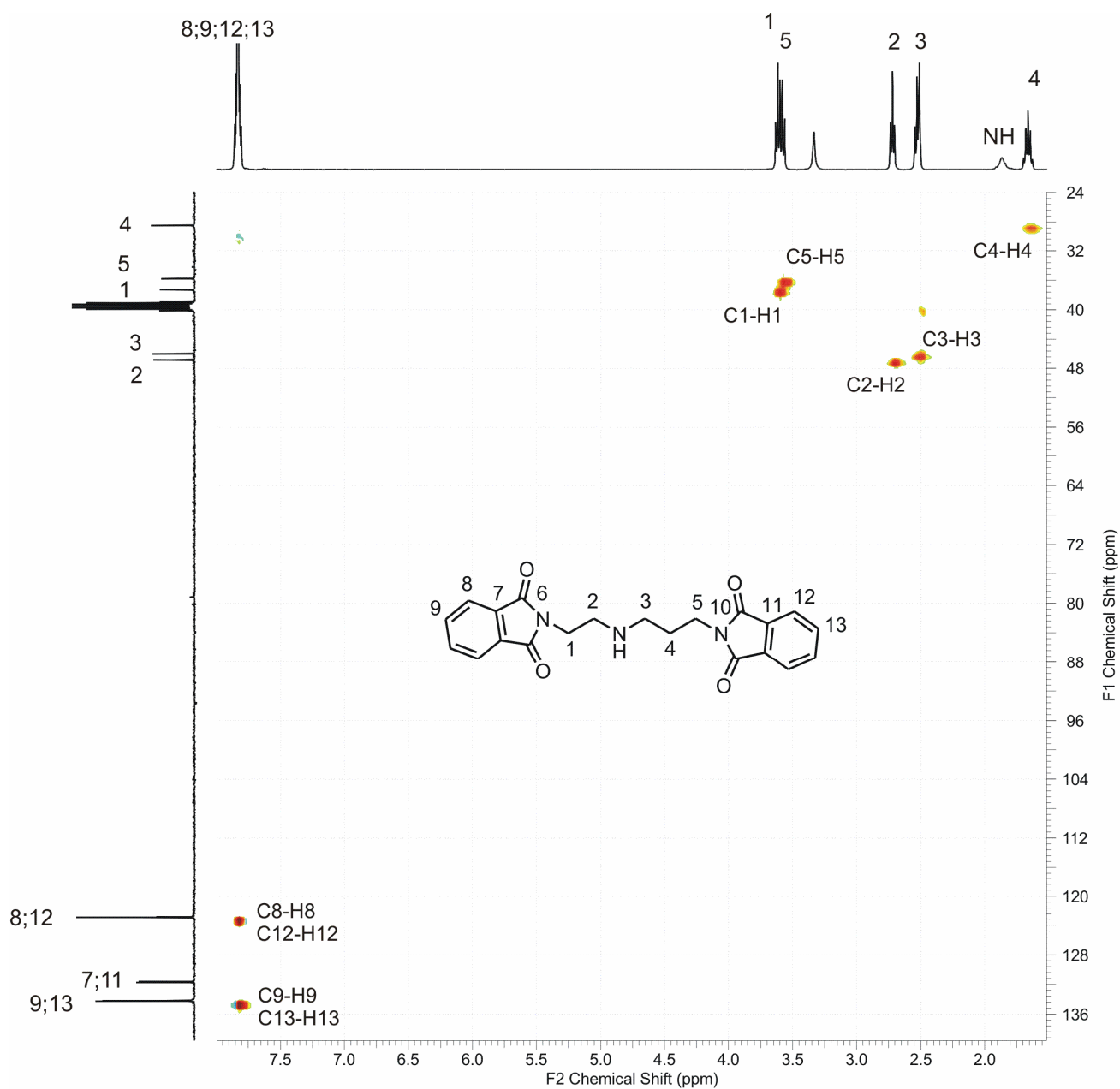


Figure S2. Partial ^1H - ^{13}C gs-HMQC NMR spectrum of **2**, (2-phthalimidoethyl)(3-phthalimidoprop-1-yl)-(4-bromomethylbenzyl)amine, ($\text{DMSO-}d_6$) with a residual peak of H_2O at 3.34 ppm and CH_2Cl_2 at 5.75 ppm.

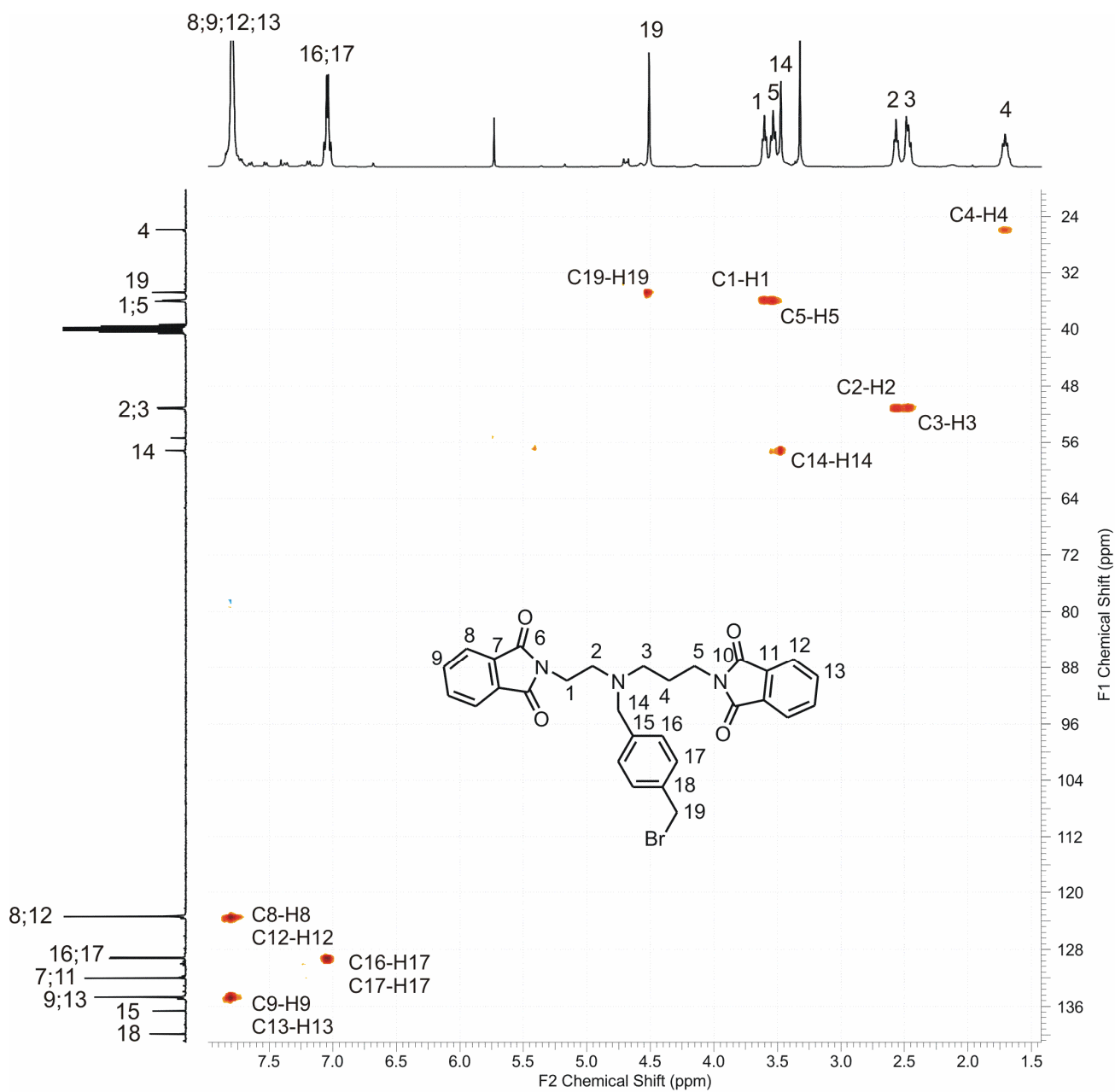


Figure S3. Partial ^1H - ^{13}C gs-HMQC NMR spectrum of **3**, 1-{4-[(2-phthalimidoethyl)(3-phthalimidoprop-1-yl)aminomethyl]phenylmethyl}-4,7,10-tris(*tert*-butoxycarbonylmethyl)-1,4,7,10-tetraazacyclododecane, ($\text{DMSO-}d_6$) with a residual peak of H_2O at 3.40 ppm.

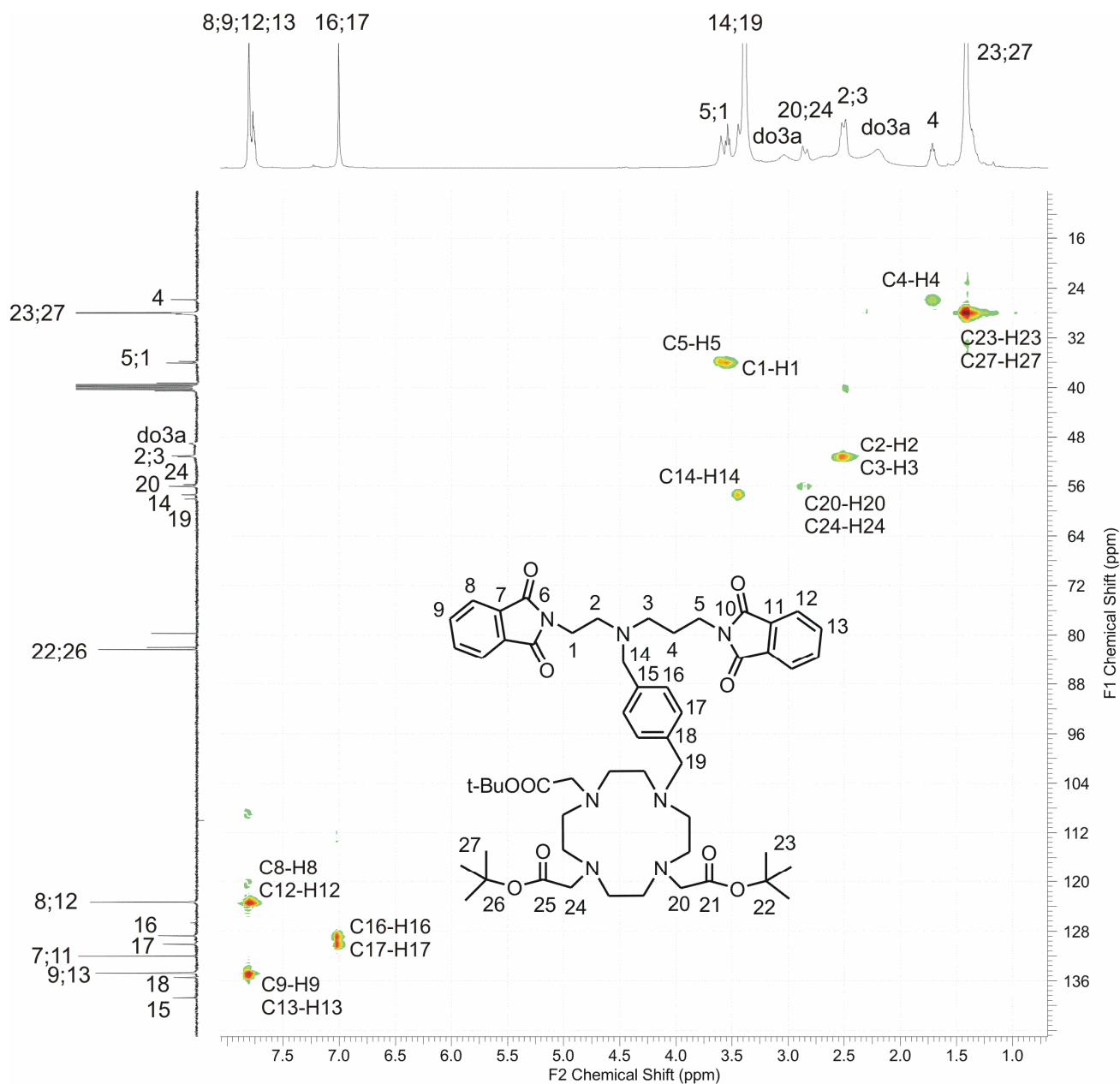


Figure S4. Partial ^1H - ^{13}C gs-HMQC NMR spectrum of **4**, 1-{4-[(2-aminoethyl)(3-aminoprop-1-yl)aminomethyl]phenylmethyl}-4,7,10-tris(*tert*-butoxycarbonylmethyl)-1,4,7,10-tetraazacyclododecane, (DMSO- d_6) with a residual peak of H_2O at 3.40 ppm.

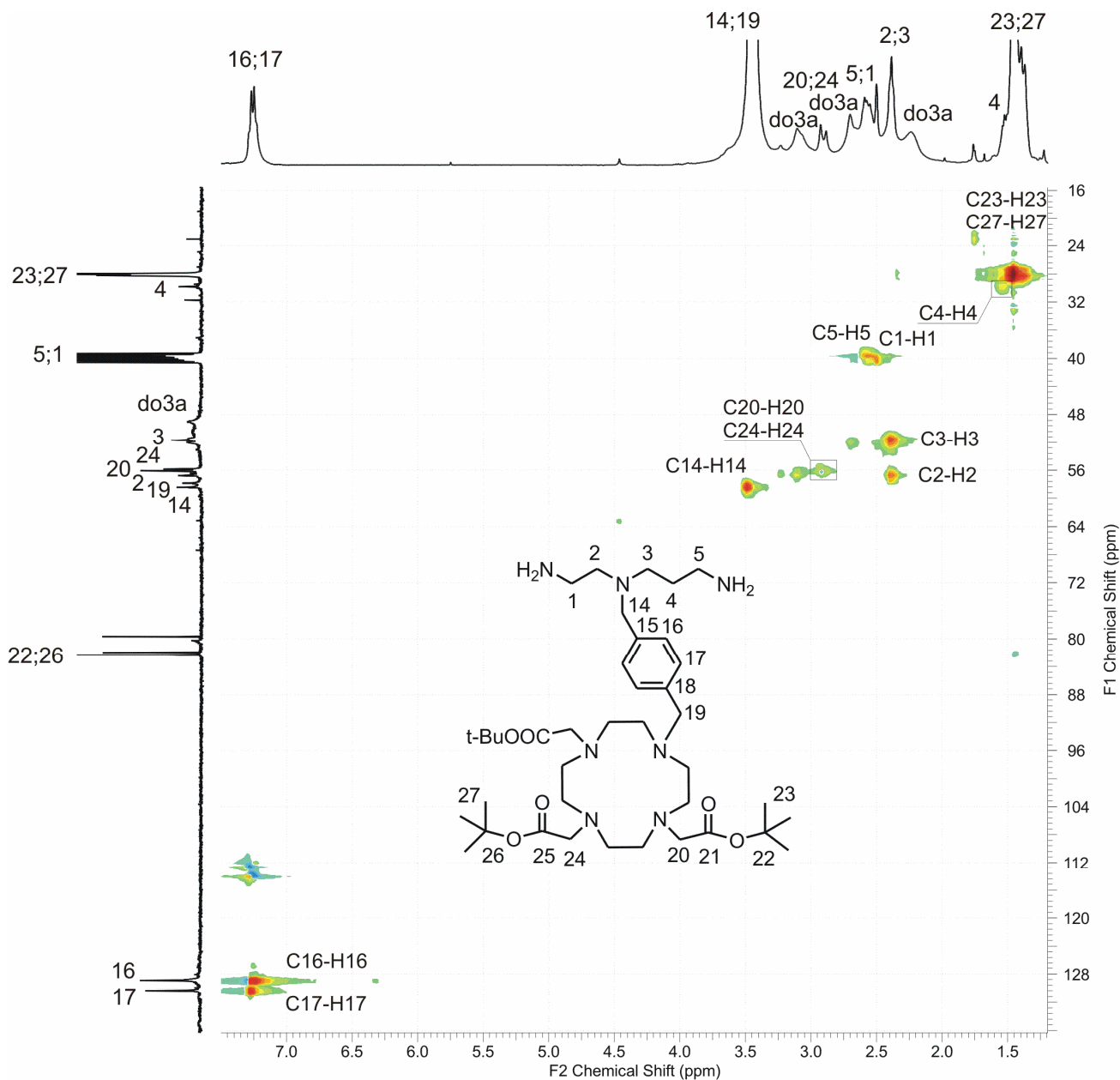


Figure S5. Partial ^1H - ^{13}C gs-HMQC NMR spectrum of **5**, 1-{4-[(2-aminoethyl)(3-aminoprop-1-yl)aminomethyl]phenylmethyl}-4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododecane, ($\text{DMSO-}d_6$).

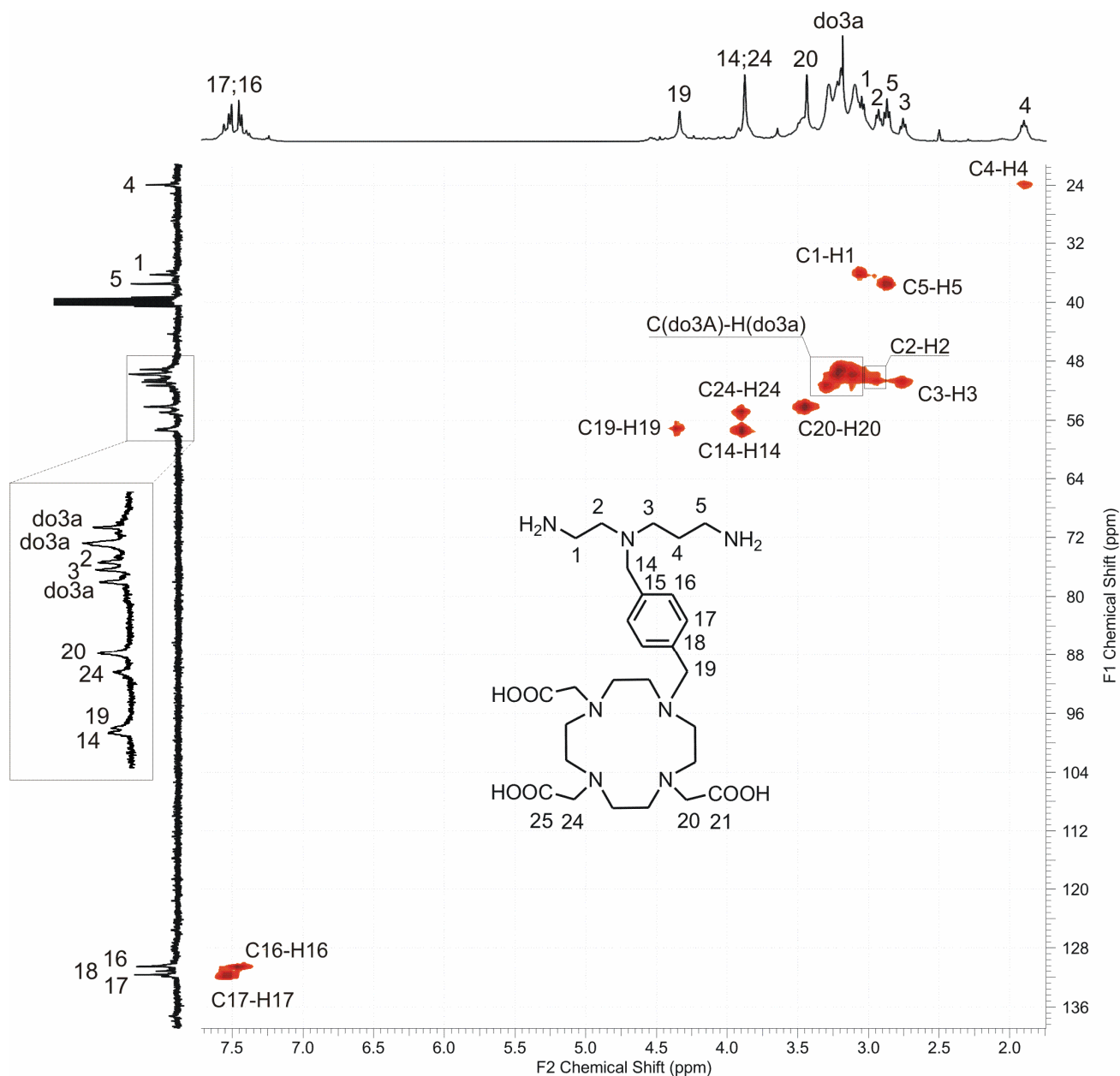


Figure S6. Partial ^1H - ^{13}C gs-HMBC NMR spectrum of **5**, 1-{4-[(2-aminoethyl)(3-aminoprop-1-yl)aminomethyl]phenylmethyl}-4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododecane, ($\text{DMSO-}d_6$).

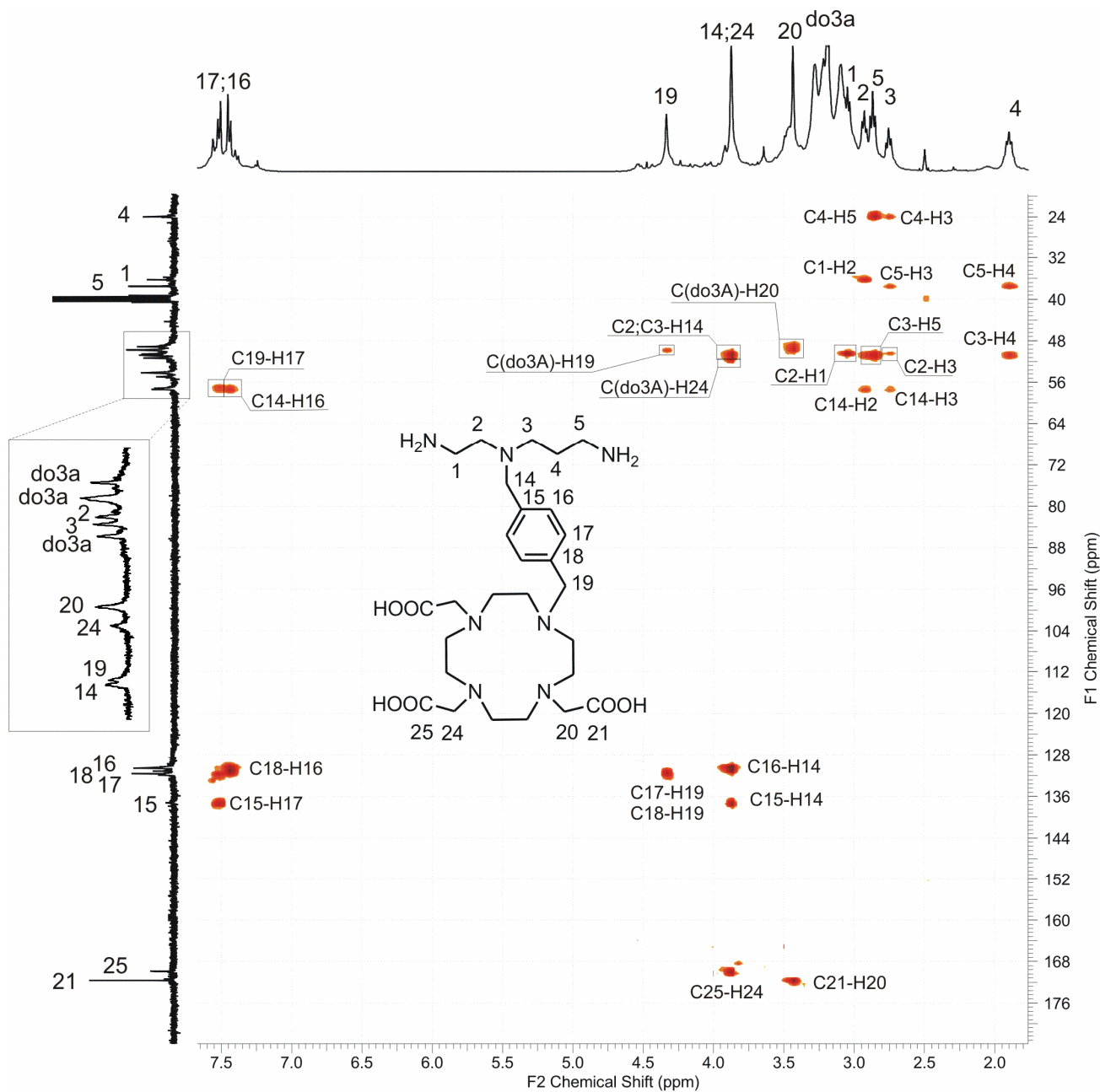


Figure S7. Partial ^1H - ^{13}C gs-HMBC NMR spectrum of a precursor, *N*-(2-aminoethyl)propane-1,3-diamine (DMSO- d_6).

