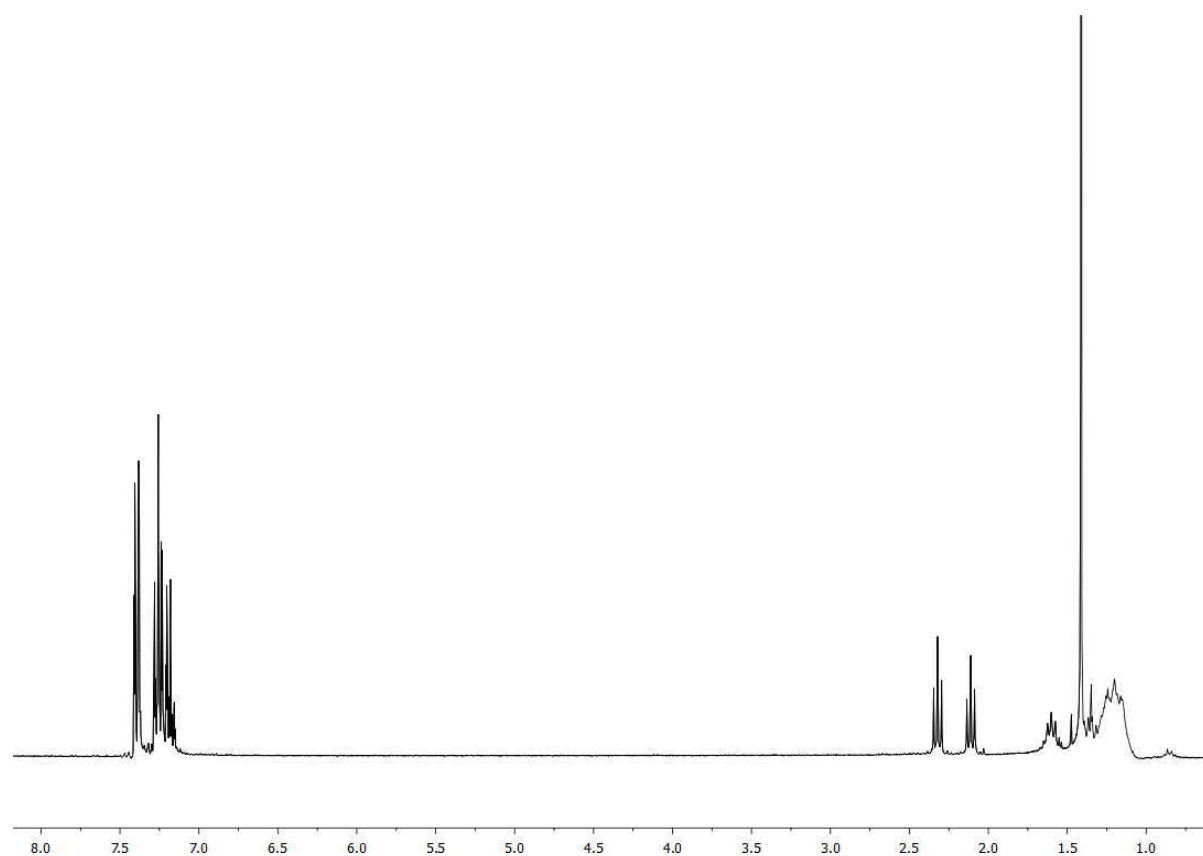


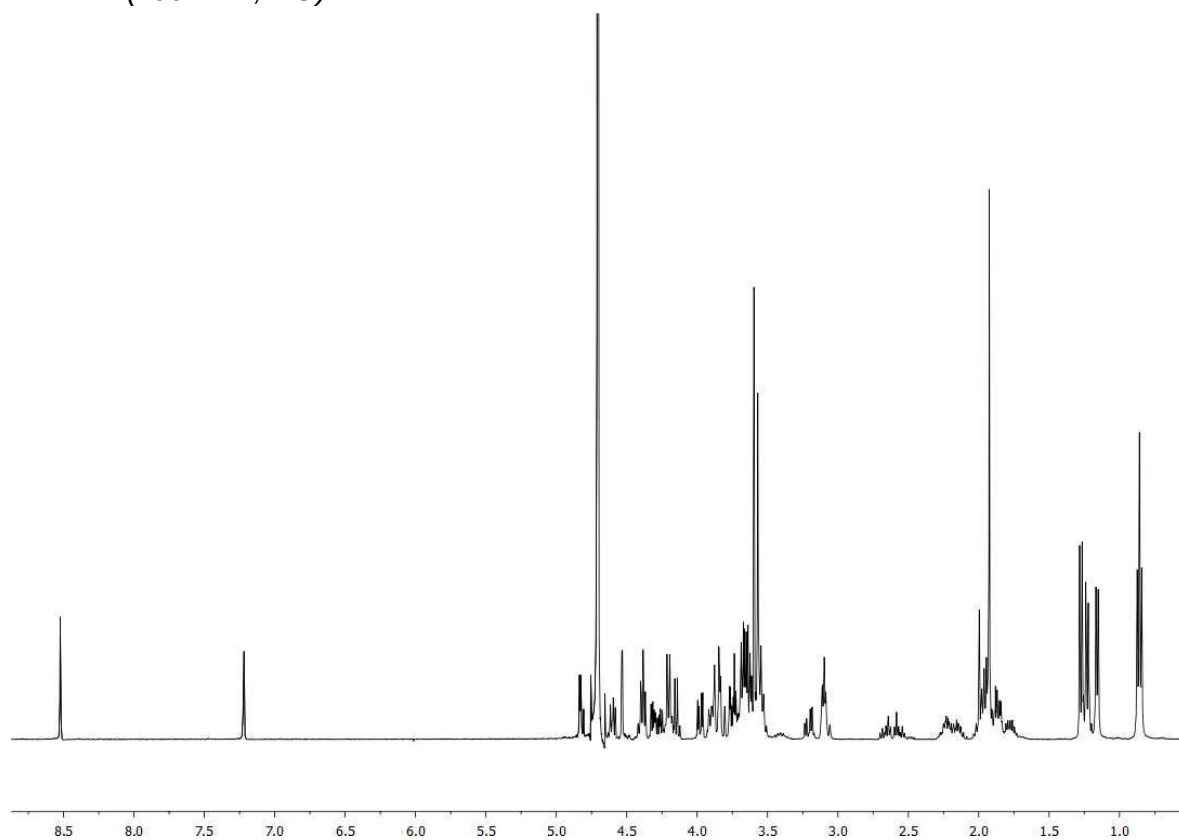
ω -Mercaptocarboxylic acid linker ($\text{Ph}_3\text{CH-S(CH}_2\text{)}_{10}\text{COOH}$) (15)

$^1\text{H-NMR}$ (300 MHz, CDCl_3)

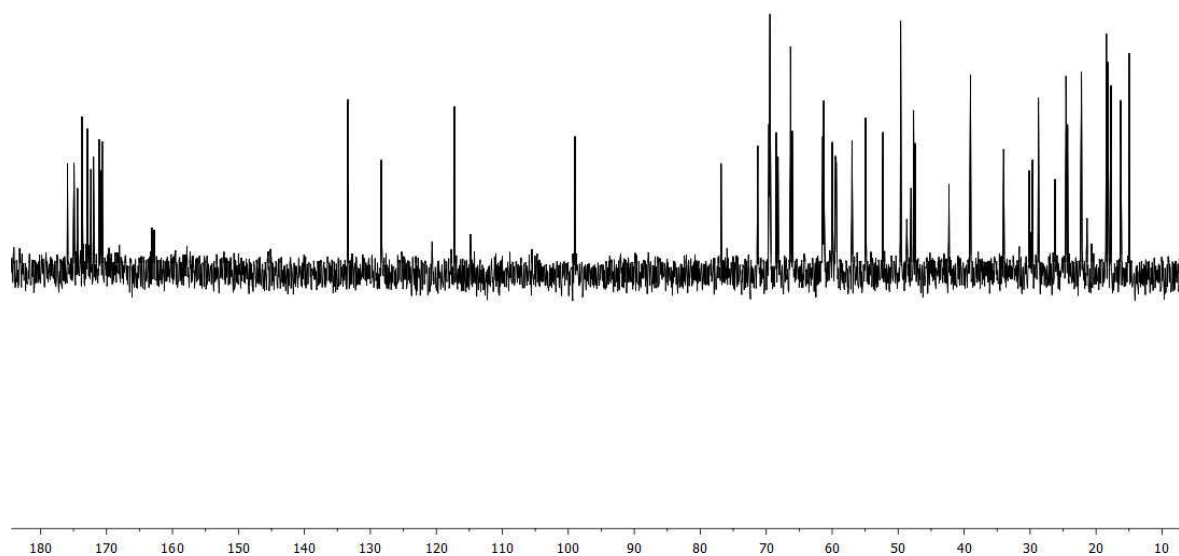


H₂N(CH₂CH₂O)₃CH₂CH₂CONH-Pro-Ala-His-Gly-Val-Thr(αGalNAc)-Ser-Ala-Pro-OH (GP-01)

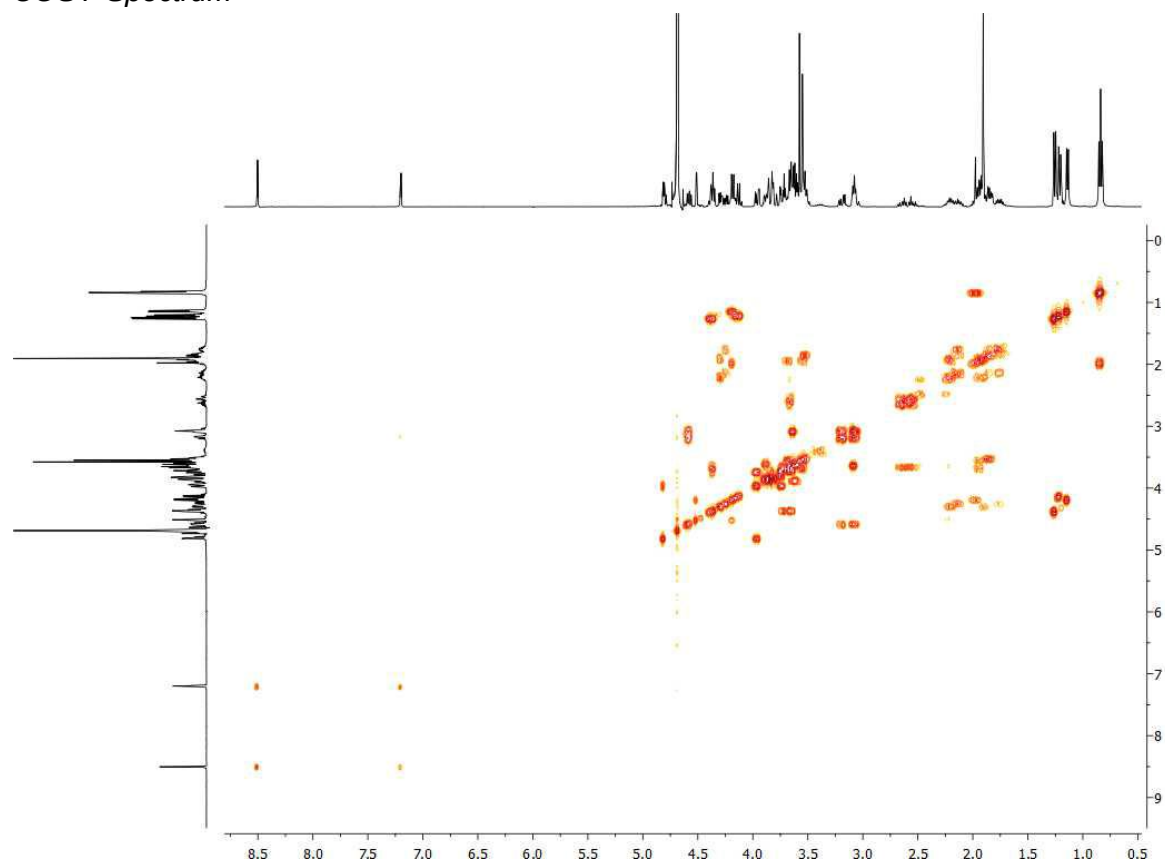
¹H-NMR (400 MHz, D₂O)



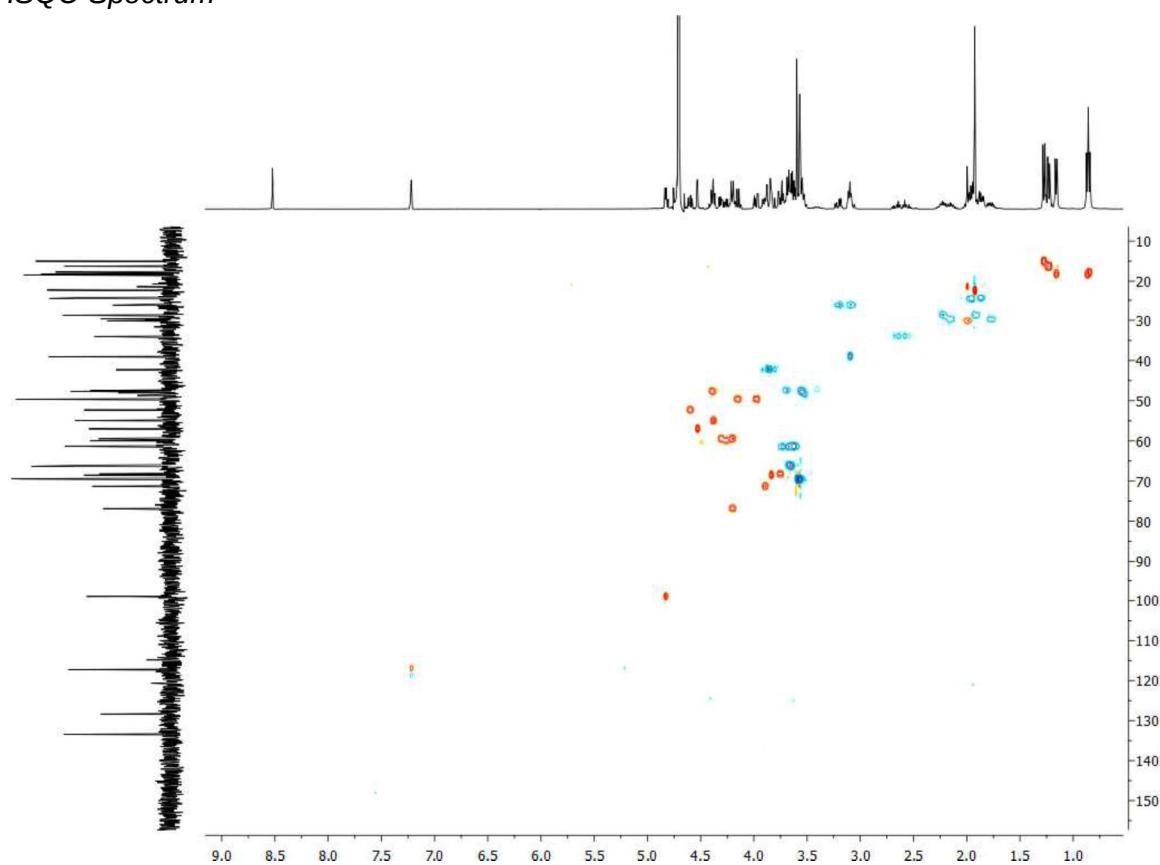
¹³C-NMR (100.6 MHz, D₂O)



COSY-Spectrum

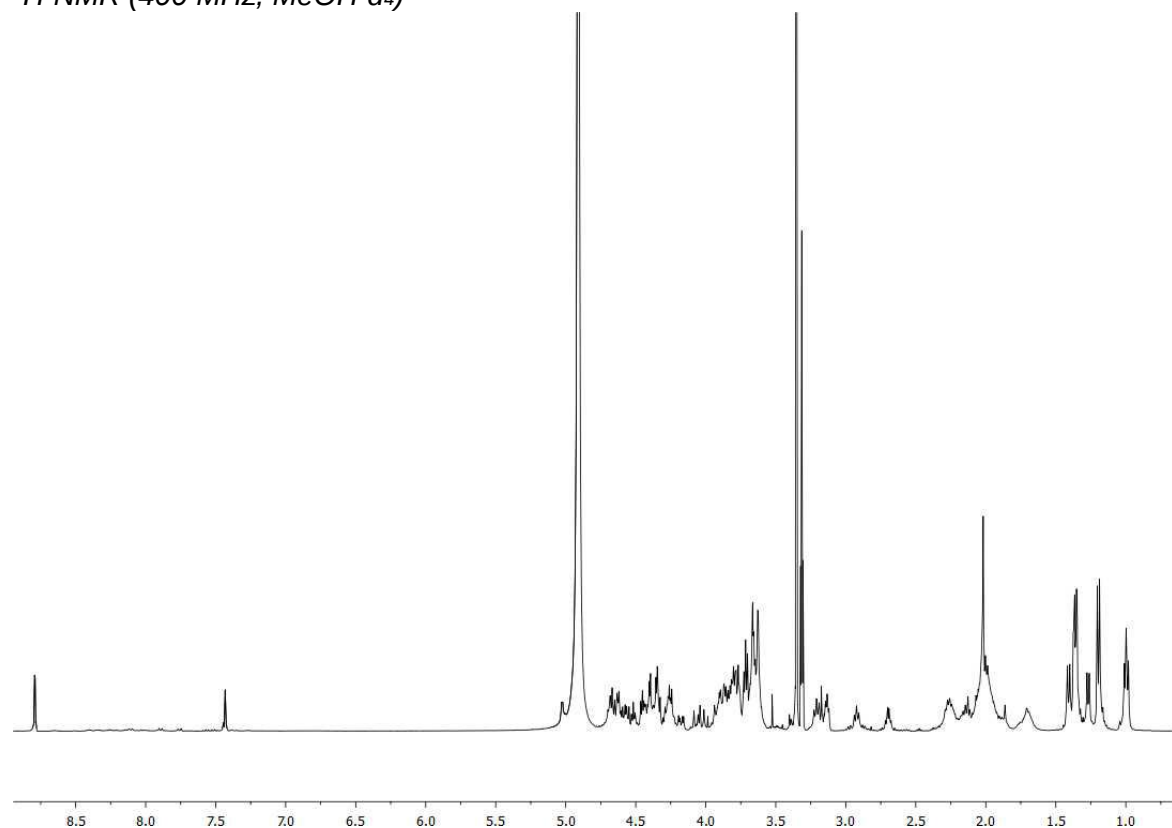


HSQC-Spectrum

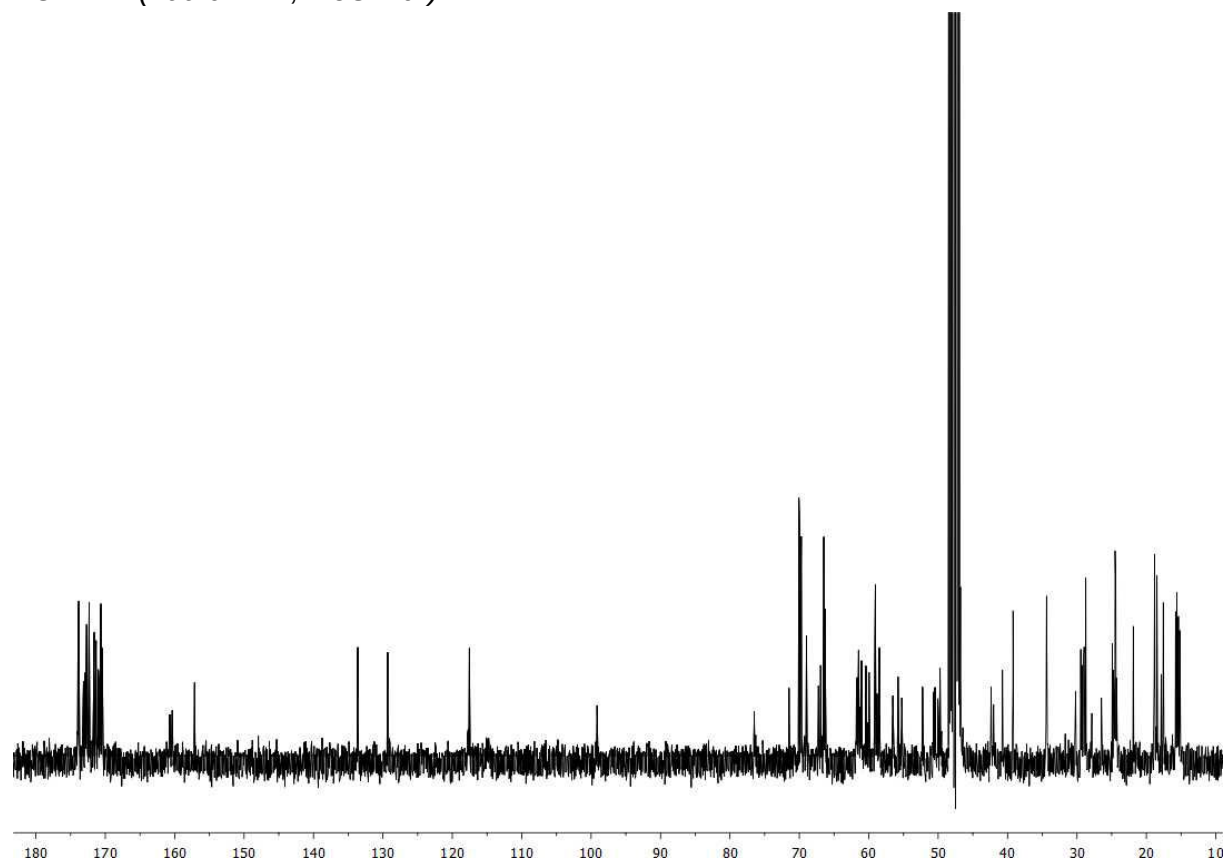


H₂N(CH₂CH₂O)₃CH₂CH₂CONH-Pro-Ala-His-Gly-Val-Thr(αGalNAc)-Ser-Ala-Pro-Asp-Thr-Arg-Pro-Ala-Pro-Gly-Ser-Thr-Ala-Pro-OH (GP-02)

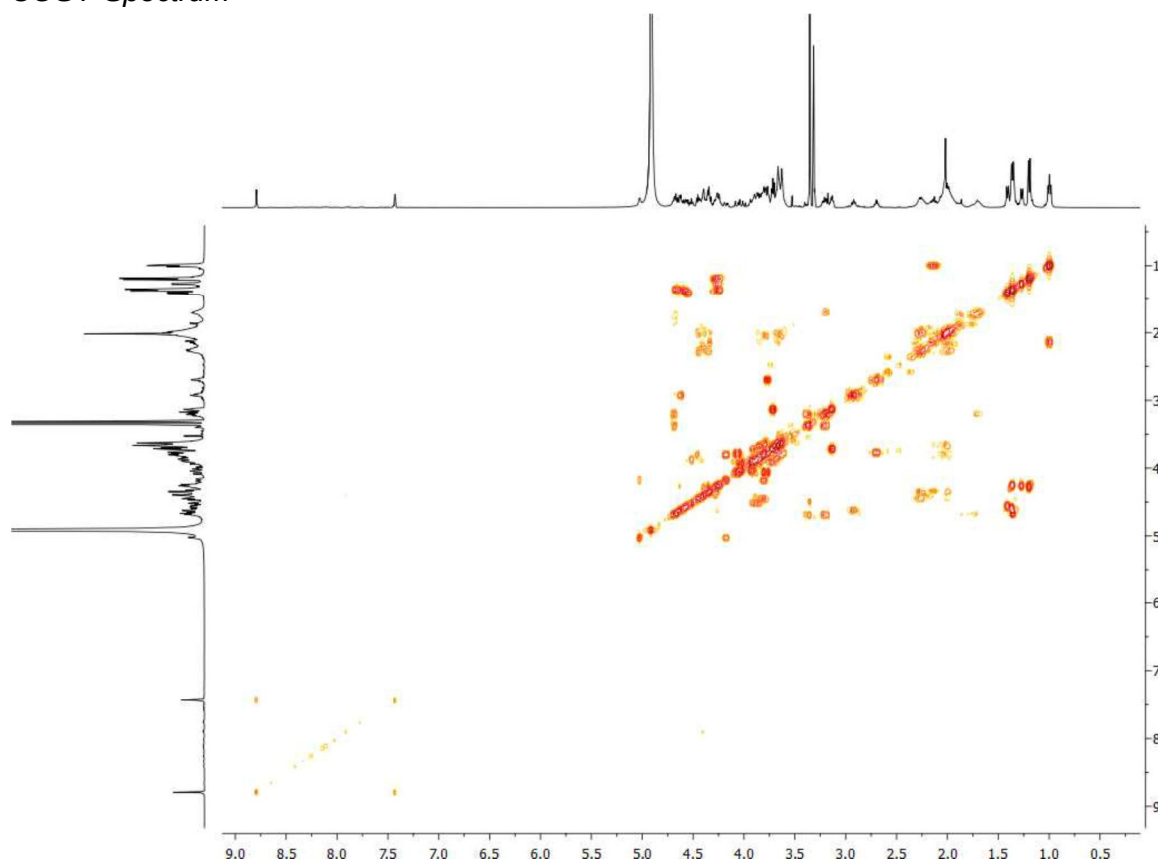
*¹H-NMR (400 MHz, MeOH-*d*₄)*



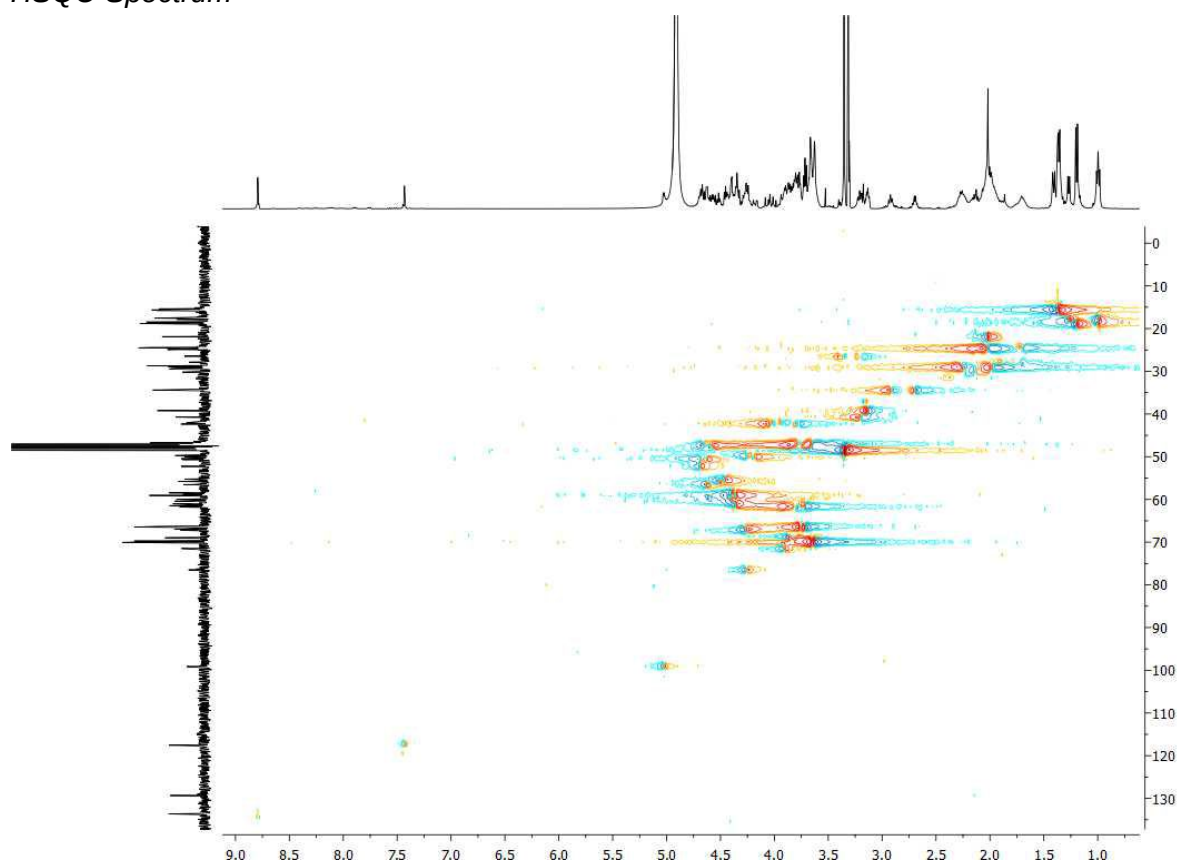
*¹³C-NMR (100.6 MHz, MeOH-*d*₄)*



COSY-Spectrum

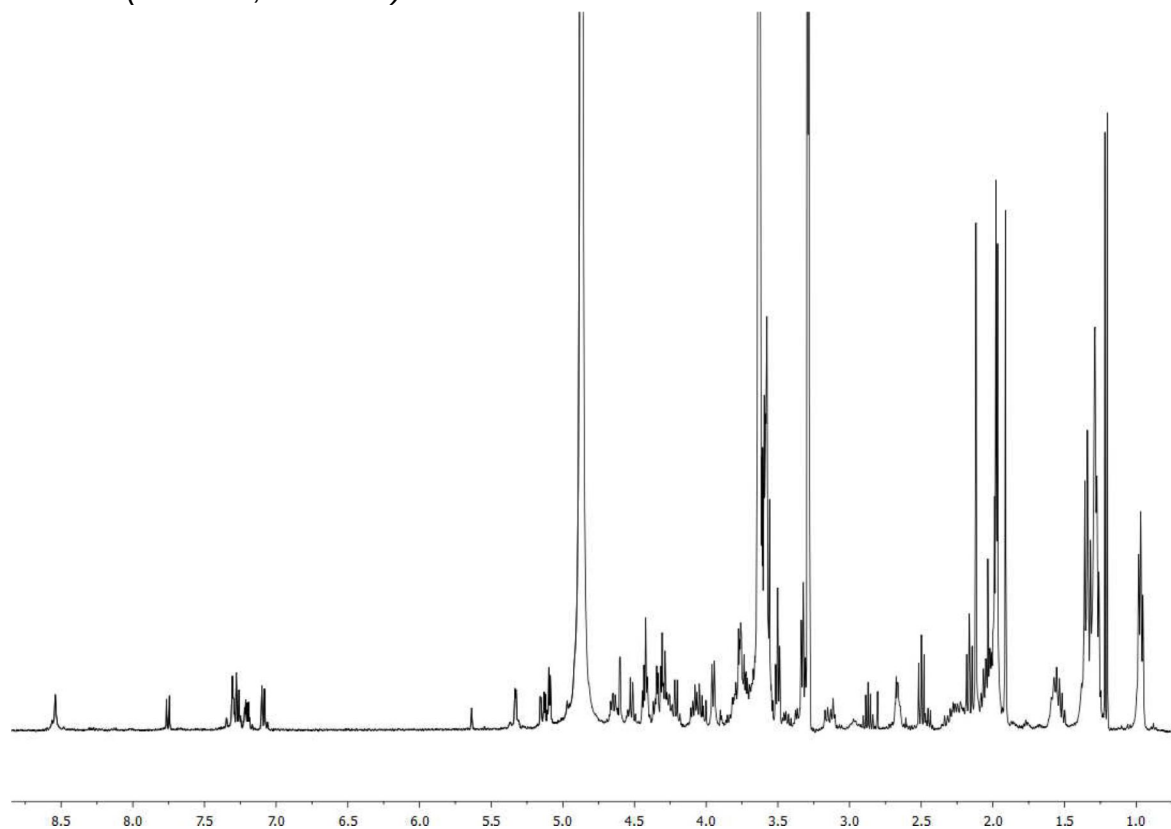


HSQC-Spectrum

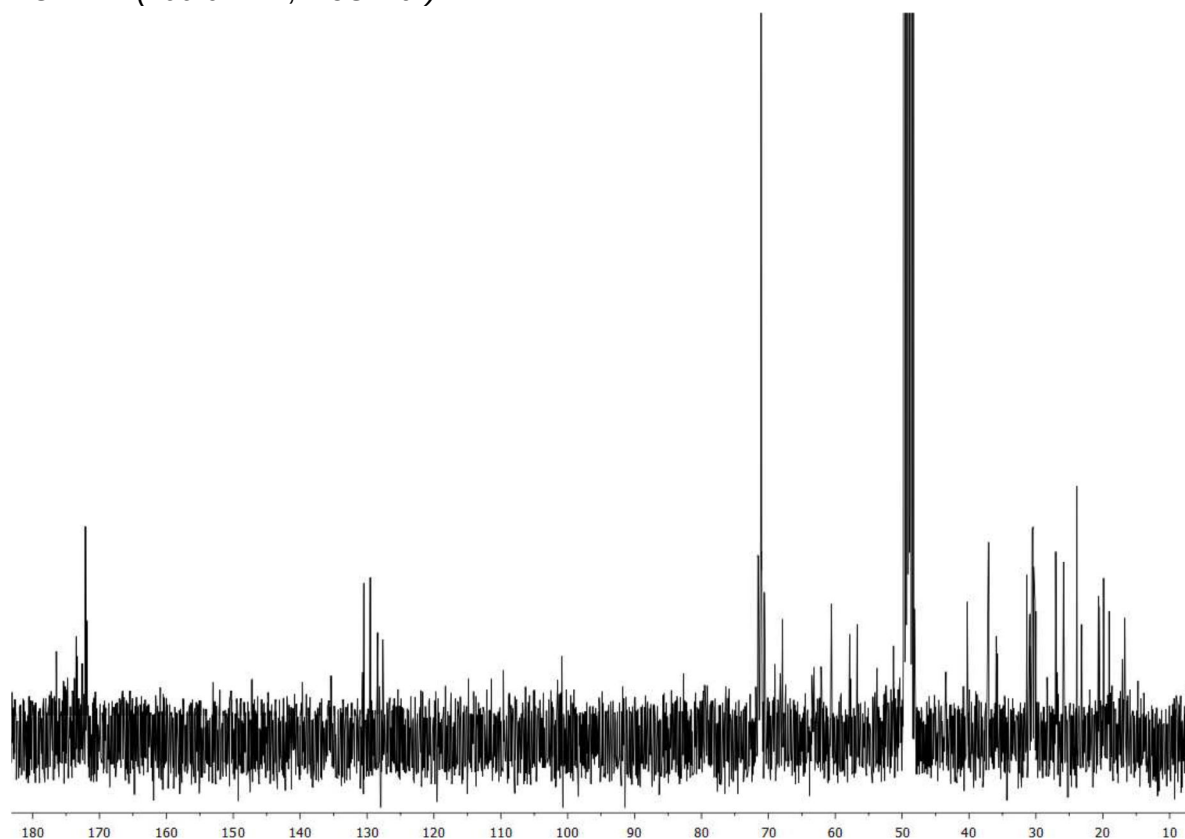


HS(C₁₀H₂₀)CONH-(CH₂CH₂O)₃CH₂CH₂CONH-Pro-Ala-His-Gly-Val-Thr(αAc₃GalNAc)-Ser-Ala-Pro-OH(GP-03)

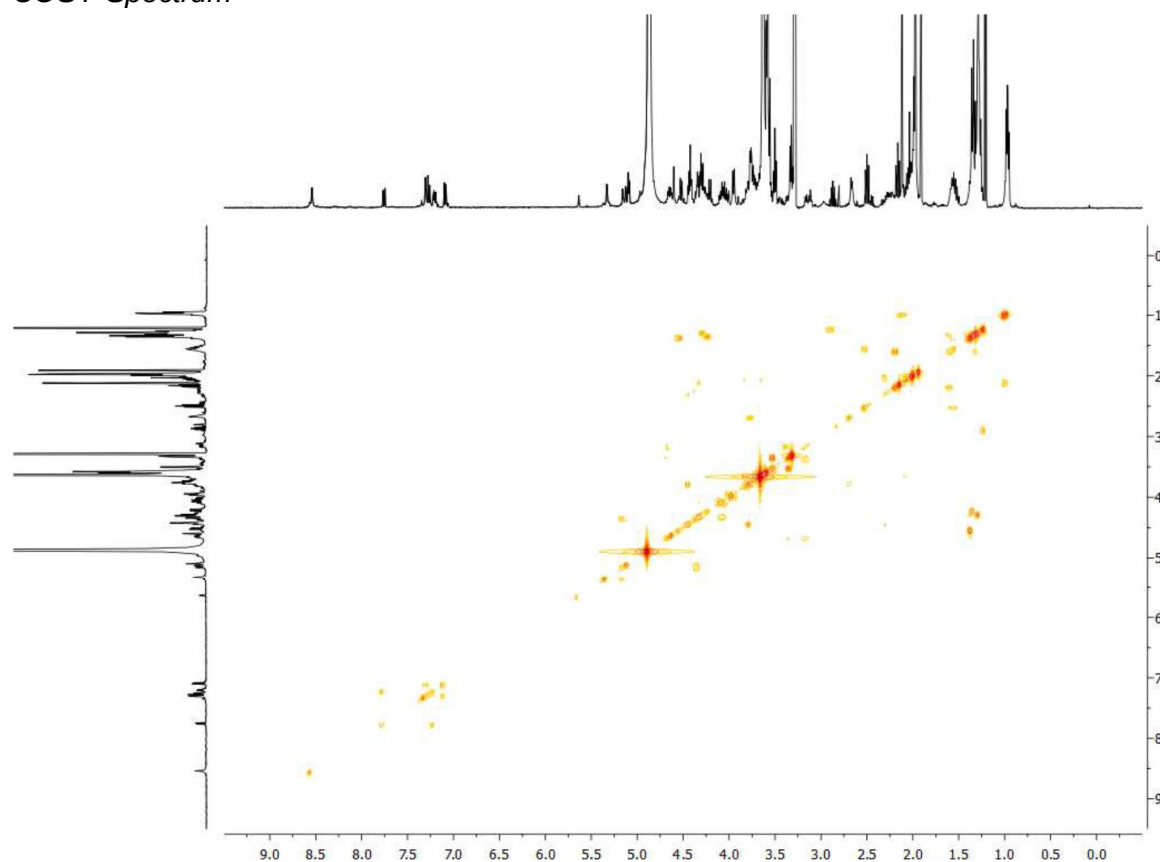
¹H-NMR (400 MHz, MeOH-d₄)



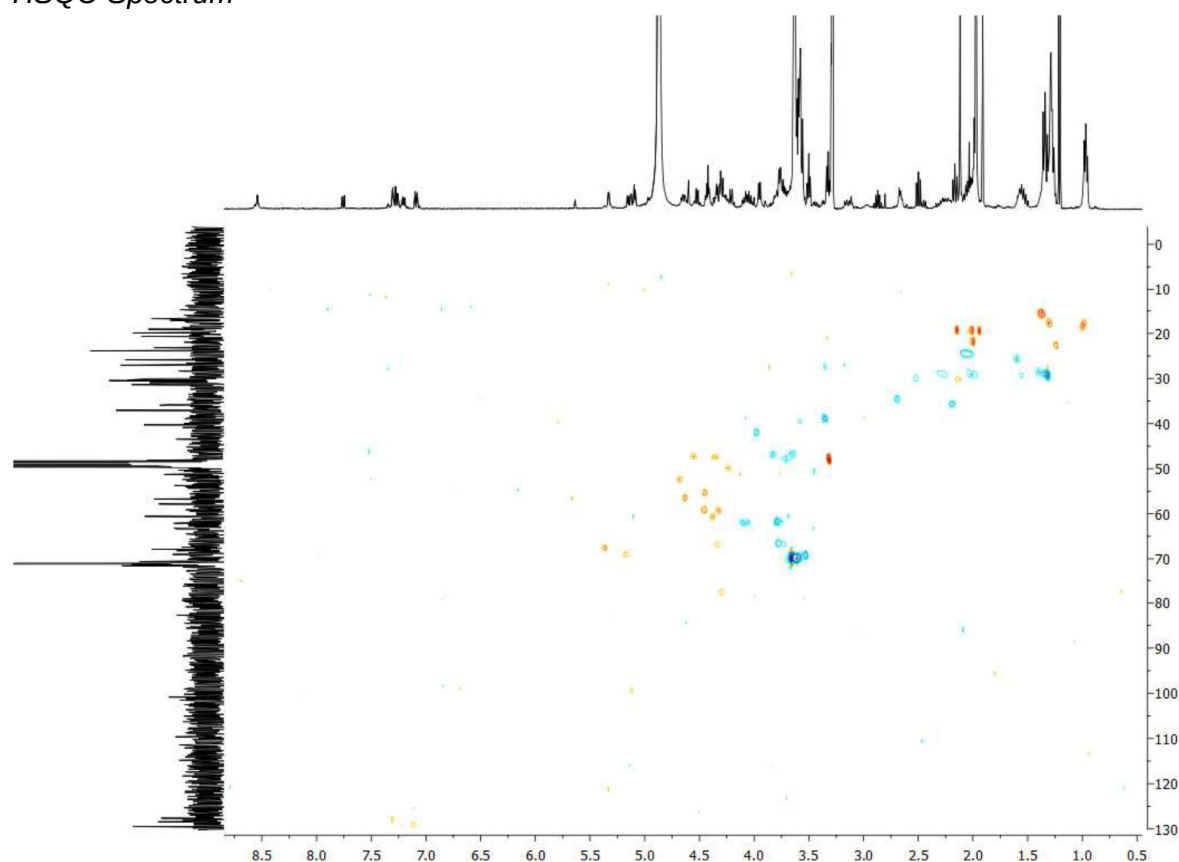
¹³C-NMR (100.6 MHz, MeOH-d₄)



COSY-Spectrum

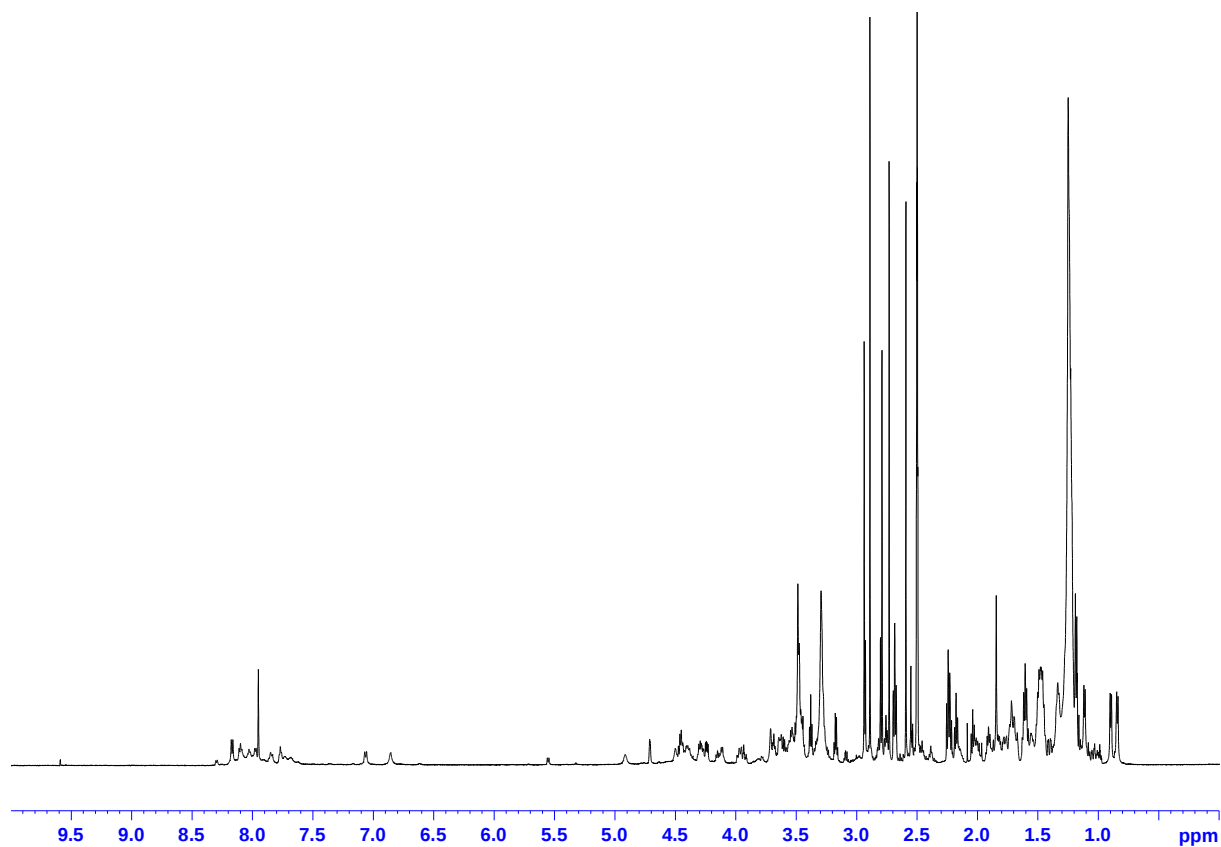


HSQC-Spectrum

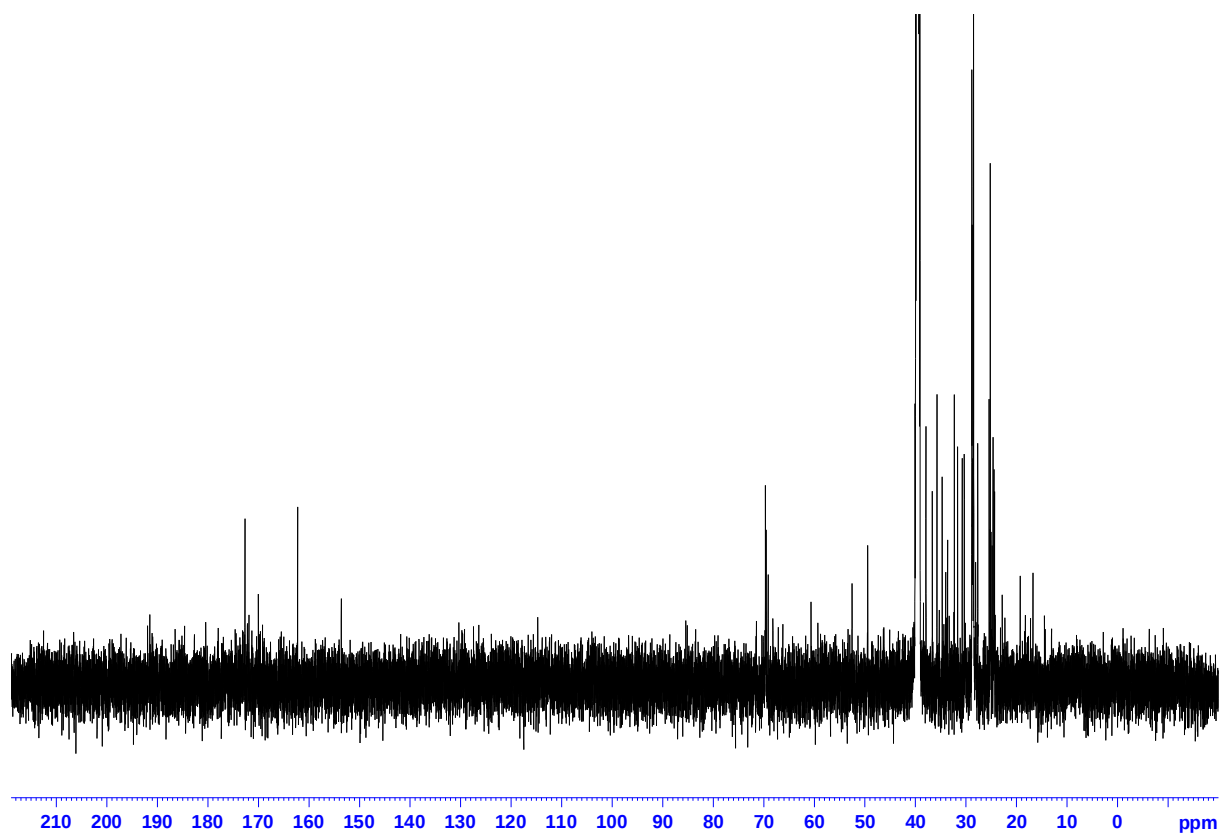


GP-01 coord. AuNP

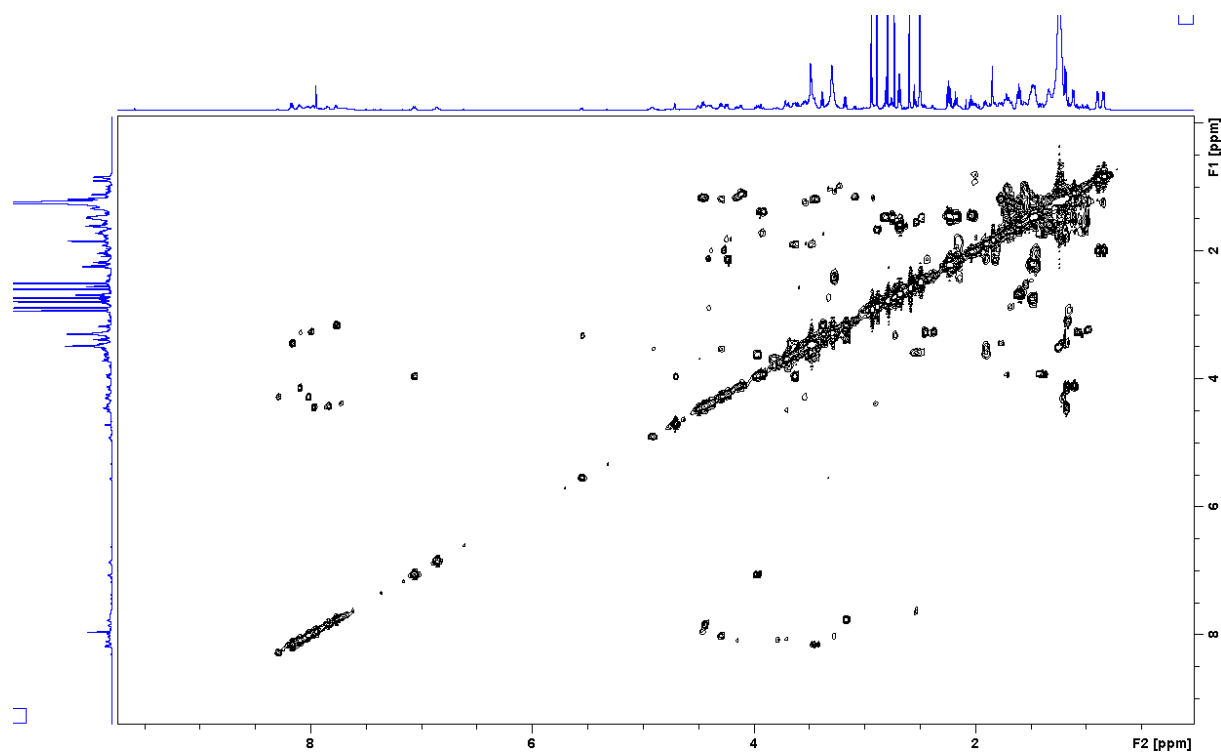
^1H -NMR (600 MHz, DMSO-d_6)



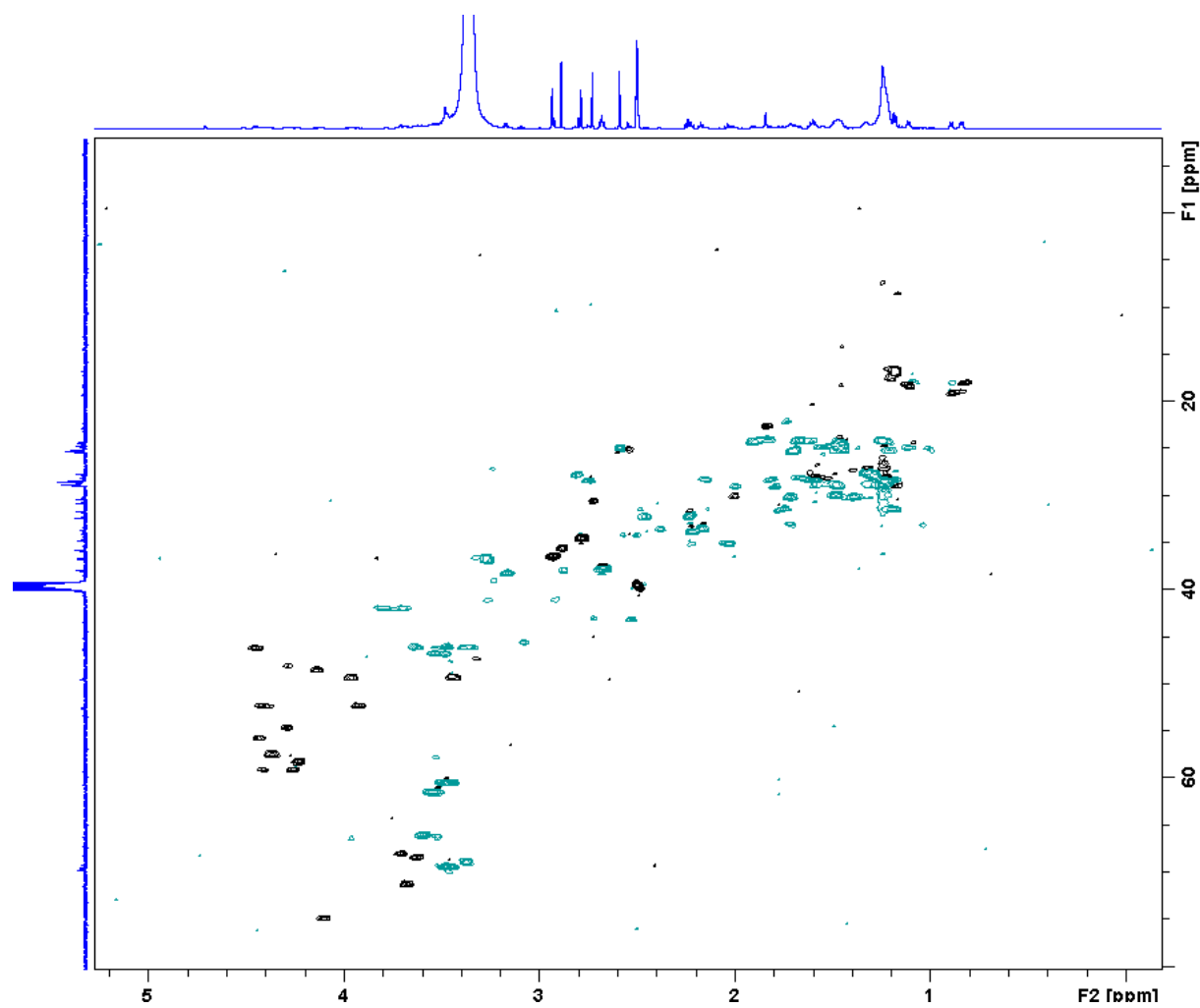
^{13}C -NMR (150 MHz, DMSO-d_6)



COSY-Spectrum



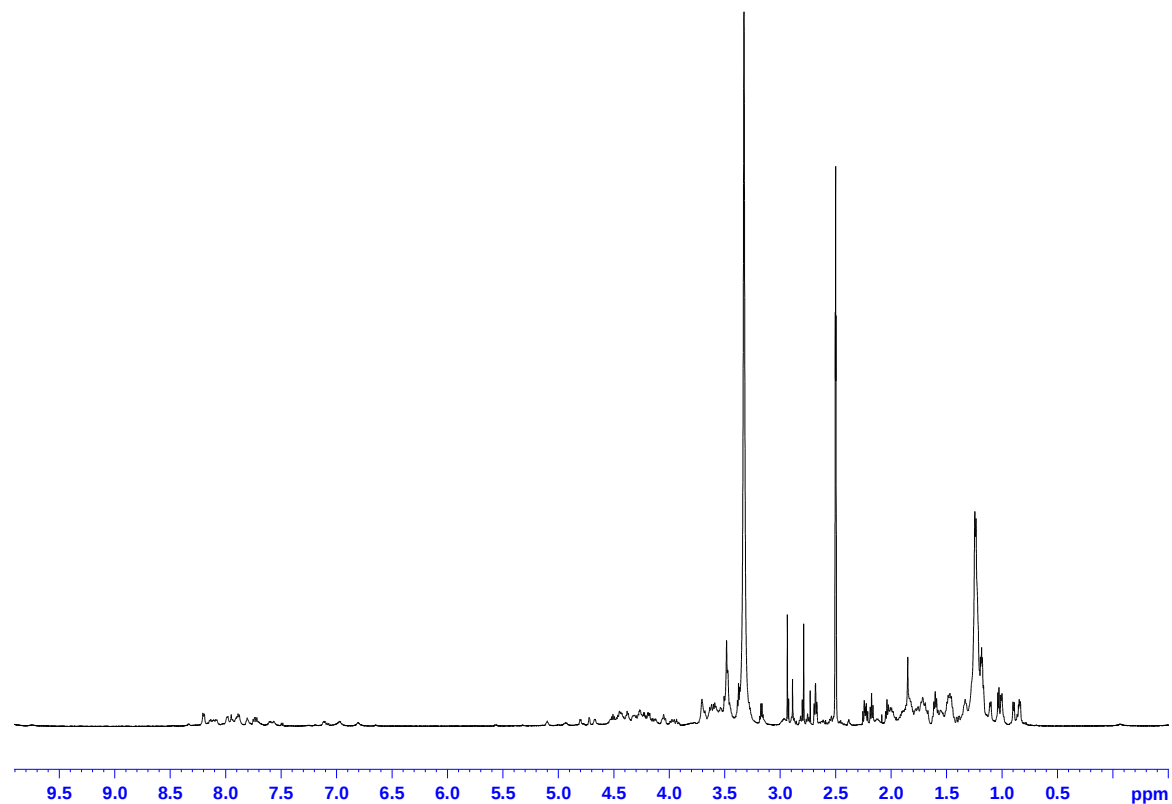
HSQC-Spectrum



Peak at 3.5 ppm in the ^1H -NMR refers to the solvent H_2O and the peak at 39.0 ppm in the ^{13}C -NMR spectrum refers to DMSO.

GP-02 coord. AuNP

^1H -NMR (600 MHz, DMSO-d_6)



COSY-Spectrum

