Supporting Information

for

Convergent synthesis of a tetrasaccharide repeating unit of the *O*-specific polysaccharide from the cell wall lipopolysaccharide of *Azospirillum brasilense* strain Sp7

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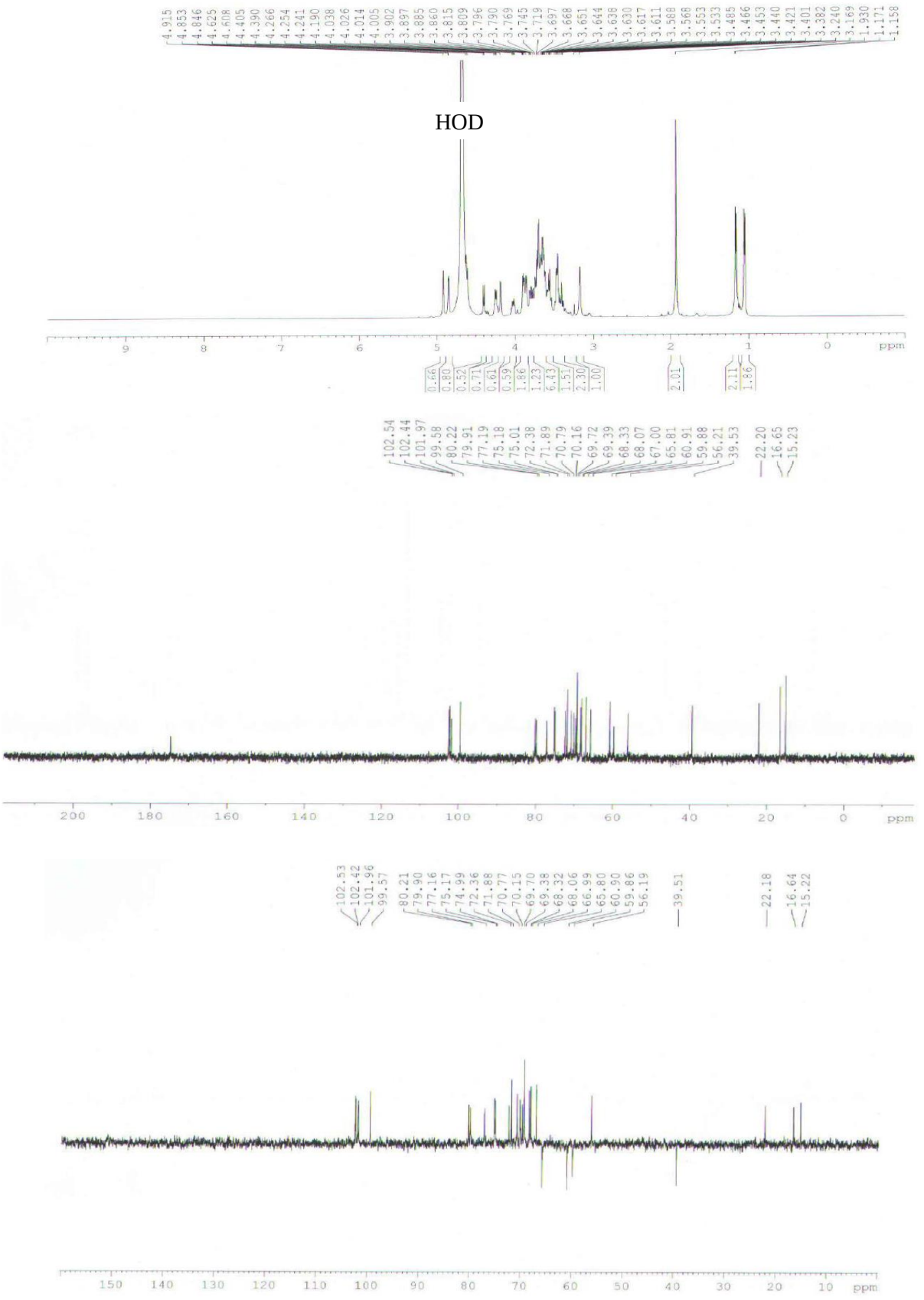
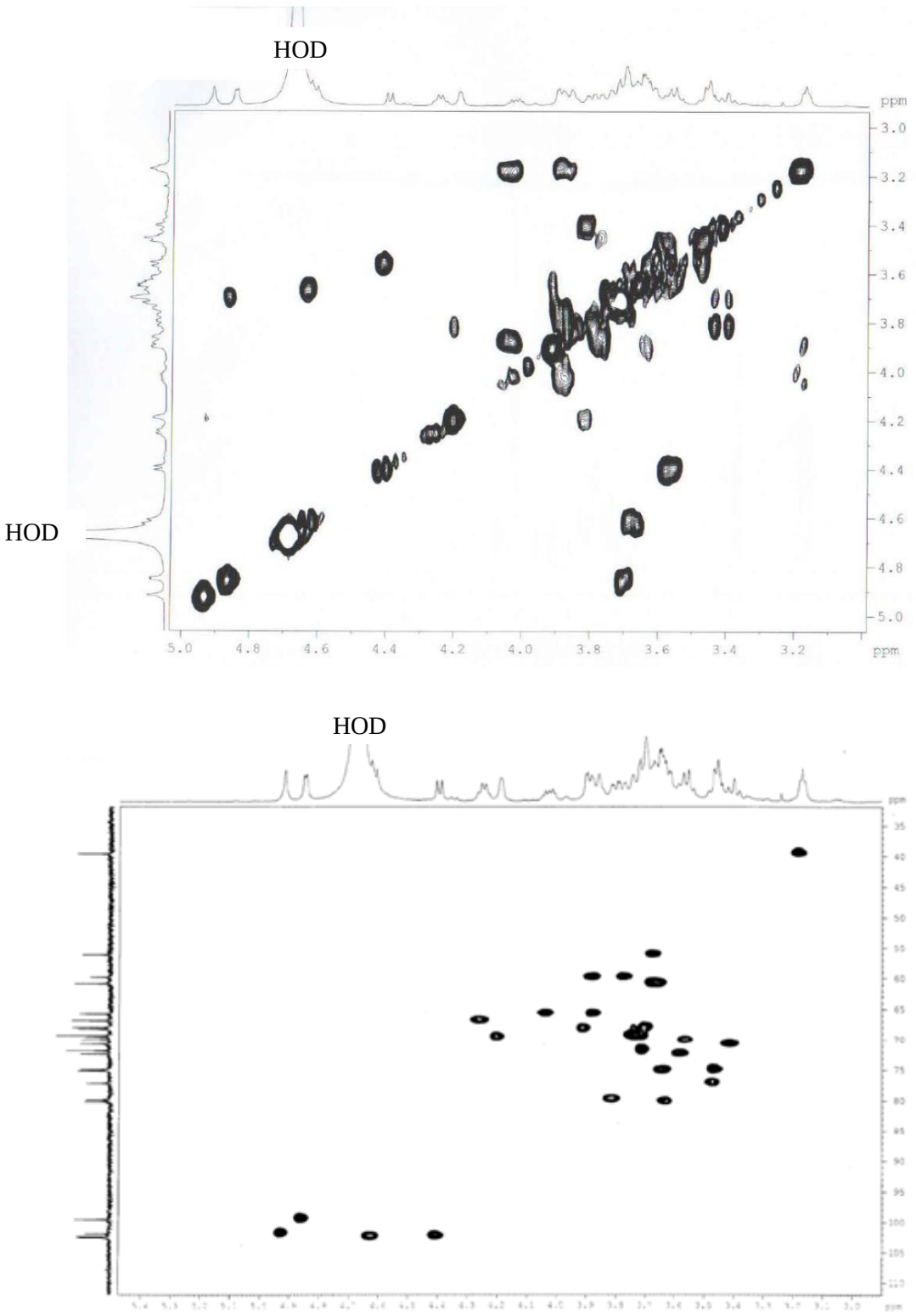
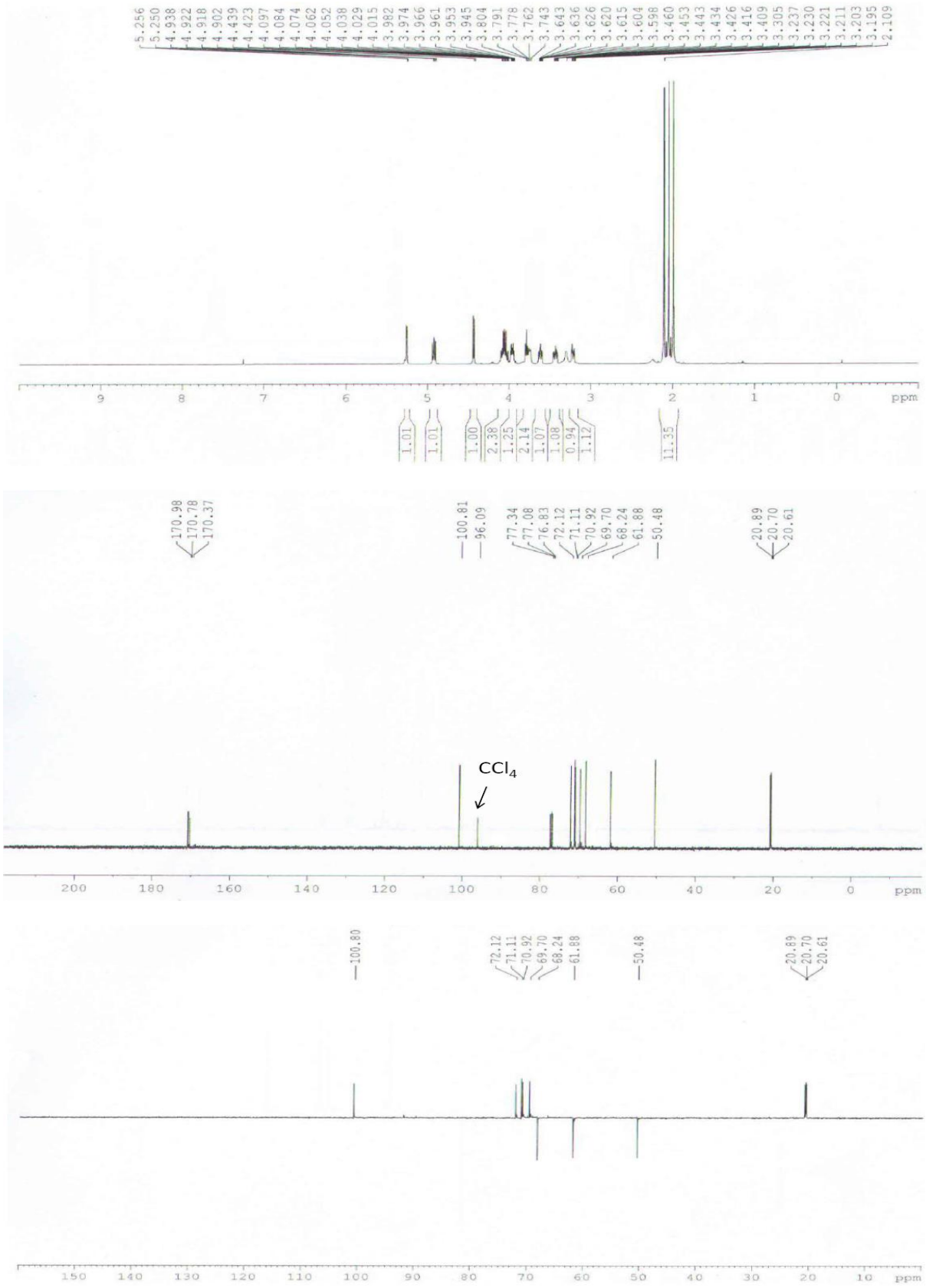
1D and 2D NMR spectra of compounds **1, 2, 7, 8, 9, 10**



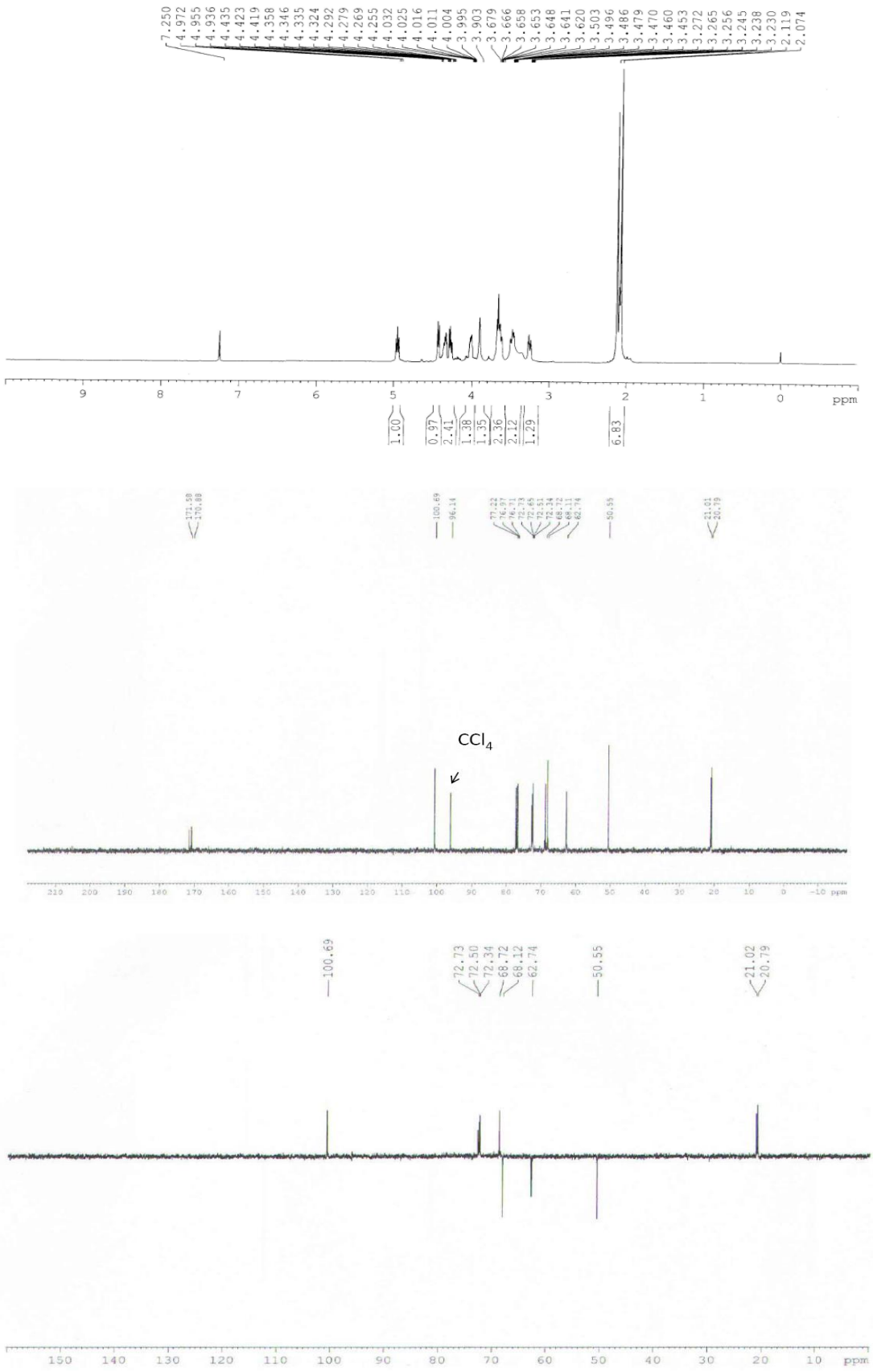
^{1}H, ^{13}C and DEPT 135 NMR spectra of 2-aminoethyl (α-L-fucopyranosyl)-(1→4)-(2-acetamido-2-deoxy-β-D-glucopyranoside)-(1→3)-(α-L-rhamnopyranosyl)-(1→3)-β-D-galactopyranoside **(1)** (D_2O).



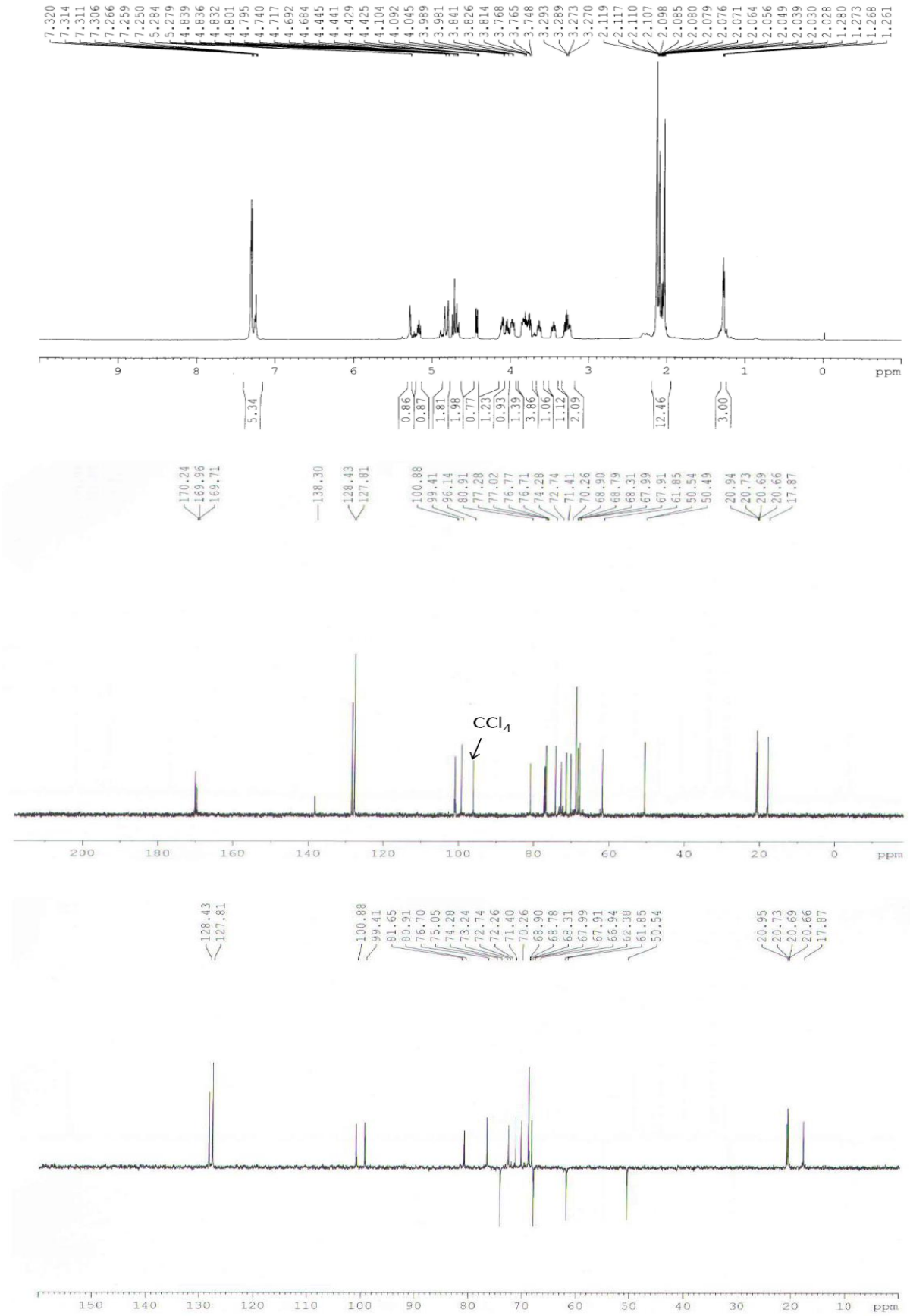
2D COSY and HSQC NMR spectra (selected regions) of 2-aminoethyl (α-L-fucopyranosyl)-(1→4)-(2-acetamido-2-deoxy-β-D-glucopyranoside)-(1→3)-(α-L-rhamnopyranosyl)-(1→3)-β-D-galactopyranoside **(1)** (D_2O).



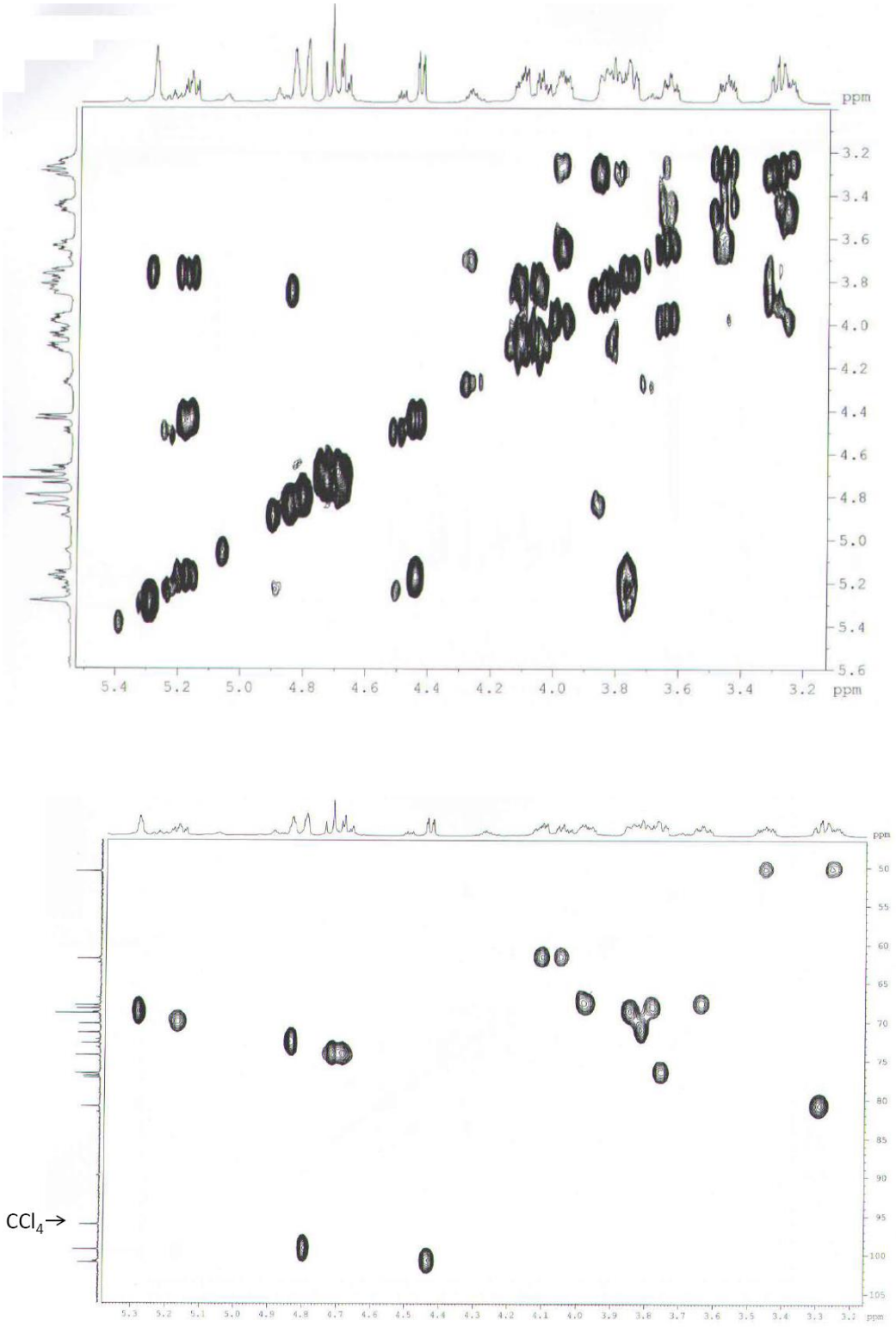
^{1}H, ^{13}C and DEPT 135 NMR spectra of 2-azidoethyl 2,4,6-tri-*O*-acetyl-β-D-galactopyranoside **(2)** ($CDCl_3$ +CCl_4).



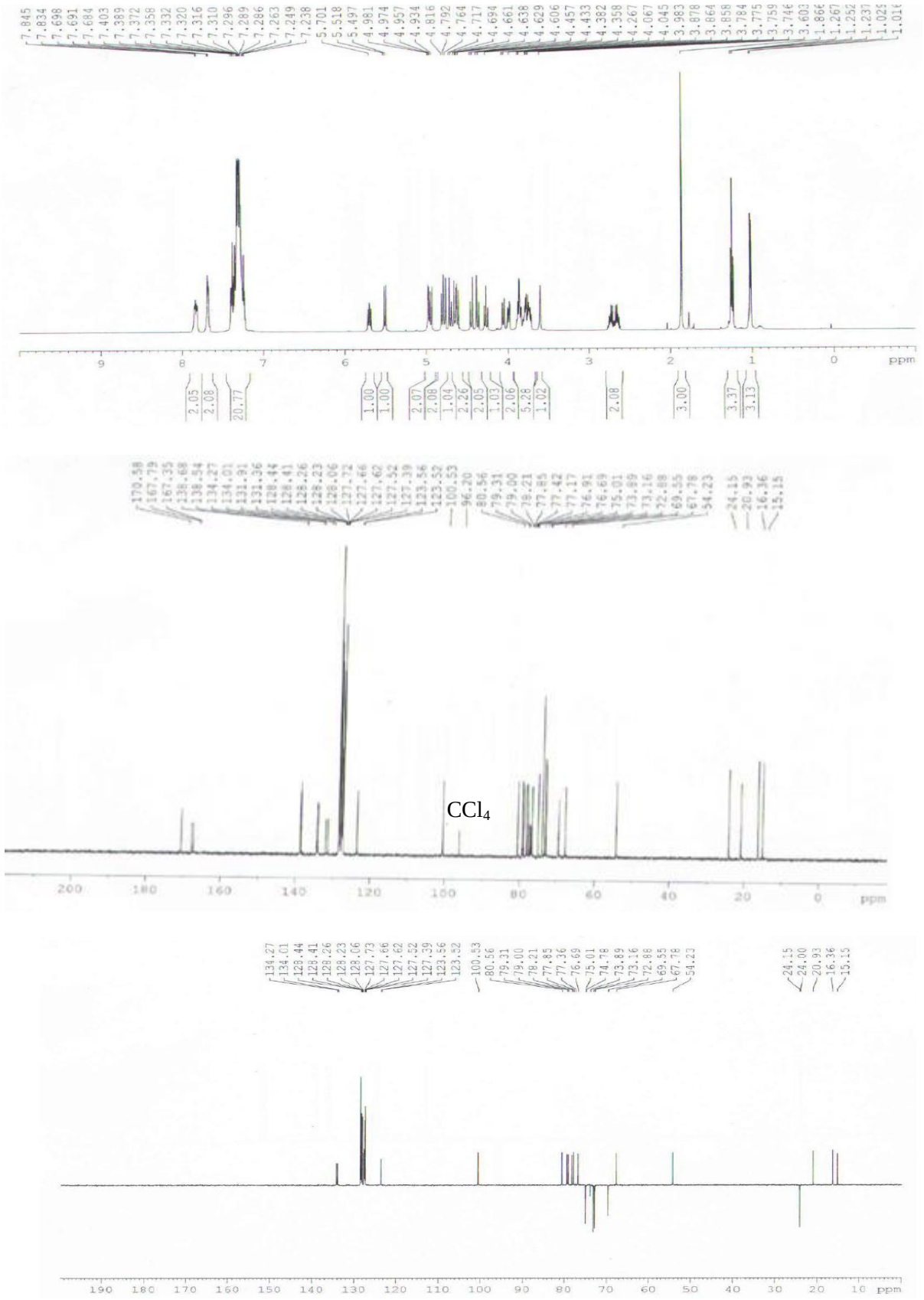
^{1}H, ^{13}C and DEPT 135 NMR spectra of 2-azidoethyl 2,6-di-*O*-acetyl-β-D-galactopyranoside **(7)** ($CDCl_3$ +CCl_4).



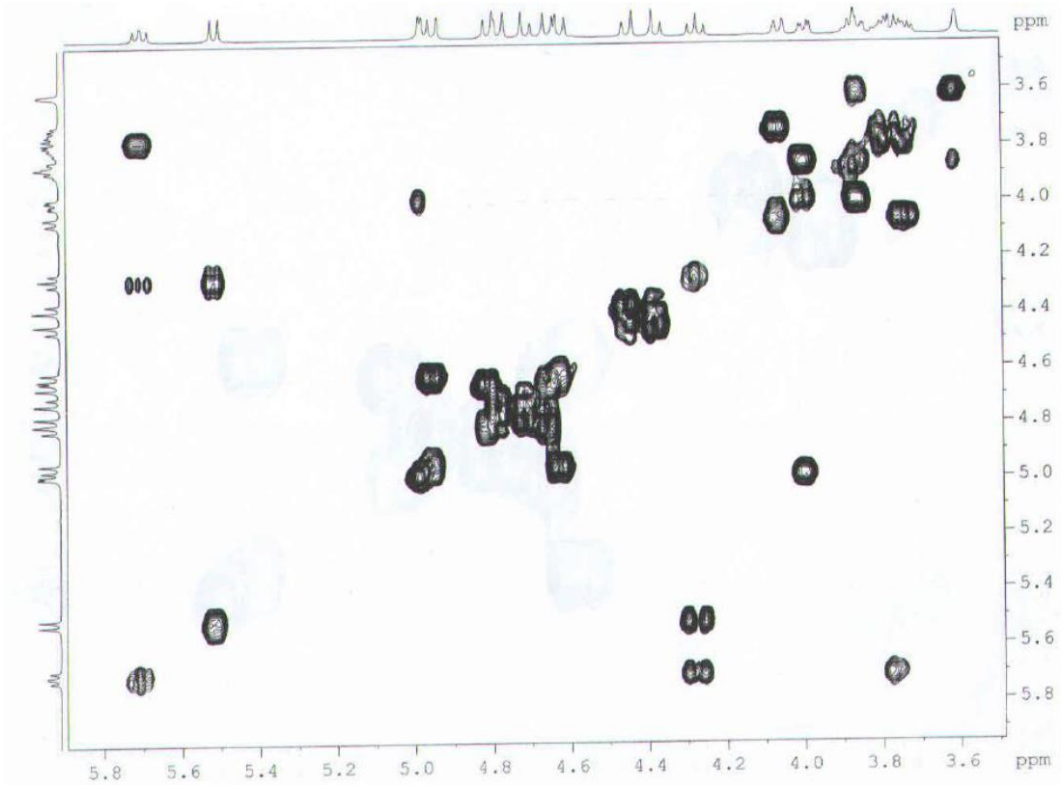
^{1}H, ^{13}C and DEPT 135 NMR spectra of 2-azidoethyl (2-*O*-acetyl-4-*O*-benzyl-α-L-rhamnopyranosyl)-(1→3)-2,4,6-tri-*O*-acetyl-β-D-galactopyranoside (**8**) ($CDCl_3$ +CCl_4).

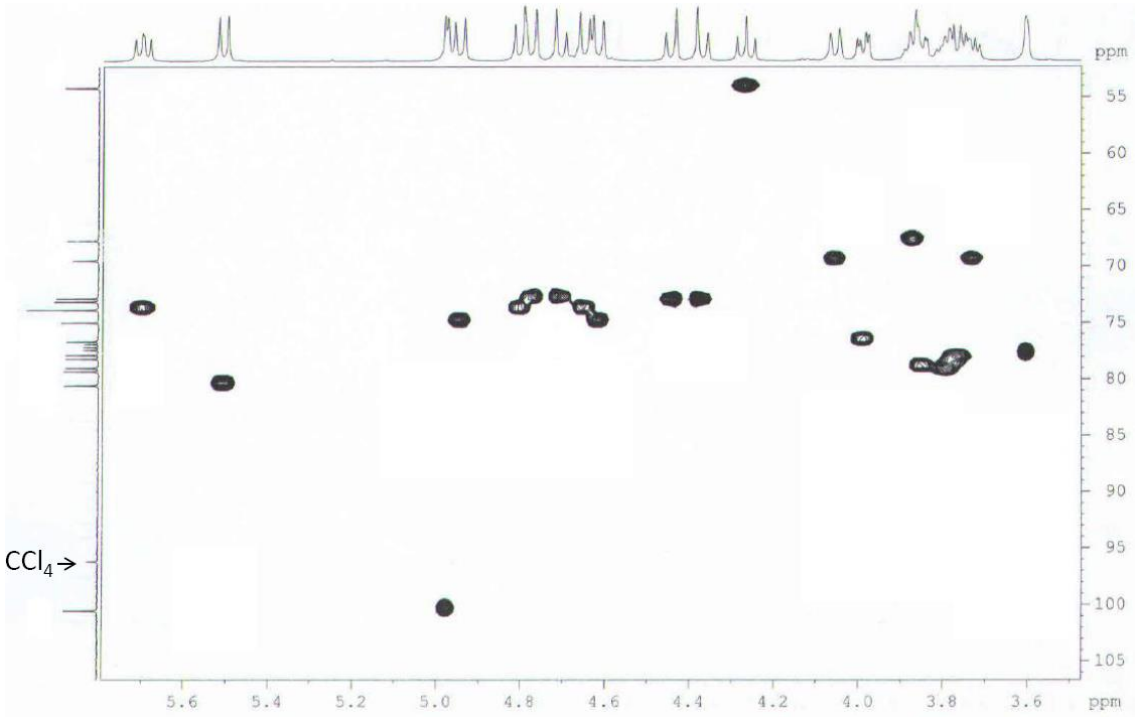


2D COSY and HSQC NMR spectra (selected regions) of 2-azidoethyl (2-*O*-acetyl-4-*O*-benzyl-α-L-rhamnopyranosyl)-(1→3)-2,4,6-tri-*O*-acetyl-β-D-galactopyranoside (**8**) ($CDCl_3$ +CCl_4).

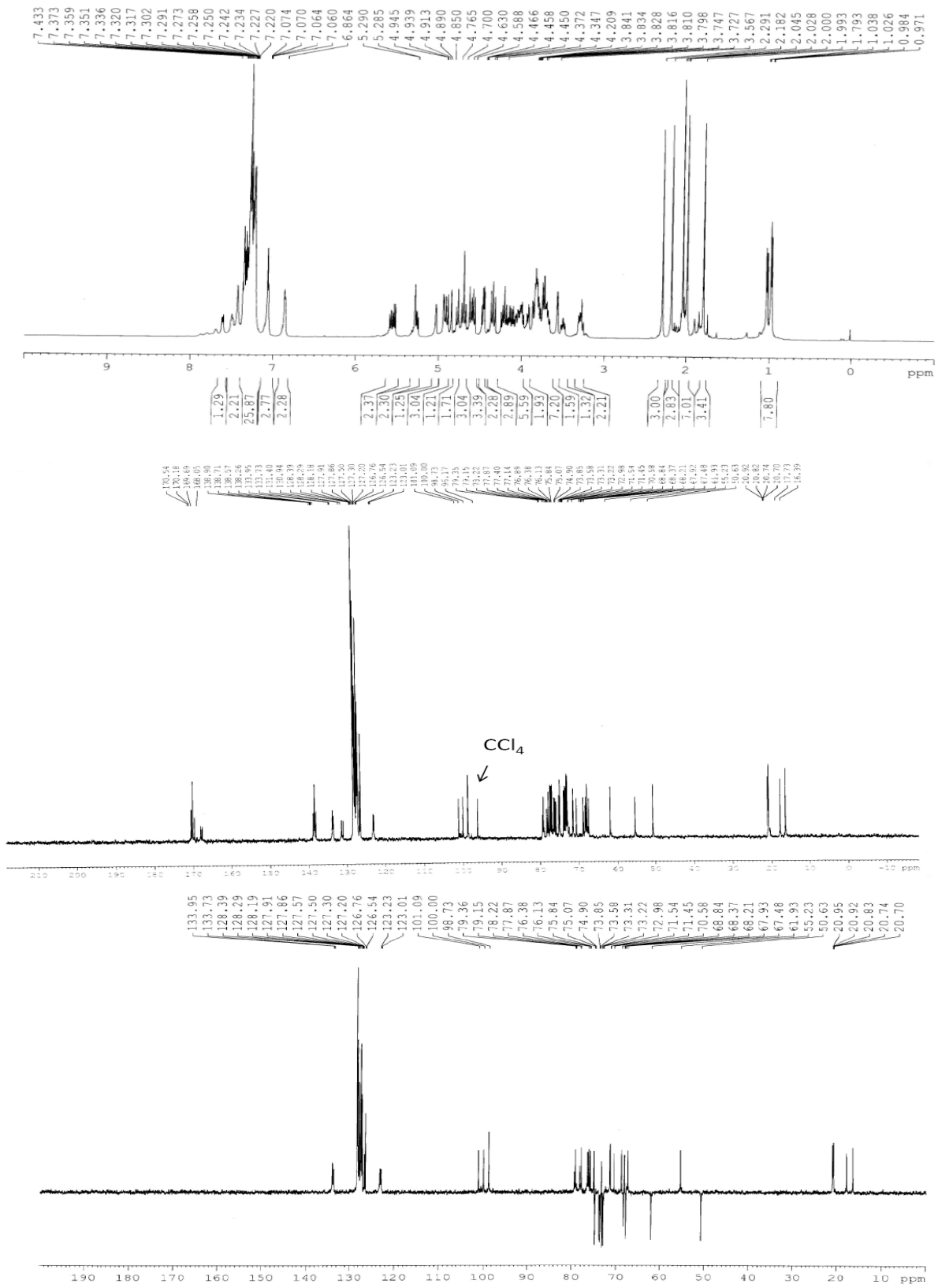


^{1}H, ^{13}C and DEPT 135 NMR spectra of ethyl (2,3,4-tri-*O*-benzyl-α-L-fucopyranosyl)-(1→4)-3-*O*-acetyl-6-*O*-benzyl-2-deoxy-2-phthalimido-1-thio-β-D-glucopyranoside (**9**) ($CDCl_3$ +CCl_4).

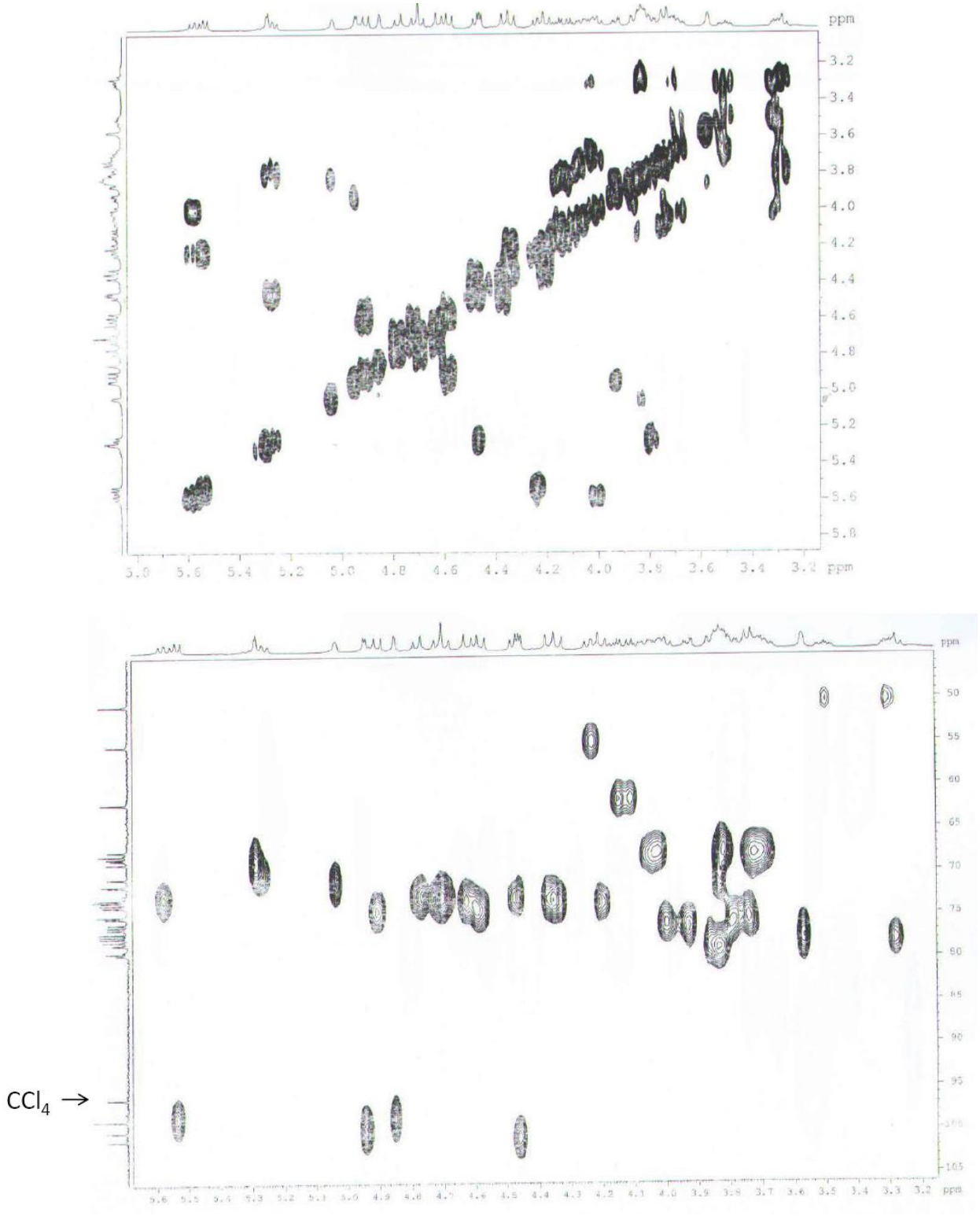




2D COSY and HSQC NMR spectra (selected regions) of ethyl (2,3,4-tri-*O*-benzyl-α-L-fucopyranosyl)-(1→4)-3-*O*-acetyl-6-*O*-benzyl-2-deoxy-2-phthalimido-1-thio-β-D-glucopyranoside (**9**) ($CDCl_3$ +CCl_4).



^{1}H, ^{13}C and DEPT 135 NMR spectra of 2-azidoethyl (2,3,4-tri-*O*-benzyl-α-L-fucopyranosyl)-(1→4)-(3-*O*-acetyl-6-*O*-benzyl-2-deoxy-2-phthalimido-β-D-glucopyranoside)-(1→3)-(2-*O*-acetyl-4-*O*-benzyl-α-L-rhamnopyranosyl)-(1→3)-2,4,6-tri-*O*-acetyl-β-D-galactopyranoside (**10**) ($CDCl_3$ +CCl_4).



2D COSY and HSQC NMR spectra (selected regions) of 2-azidoethyl (2,3,4-tri-*O*-benzyl-α-L-fucopyranosyl)-(1→4)-(3-*O*-acetyl-6-*O*-benzyl-2-deoxy-2-phthalimido-β-D-glucopyranoside)-(1→3)-(2-*O*-acetyl-4-*O*-benzyl-α-L-rhamnopyranosyl)-(1→3)-2,4,6-tri-*O*-acetyl-β-D-galactopyranoside (**10**) ($CDCl_3$ +CCl_4).