

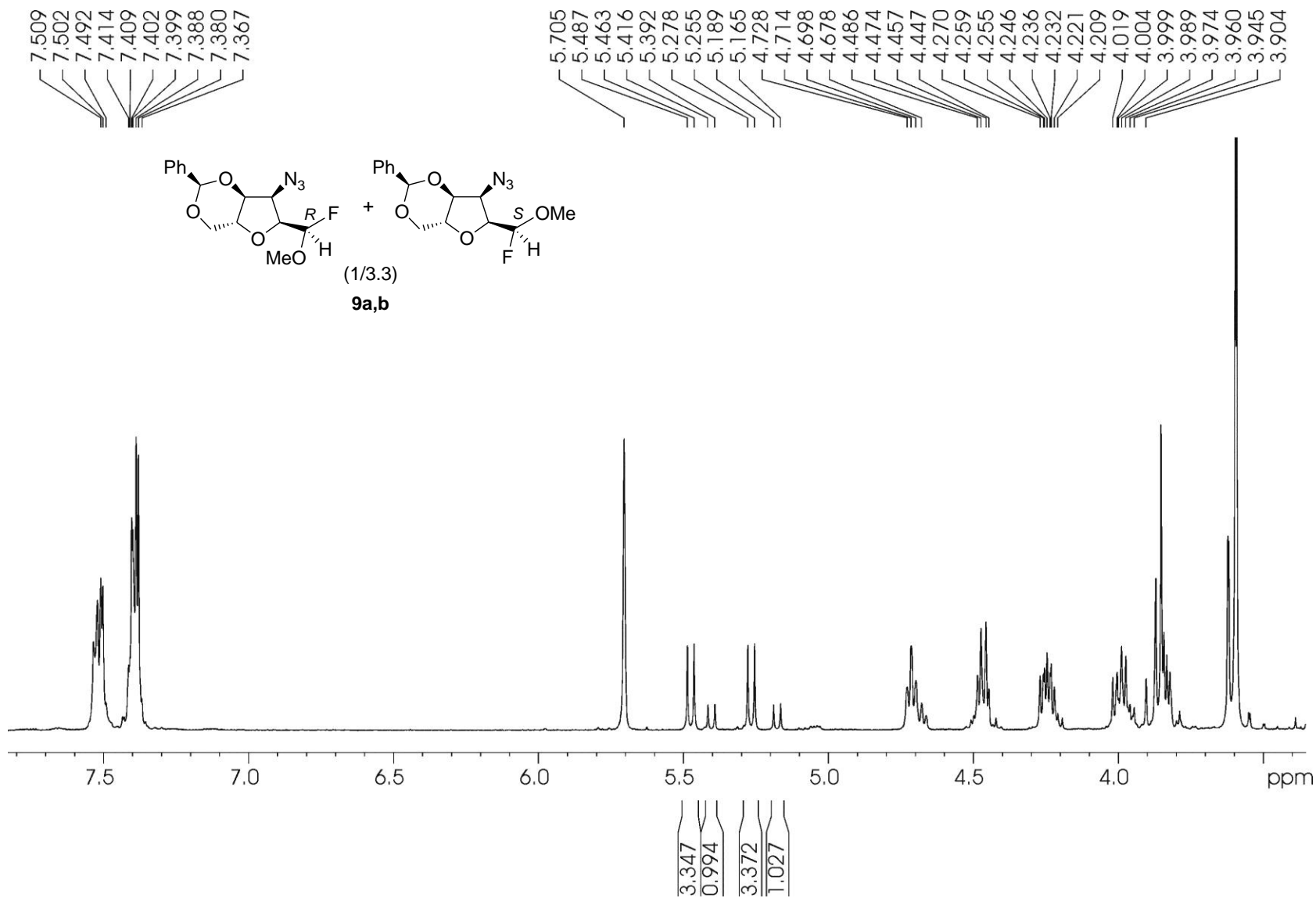
Synthesis of cyclically constrained sugar derived α/β - and α/γ -peptides

Antonio Franconetti, Sorel Jatunov, Pastora Borrachero, Manuel Gómez-Guillén, and
Francisca Cabrera-Escribano*

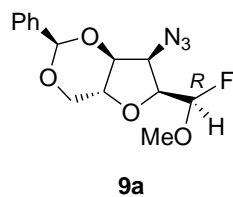
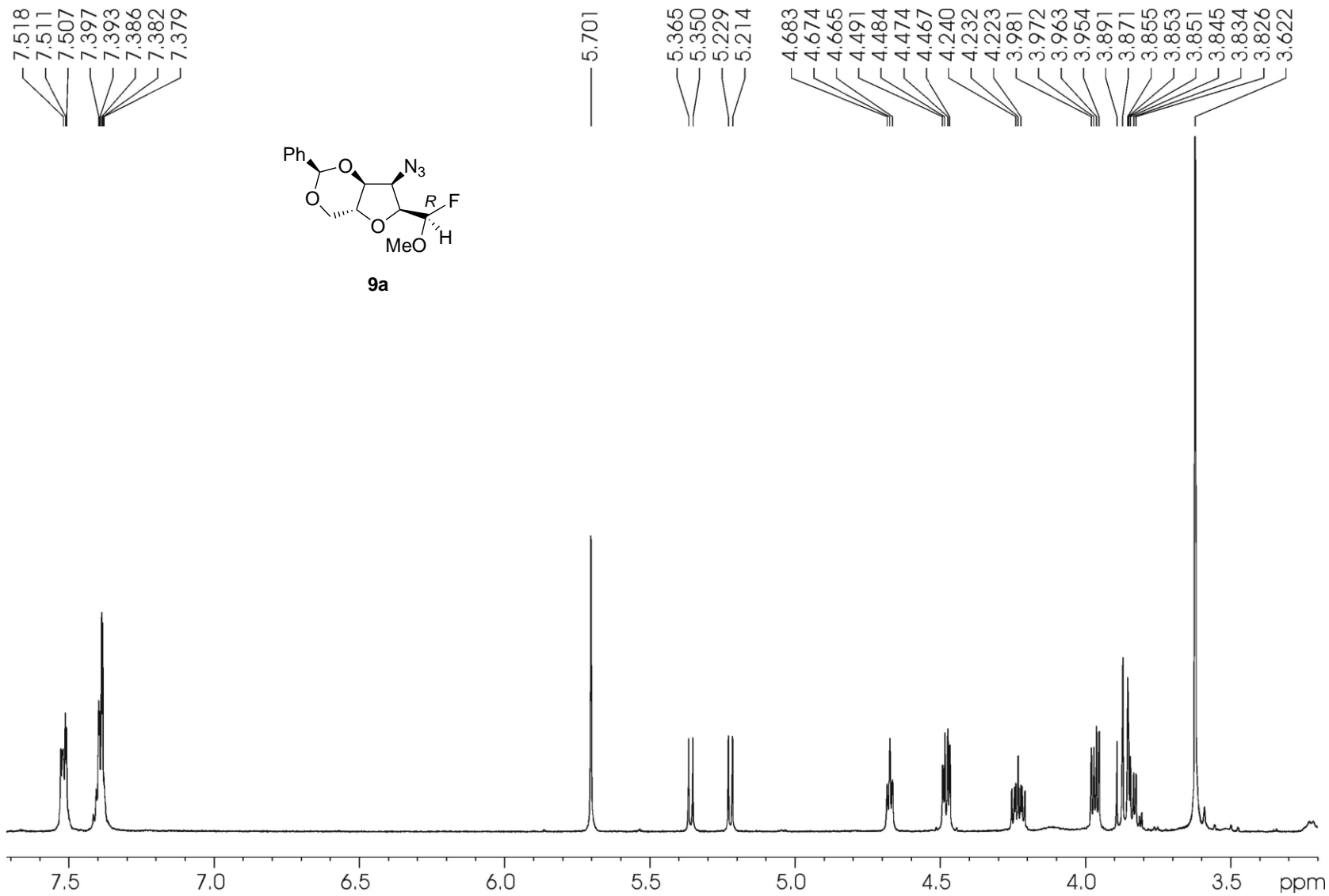
Departamento de Química Orgánica, Facultad de Química, Universidad de Sevilla, C/ Profesor
García González 1, 41012 Sevilla, Spain, Tel: +34954556868, Fax: +34954624960
E-mail: fcabrera@us.es

SUPPORTING INFORMATION

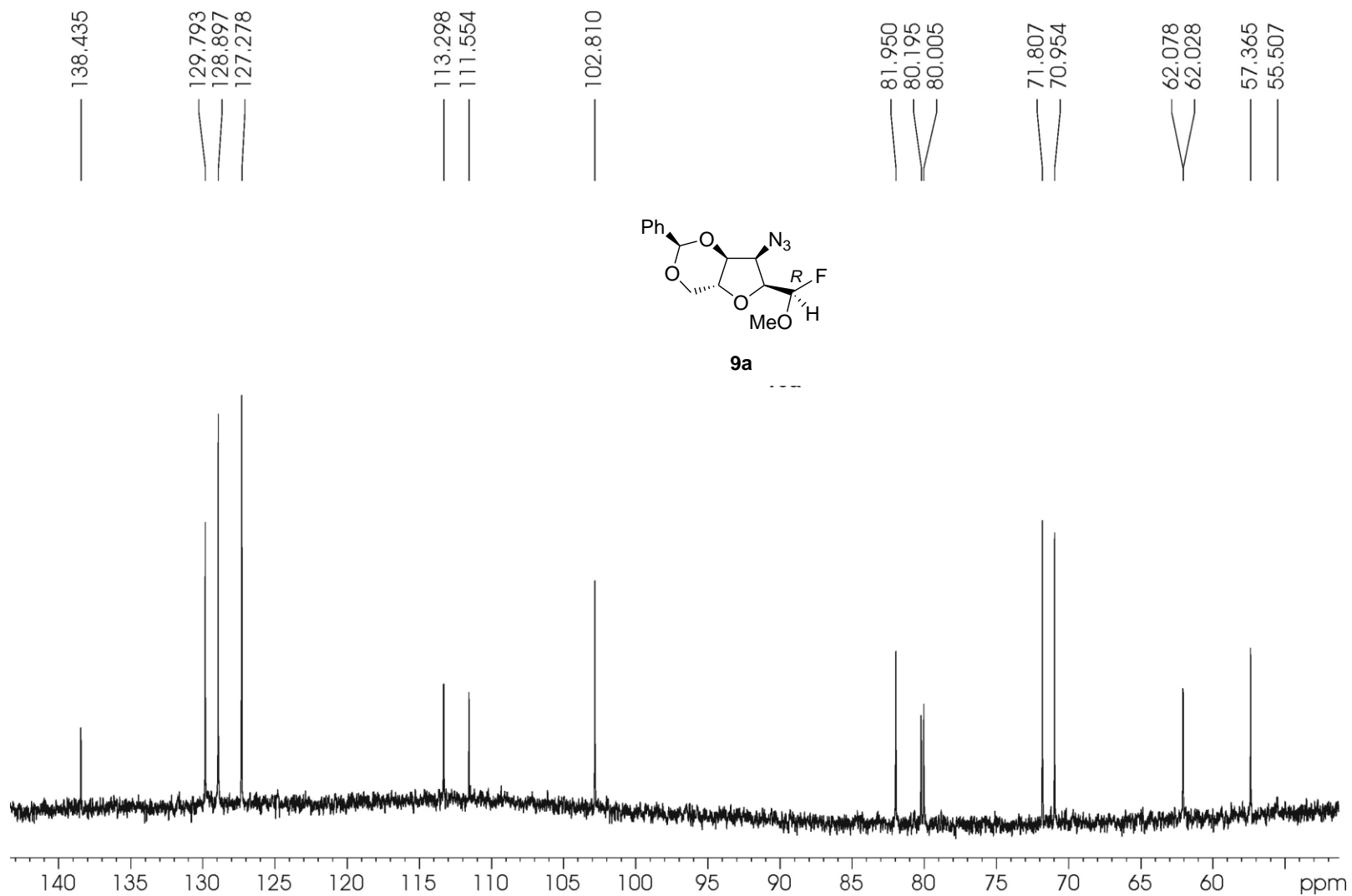
| CONTENTS | Page |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| (1R and 1S)-2,5-Anhydro-3-azido-4,6- <i>O</i> -benzylidene-3-deoxy-1-fluoro-1- <i>O</i> -methyl-D-altritol (9a , 9b), ^1H NMR | S2 |
| (1R)-2,5-Anhydro-3-azido-4,6- <i>O</i> -benzylidene-3-deoxy-1-fluoro-1- <i>O</i> -methyl-D-altritol (9a), ^1H NMR and ^{13}C NMR | S3 |
| (1S)-2,5-Anhydro-3-azido-4,6- <i>O</i> -benzylidene-3-deoxy-1-fluoro-1- <i>O</i> -methyl-altritol (9b), ^1H NMR and ^{13}C NMR | S5 |
| 2,5-Anhydro-3-azido-3-deoxy- <i>aldehydo</i> -D-altrose dimethylacetal (10), ^1H NMR and ^{13}C NMR | S7 |
| 4,6-Di- <i>O</i> -acetyl-2,5-anhydro-3-azido-3-deoxy- <i>aldehydo</i> -D-altrose dimethylacetal (11), ^1H NMR and ^{13}C NMR | S9 |
| 4,6-Di- <i>O</i> -acetyl-2,5-anhydro-3-azido-3-deoxy-D-altronic acid (12), ^1H NMR and ^{13}C NMR | S11 |
| 4,6-Di- <i>O</i> -acetyl-2,5-anhydro-3-azido-3-deoxy- <i>N</i> -(ethoxycarbonyl-methyl)- α -D-altruronamide (13), ^1H NMR and ^{13}C NMR | S13 |
| 2,5-Anhydro-3-azido-6- <i>O</i> -benzyl-3-deoxy-1- <i>O</i> -methyl-D-altritol (14), ^1H NMR and ^{13}C NMR | S15 |
| 2,5-Anhydro-3-amino-6- <i>O</i> -benzyl-3-deoxy-1- <i>O</i> -methyl-D-altritol (15), ^1H NMR and ^{13}C NMR | S17 |
| 2,5-Anhydro-3- <i>N</i> -(tercbutoxycarbonylamino-6- <i>O</i> -benzyl-3-deoxy-1- <i>O</i> -methyl-D-altritol (16), ^1H NMR and ^{13}C NMR | S19 |
| 4,6-Di- <i>O</i> -acetyl-2,5-anhydro-3-azido-3-deoxy-D-altrose (17), ^1H NMR and ^{13}C NMR | S21 |
| 4,6-Di- <i>O</i> -acetyl-2,5-anhydro-3-azido-3-deoxy-D-altritol (18), ^1H NMR and ^{13}C NMR | S23 |
| Methyl 3-azido-2,4di- <i>O</i> -acetyl-3-deoxy- α -D-allopyranosiduronic acid (21), ^1H NMR and ^{13}C NMR | S25 |
| Methyl 3-azido-2- <i>O</i> -benzoyl-3-deoxy- α -D-allopyranoside (24), ^1H NMR and ^{13}C NMR | S27 |
| Ethyl [methyl 3-azido-2- <i>O</i> -benzoyl-3-deoxy- α -D-allopyranosiduronyl]-glycinate (26), ^1H NMR and ^{13}C NMR | S29 |
| Methyl (methyl 3-azido-2- <i>O</i> -benzoyl-3-deoxy- α -D-allopyranosid) uronate (28), ^1H NMR and ^{13}C NMR | S31 |
| Methyl [methyl 2- <i>O</i> -benzoyl-3-(<i>N</i> - <i>tert</i> -butoxycarbonyl-glycylamido)-3-deoxy- α -D-allopyranosid]uronate (30), ^1H NMR and ^{13}C NMR | S33 |
| Ethyl [methyl 2- <i>O</i> -benzoyl-3-(<i>N</i> - <i>tert</i> -butoxycarbonyl-glycylamido)-3-deoxy- α -D-allopyranosid]uronyl-glycinate (31), ^1H NMR and ^{13}C NMR | S35 |



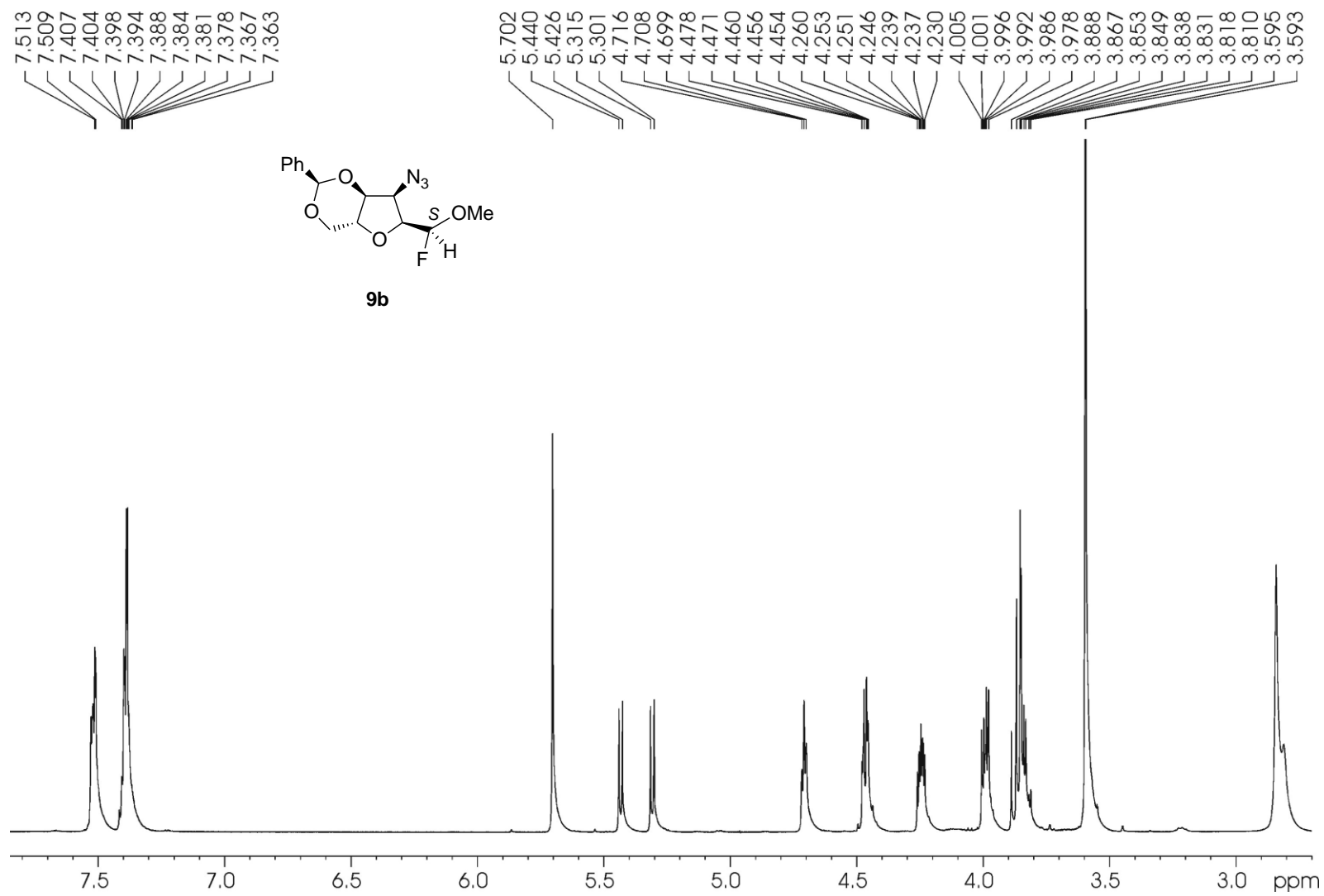
(1R and 1S)-2,5-Anhydro-3-azido-4,6-O-benzylidene-3-deoxy-1-fluoro-1-O-methyl-D-altritol (9a,b)



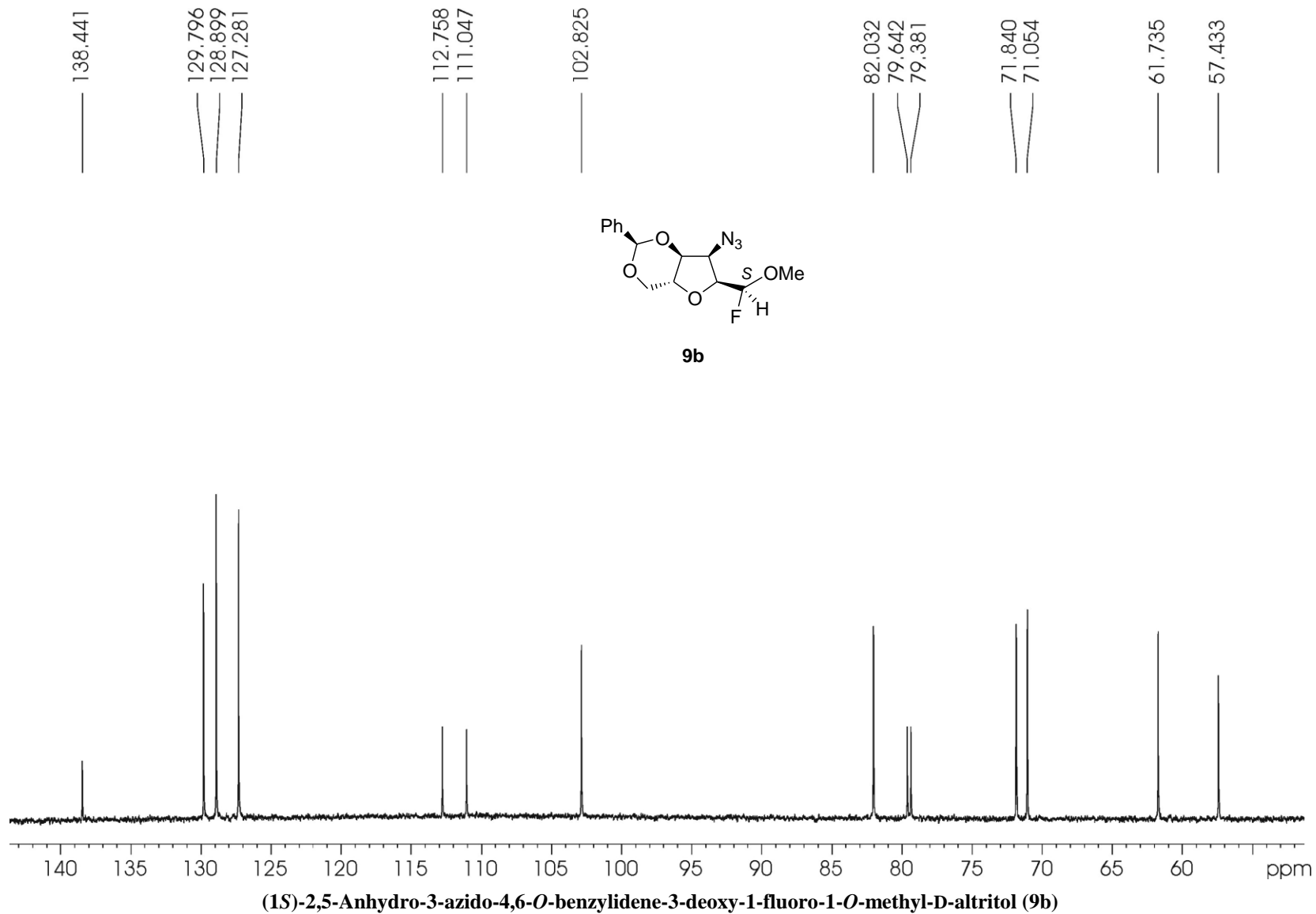
(1R)-2,5-Anhydro-3-azido-4,6-O-benzylidene-3-deoxy-1-fluoro-1-O-methyl-D-altritol (9a)

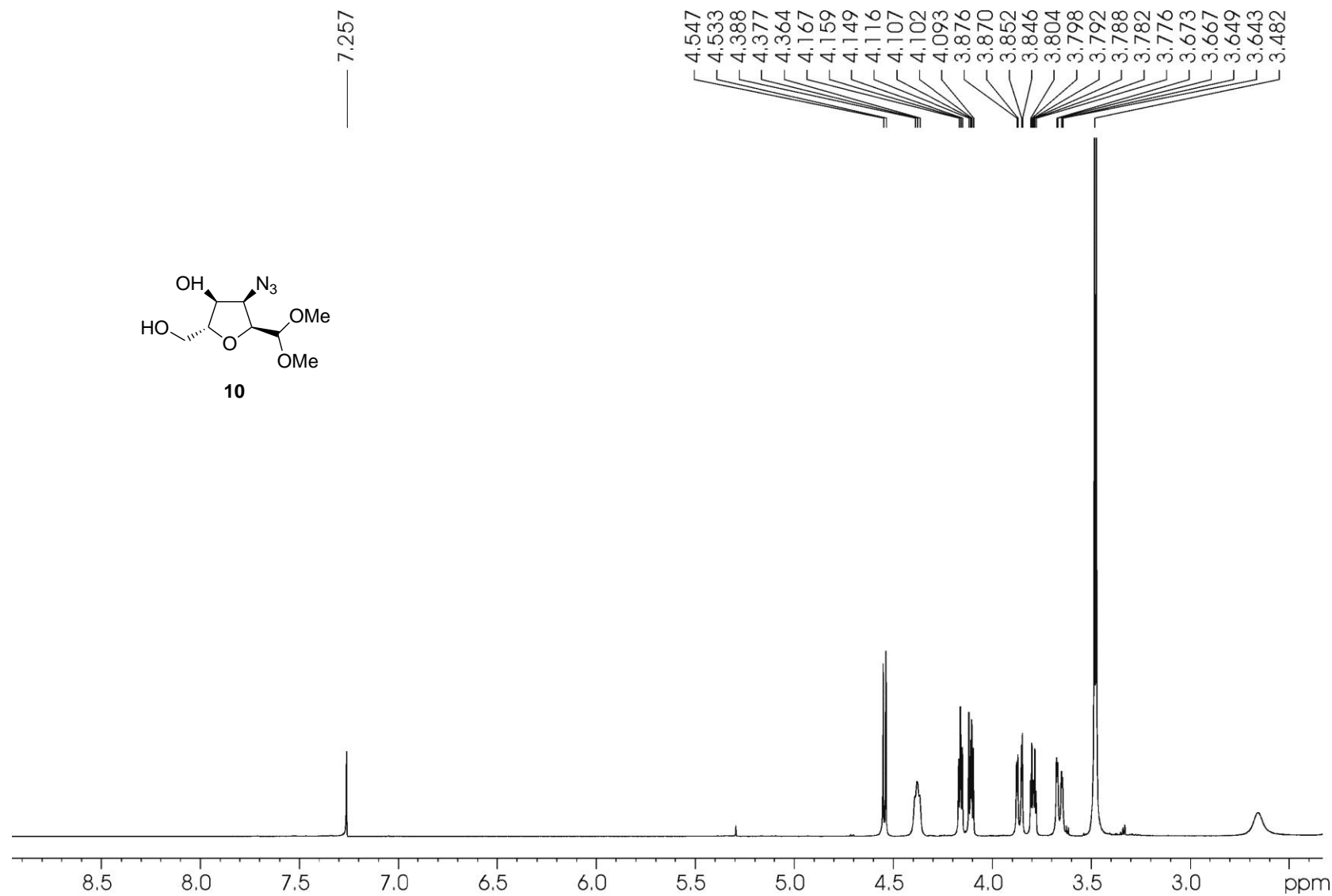


(1*R*)-2,5-Anhydro-3-azido-4,6-*O*-benzylidene-3-deoxy-1-fluoro-1-*O*-methyl-D-altritol (9a)

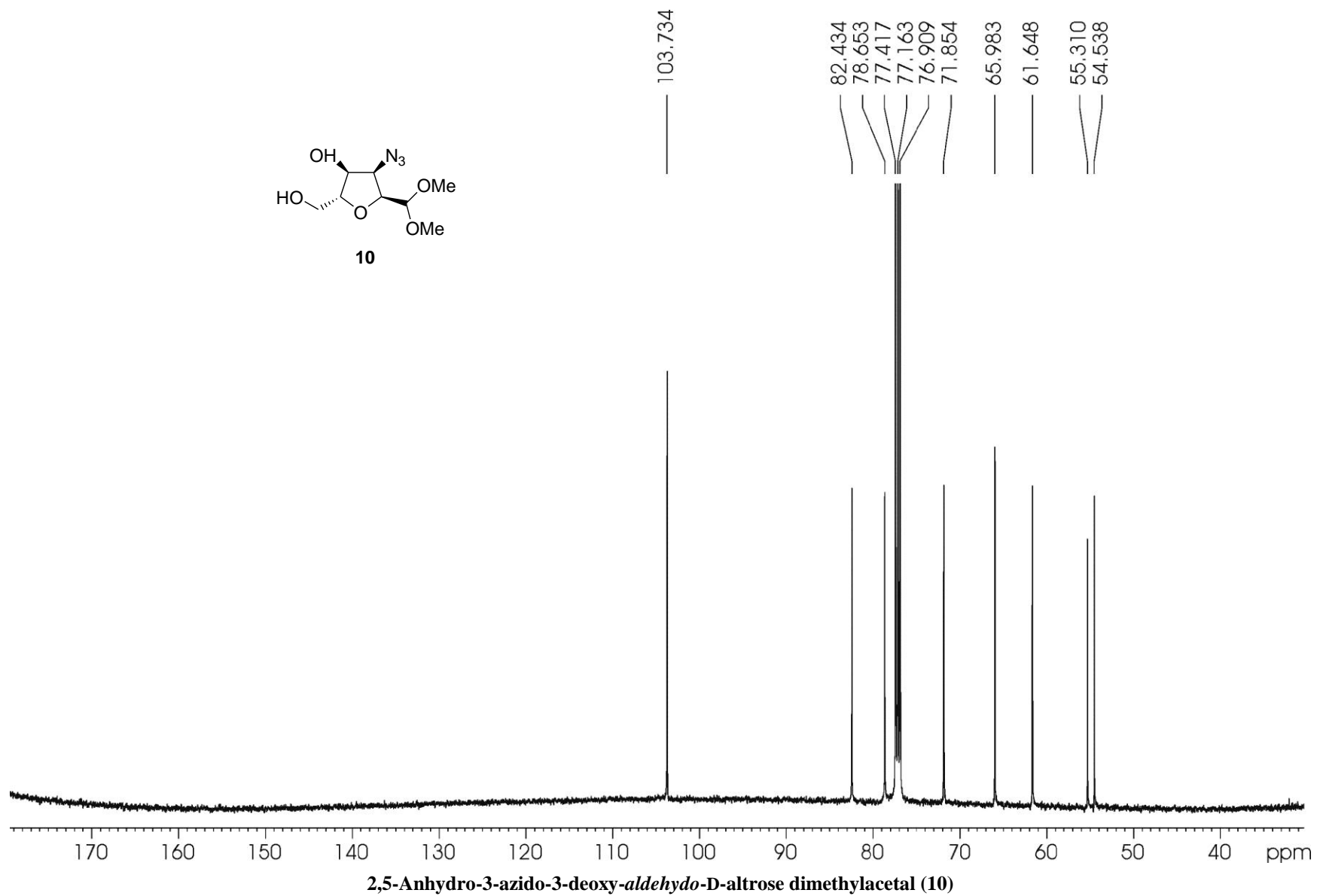


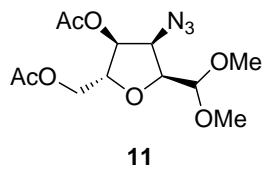
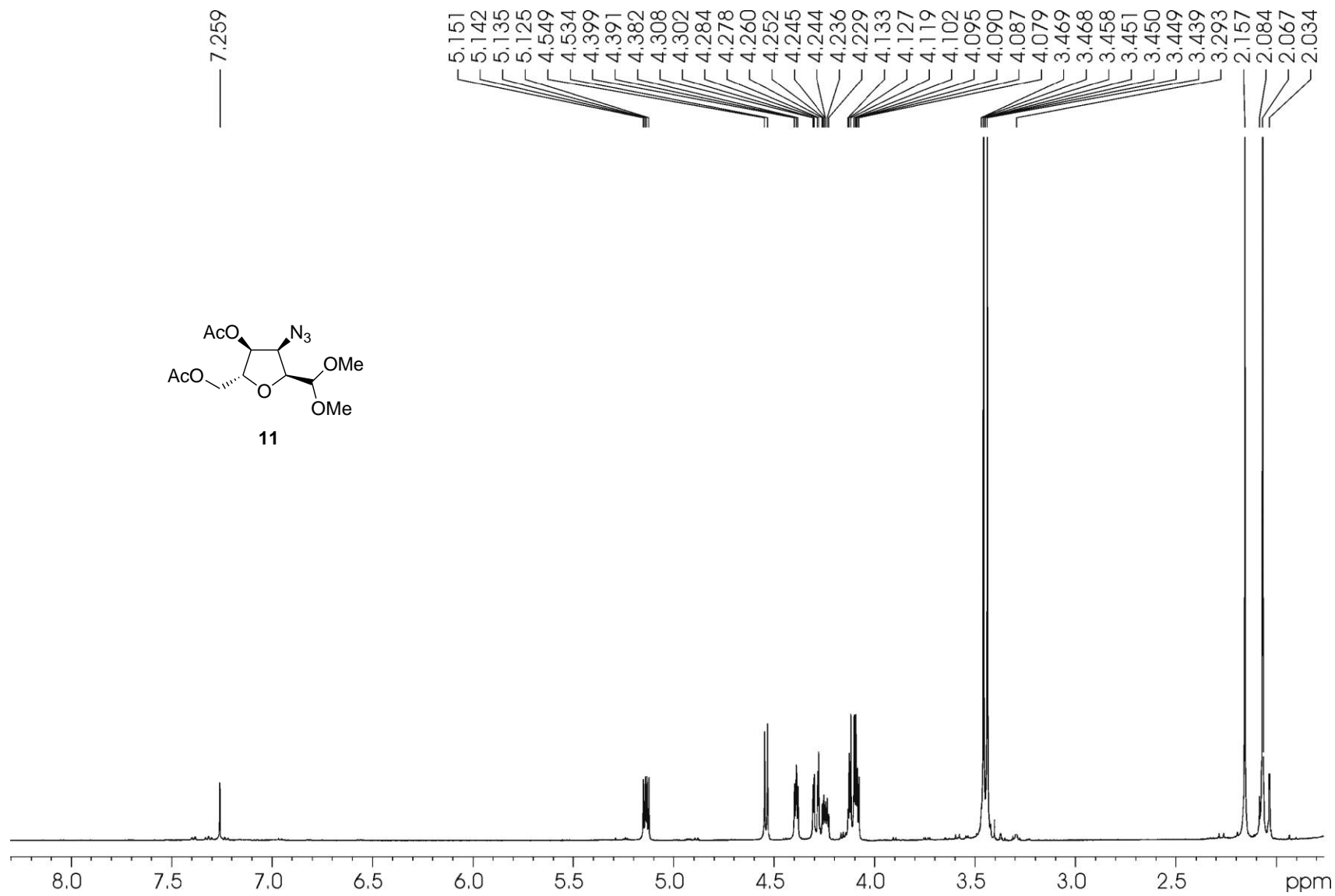
(1S)-2,5-Anhydro-3-azido-4,6-O-benzylidene-3-deoxy-1-fluoro-1-O-methyl-D-altritol (**9b**)



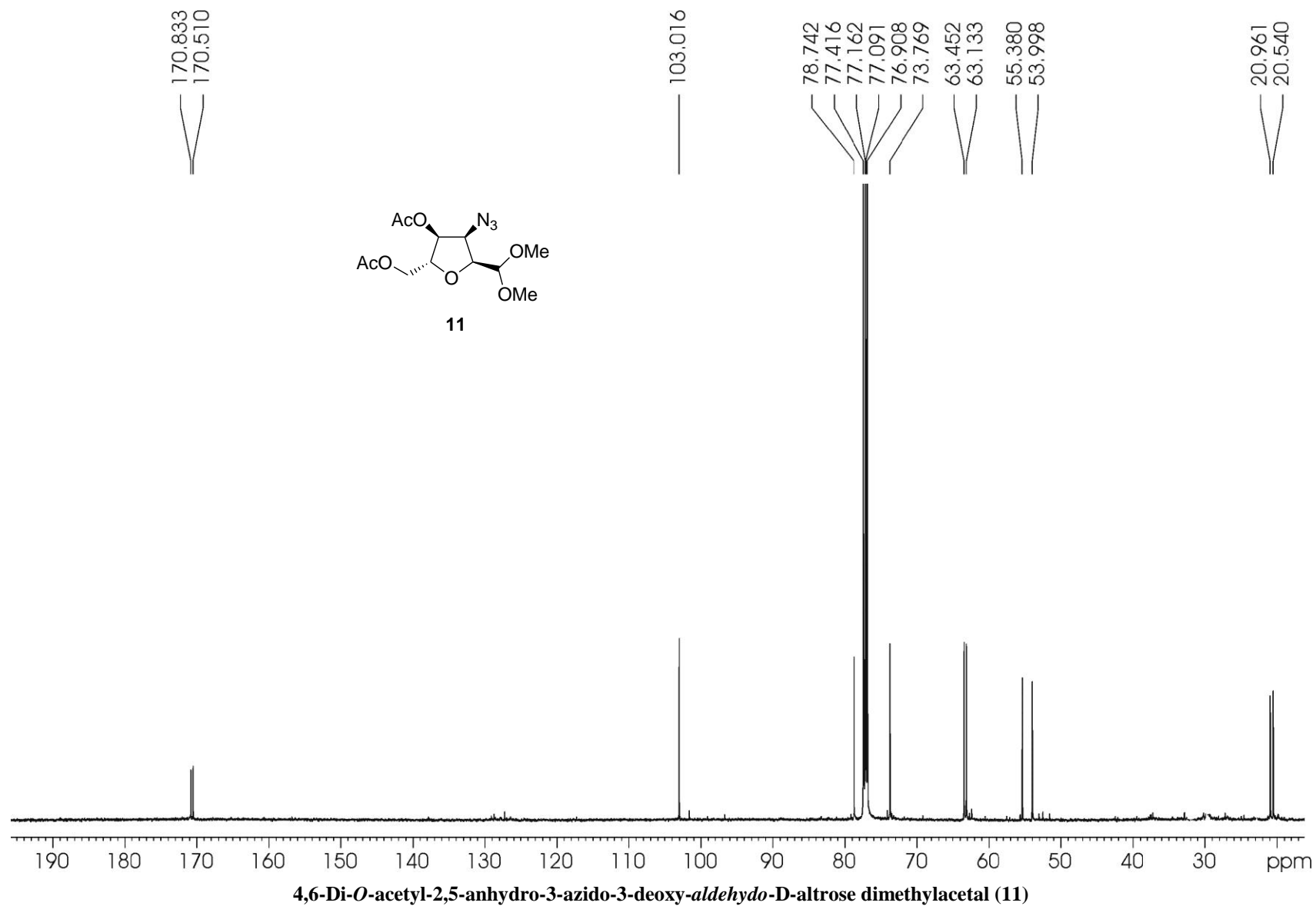


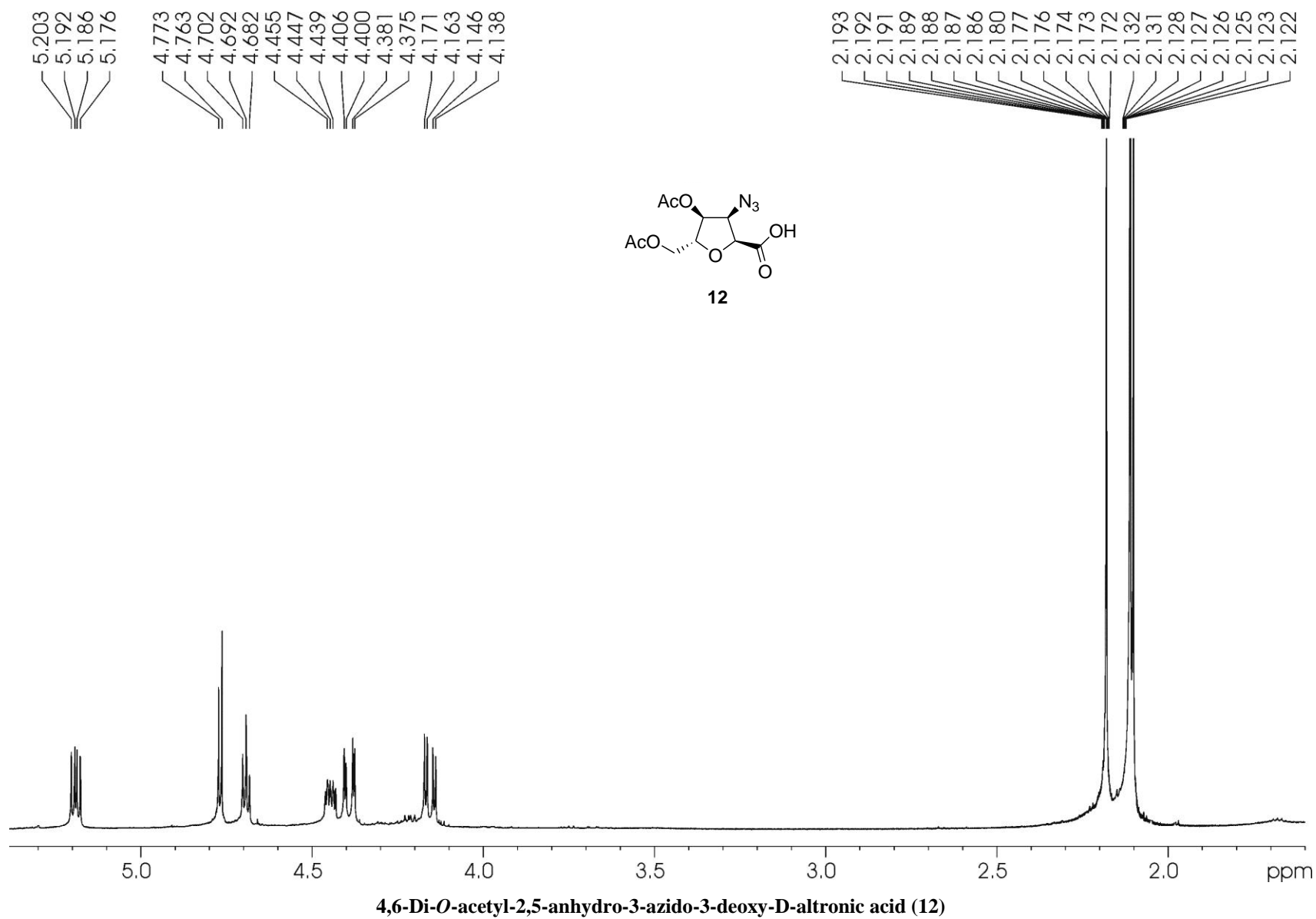
2,5-Anhydro-3-azido-3-deoxy-*D*-altrose dimethylacetal (10)

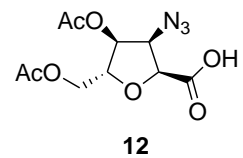
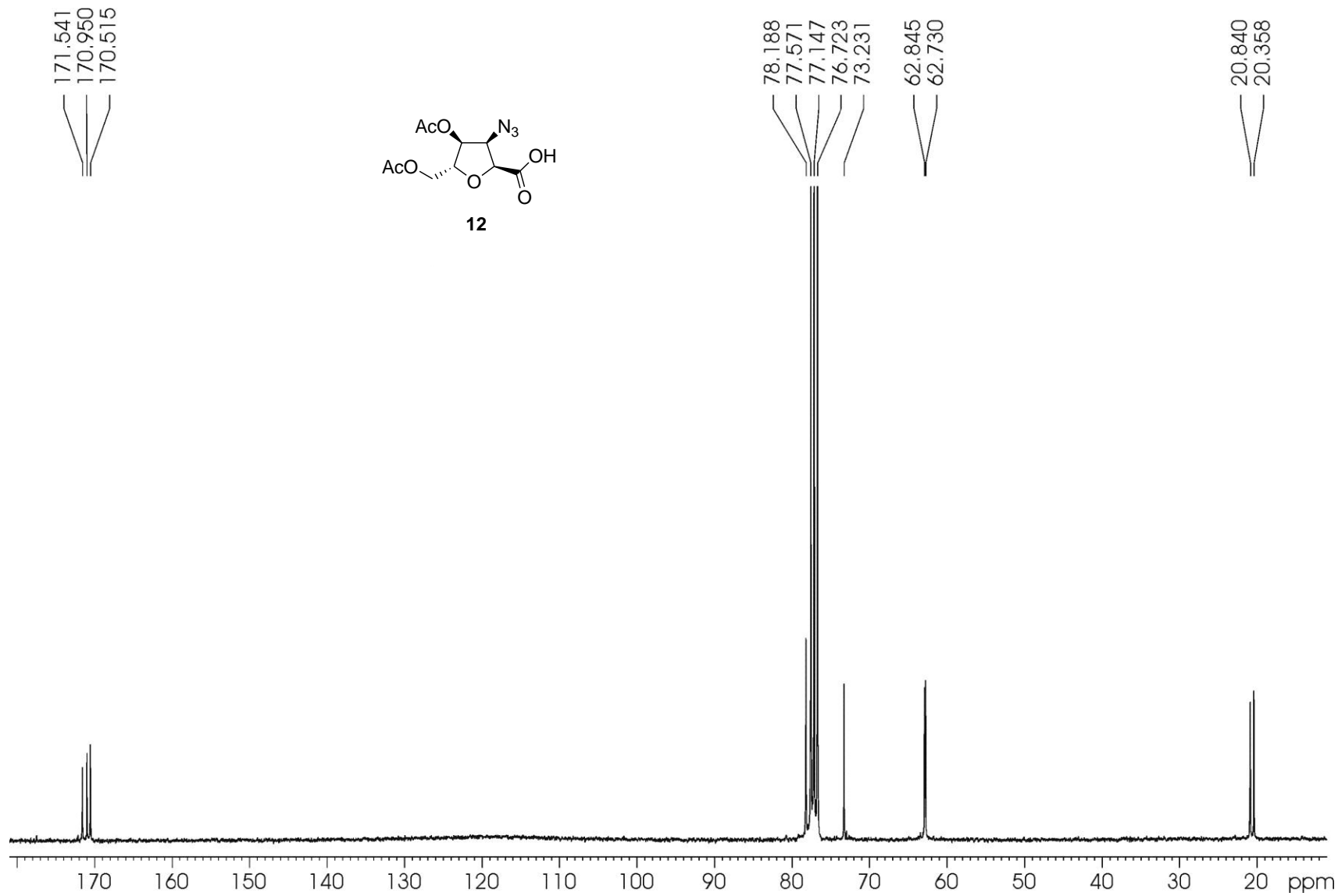




4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-aldehydro-D-altrose dimethylacetal (11)

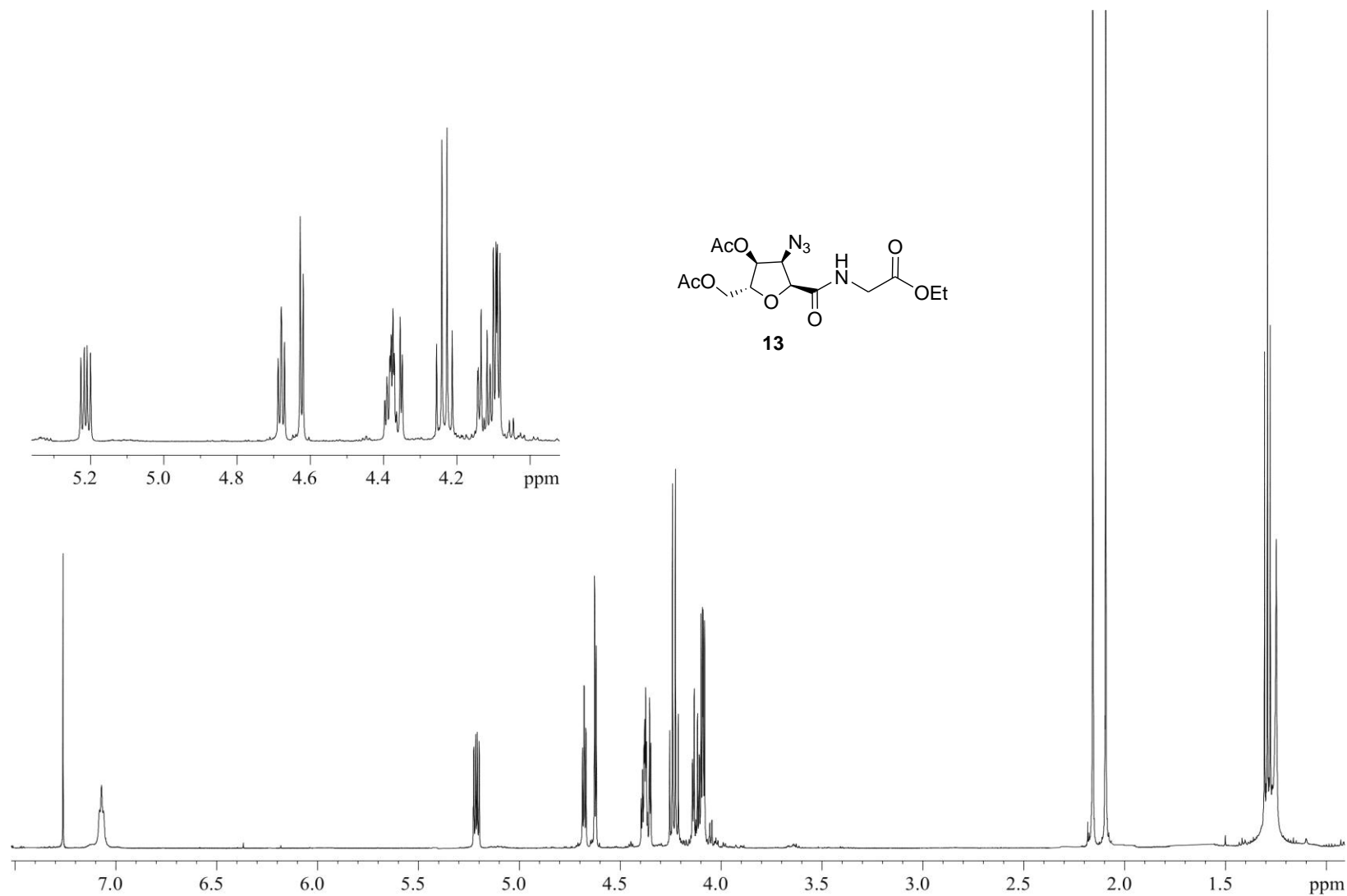






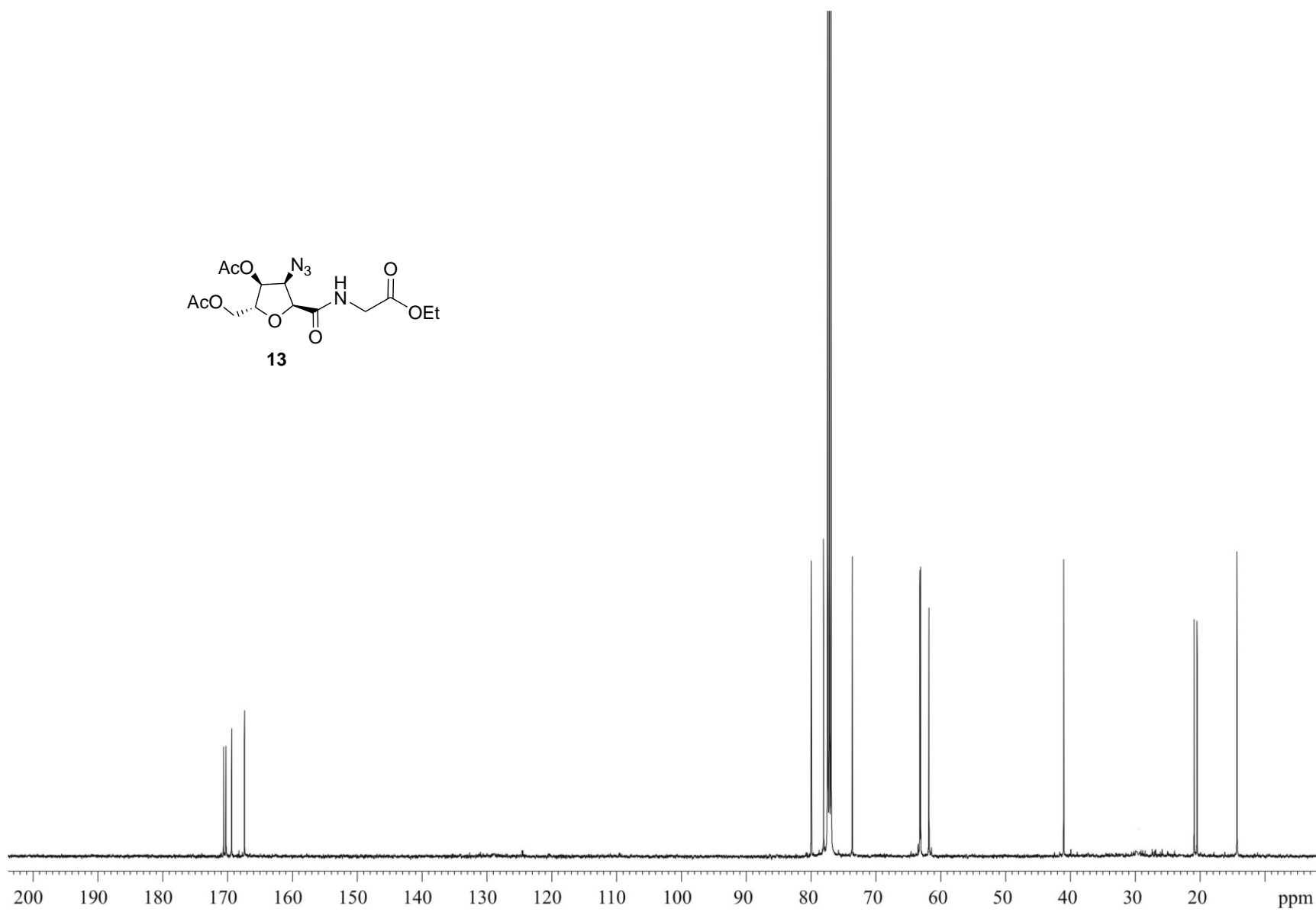
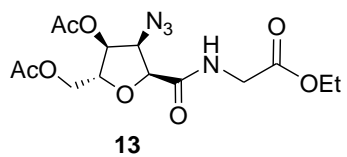
4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-D-altronic acid (12)

S12

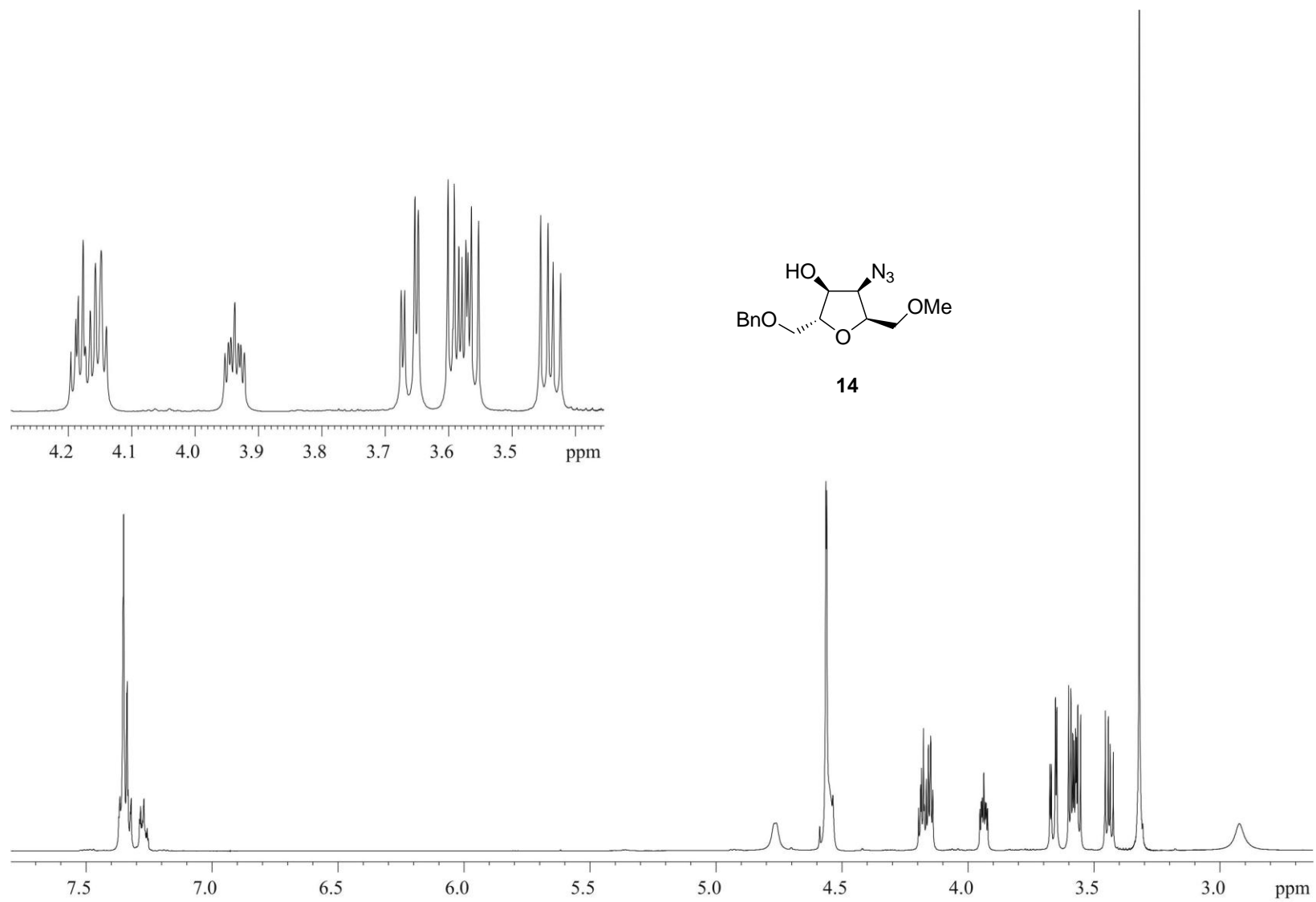


4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-N-(ethoxycarbonylmethyl)- α -D-altruronamide (13)

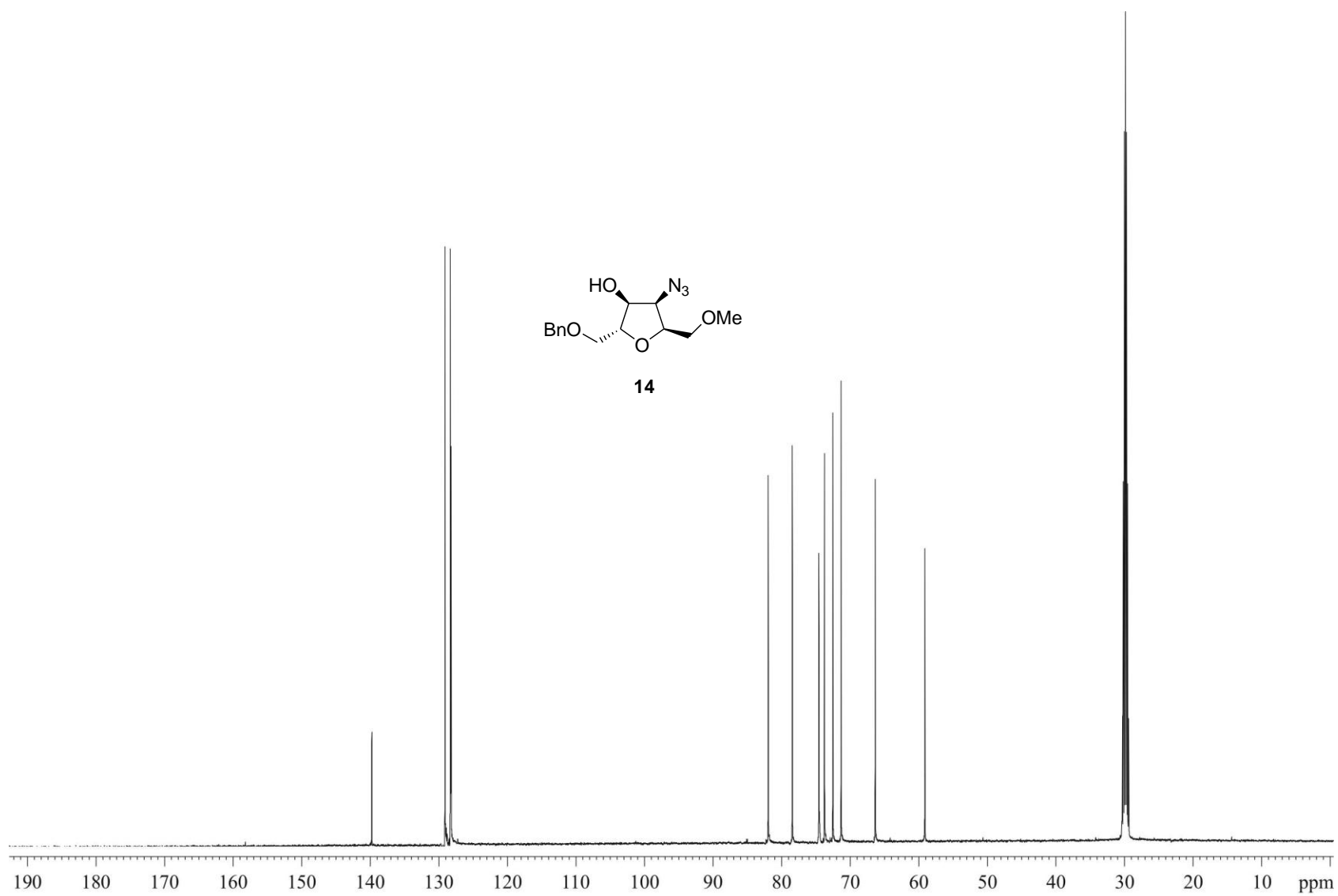
S13



4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-N-(ethoxycarbonylmethyl)- α -D-altruronamide (13)

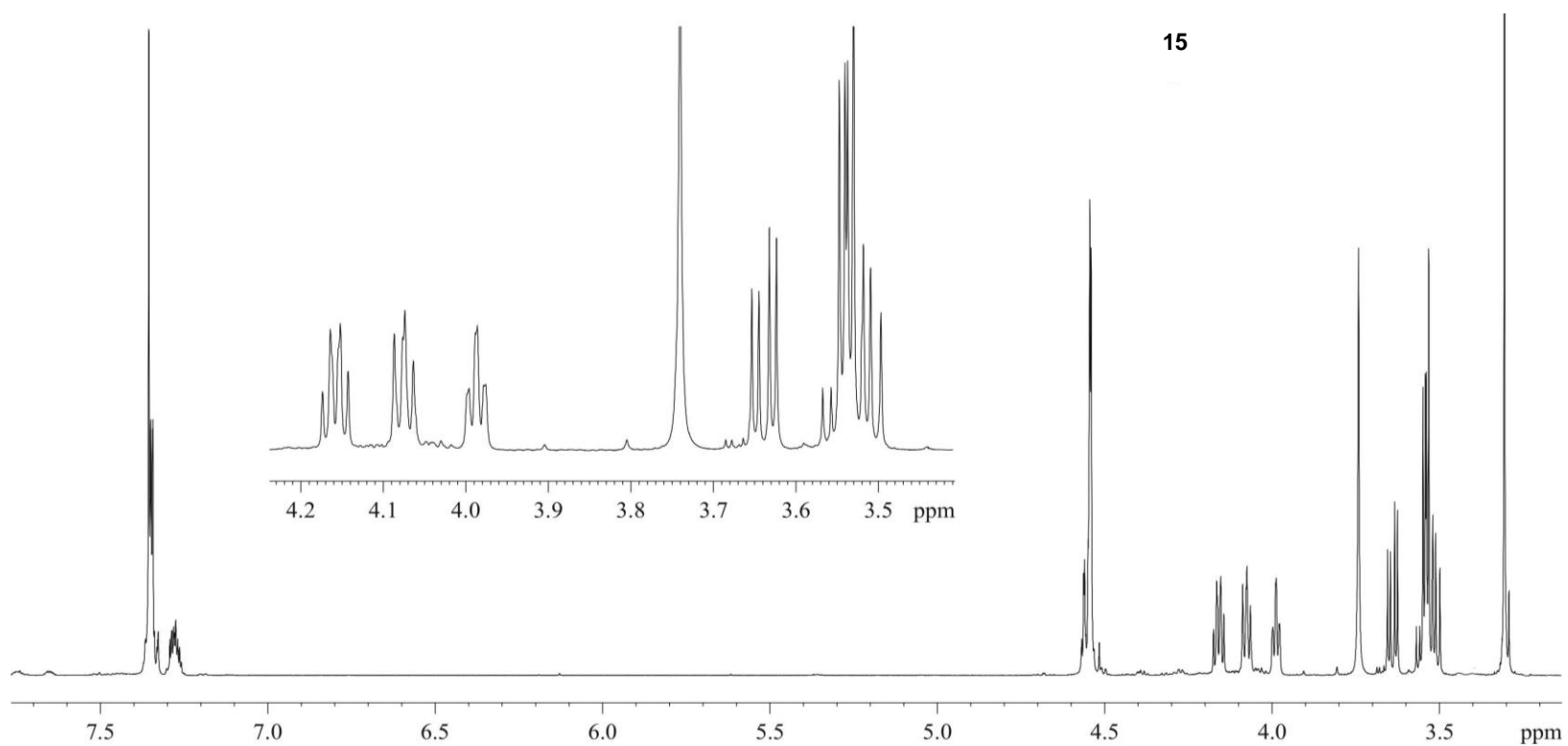
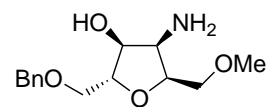


2,5-Anhydro-3-azido-6-*O*-benzyl-3-deoxy-1-*O*-methyl-D-altritol (14)

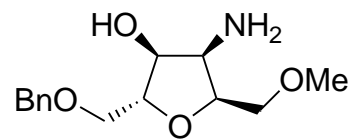


2,5-Anhydro-3-azido-6-O-benzyl-3-deoxy-1-O-methyl-D-altritol (14)

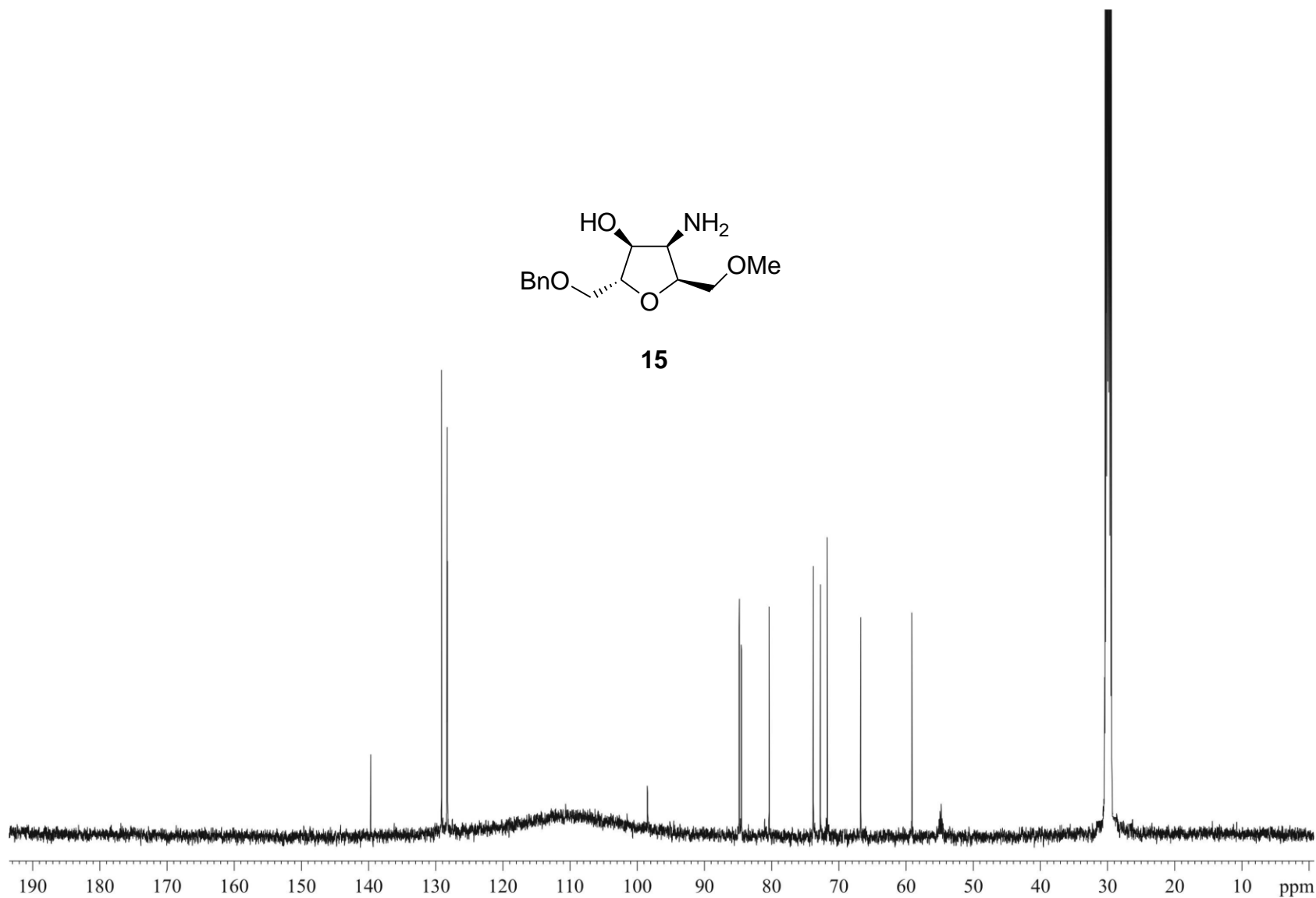
S16



2,5-Anhydro-3-amino-6-O-benzyl-3-deoxy-1-O-methyl-D-altritol (15)

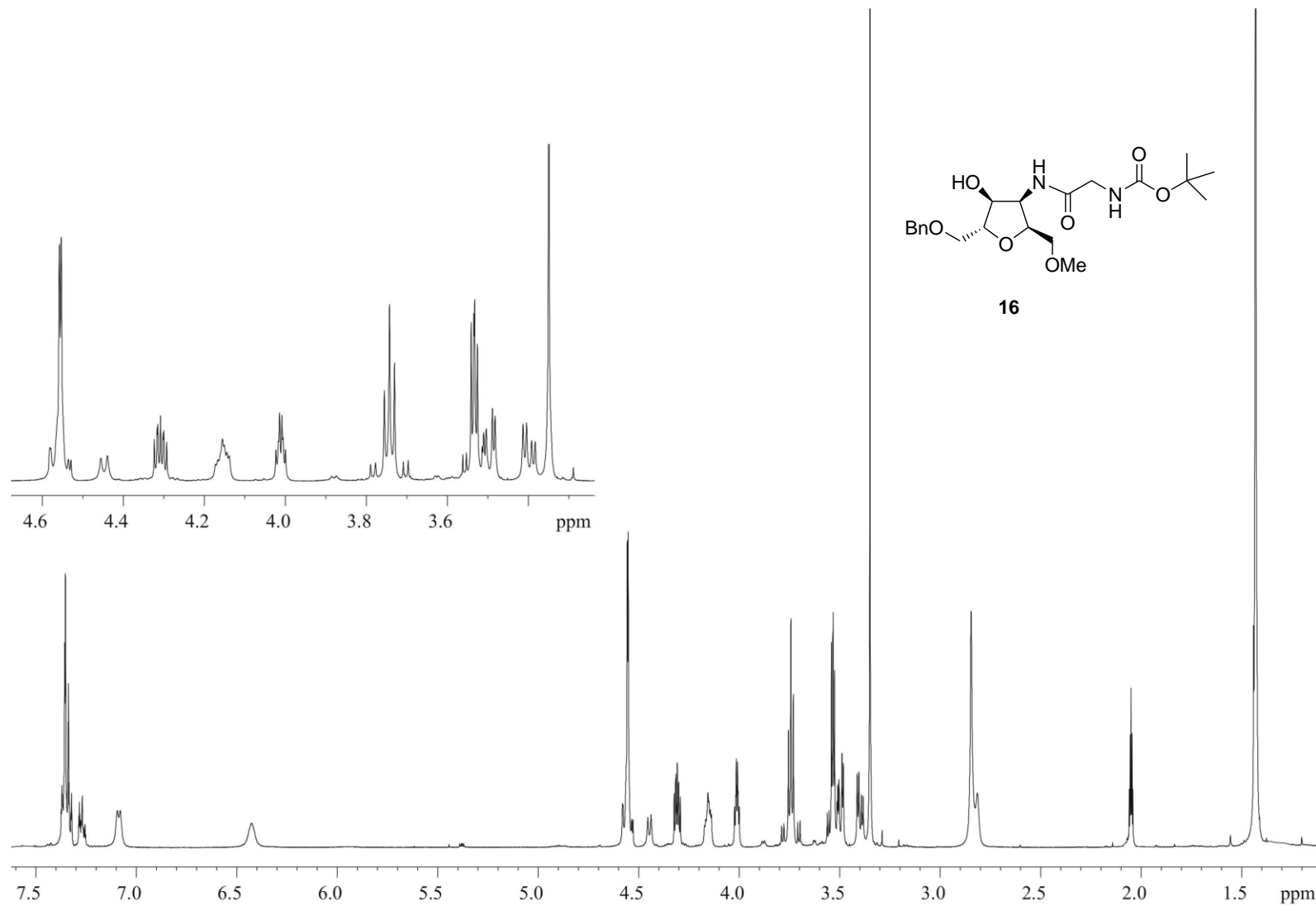


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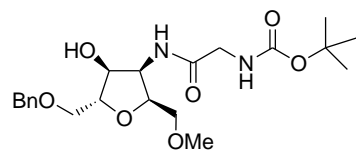


2,5-Anhydro-3-amino-6-O-benzyl-3-deoxy-1-O-methyl-D-altritol (15)

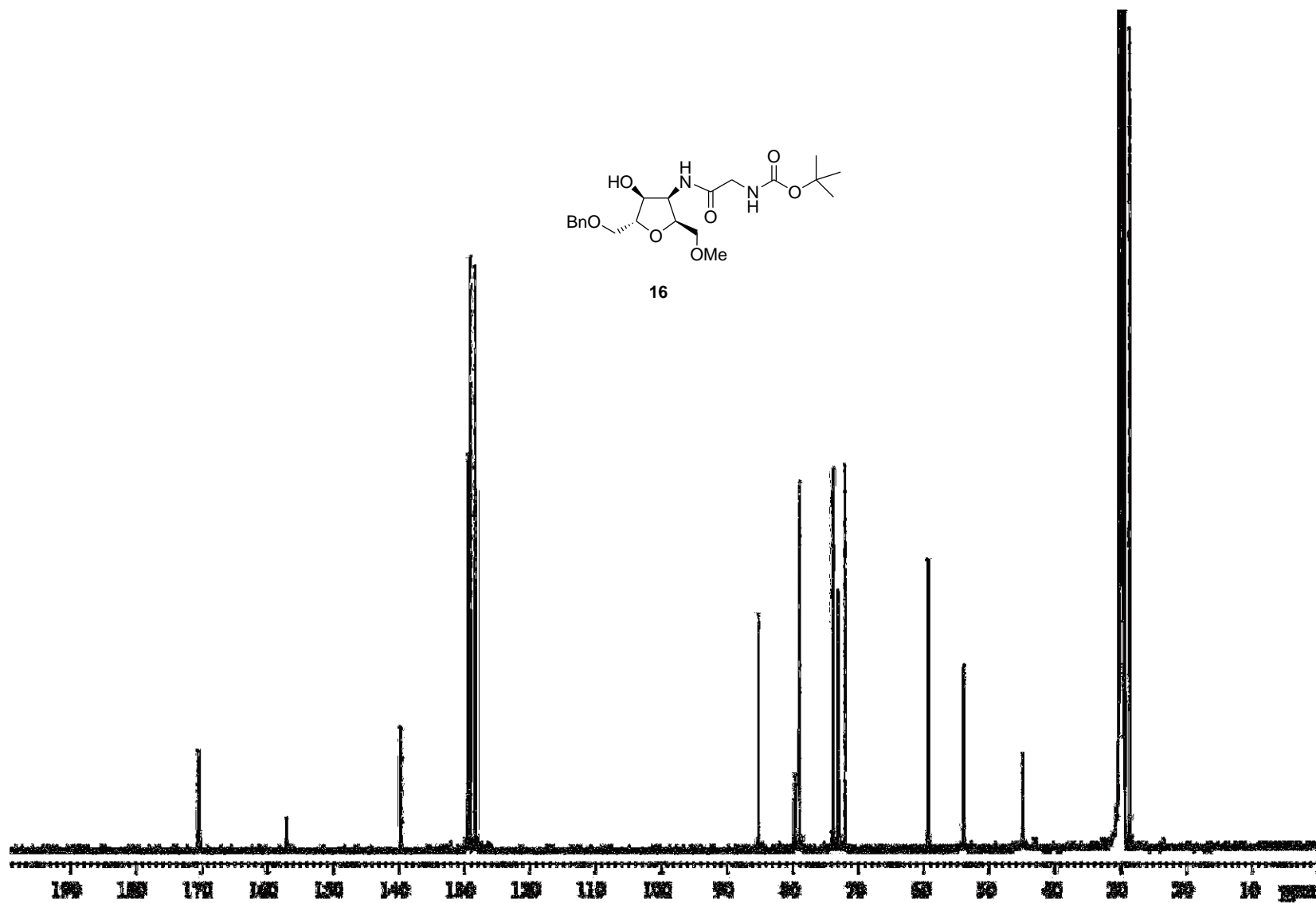
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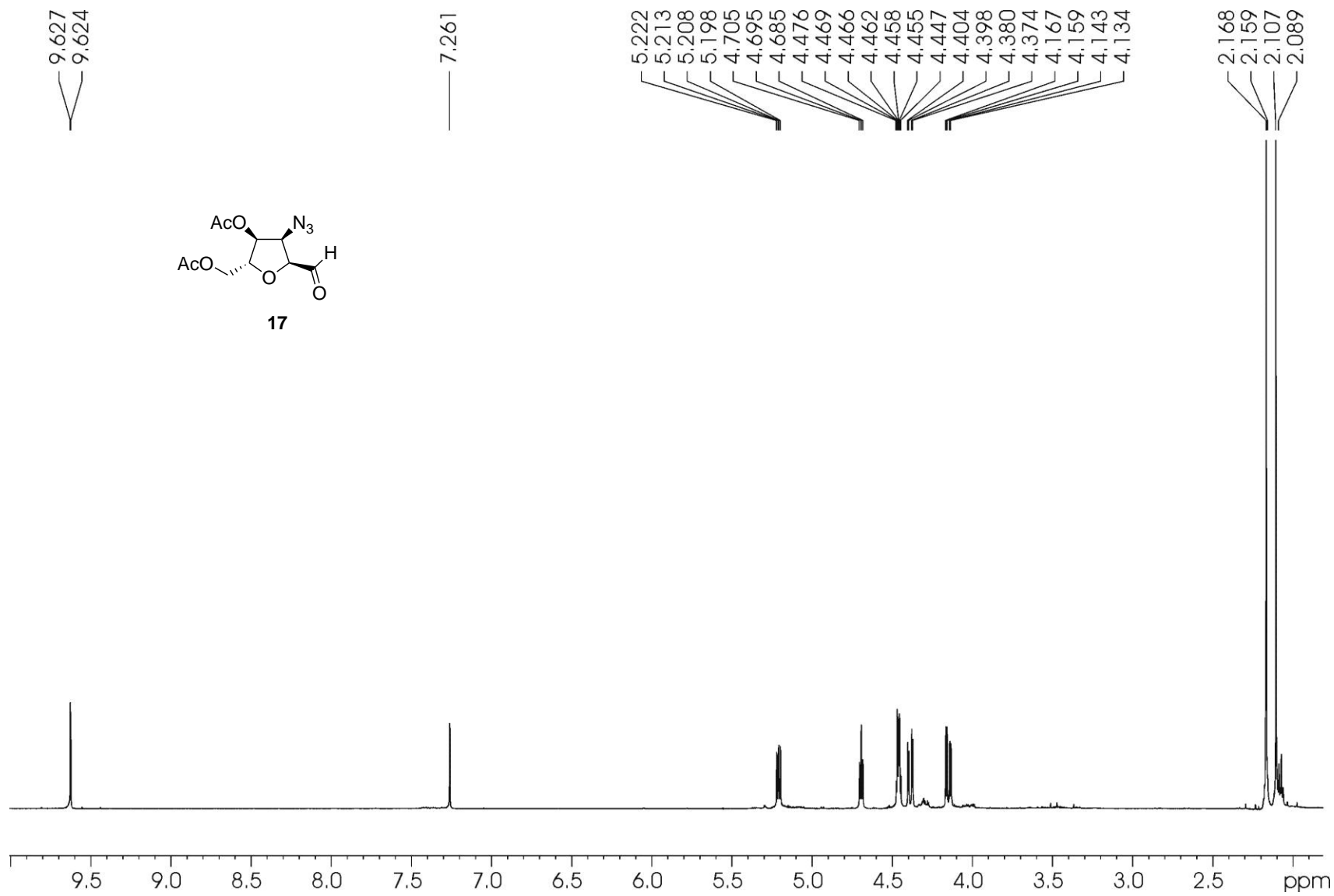
2,5-Anhydro-3--(*N*-*tert*-butoxycarbonyl-glycylamido)-6-*O*-benzyl-3-deoxy-1-*O*-methyl-D-altritol (16)



16

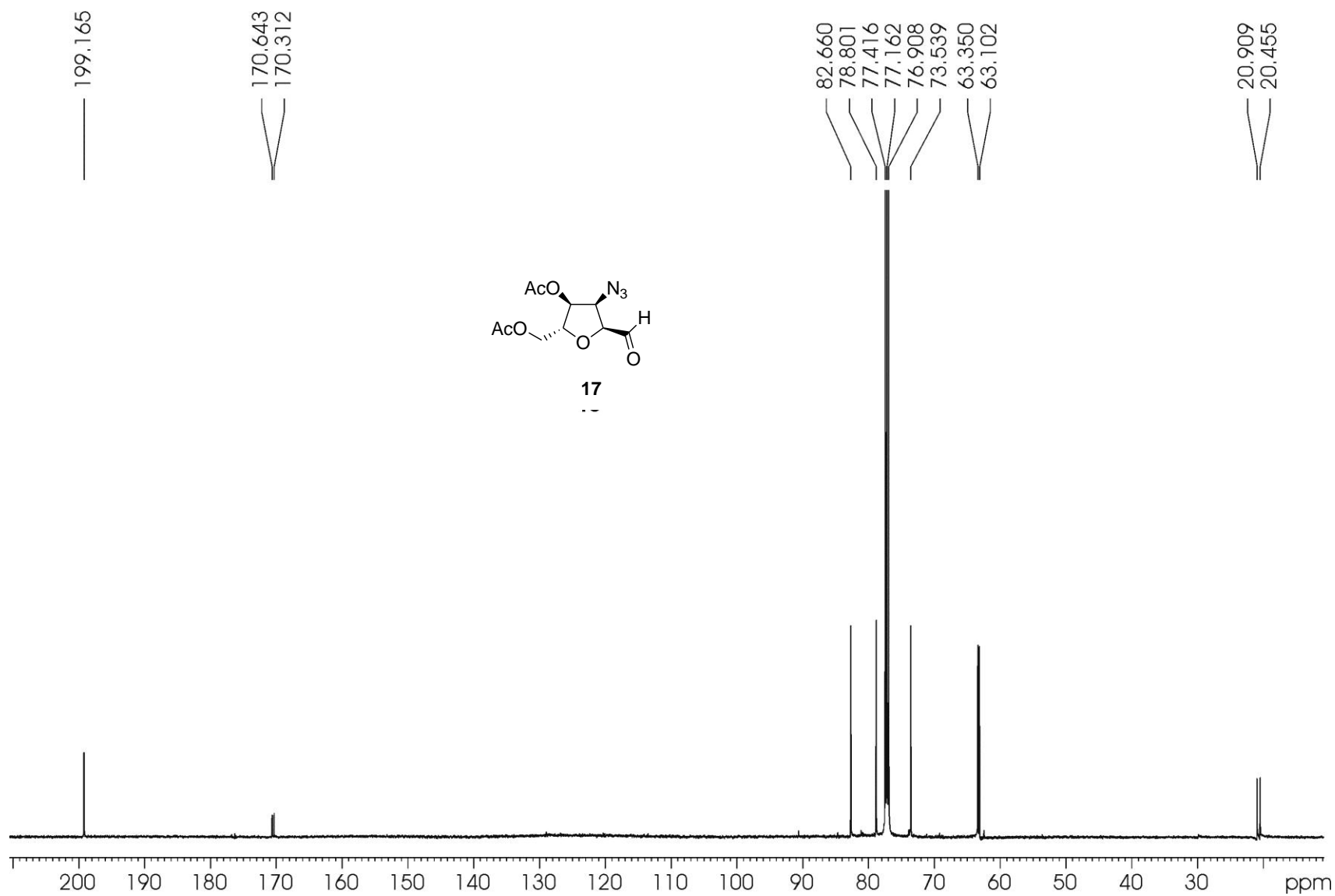


2,5-Anhydro-3-(*N*-*tert*-butoxycarbonyl-glycylamido)-6-*O*-benzyl-3-deoxy-1-*O*-methyl-D-altritol (16)

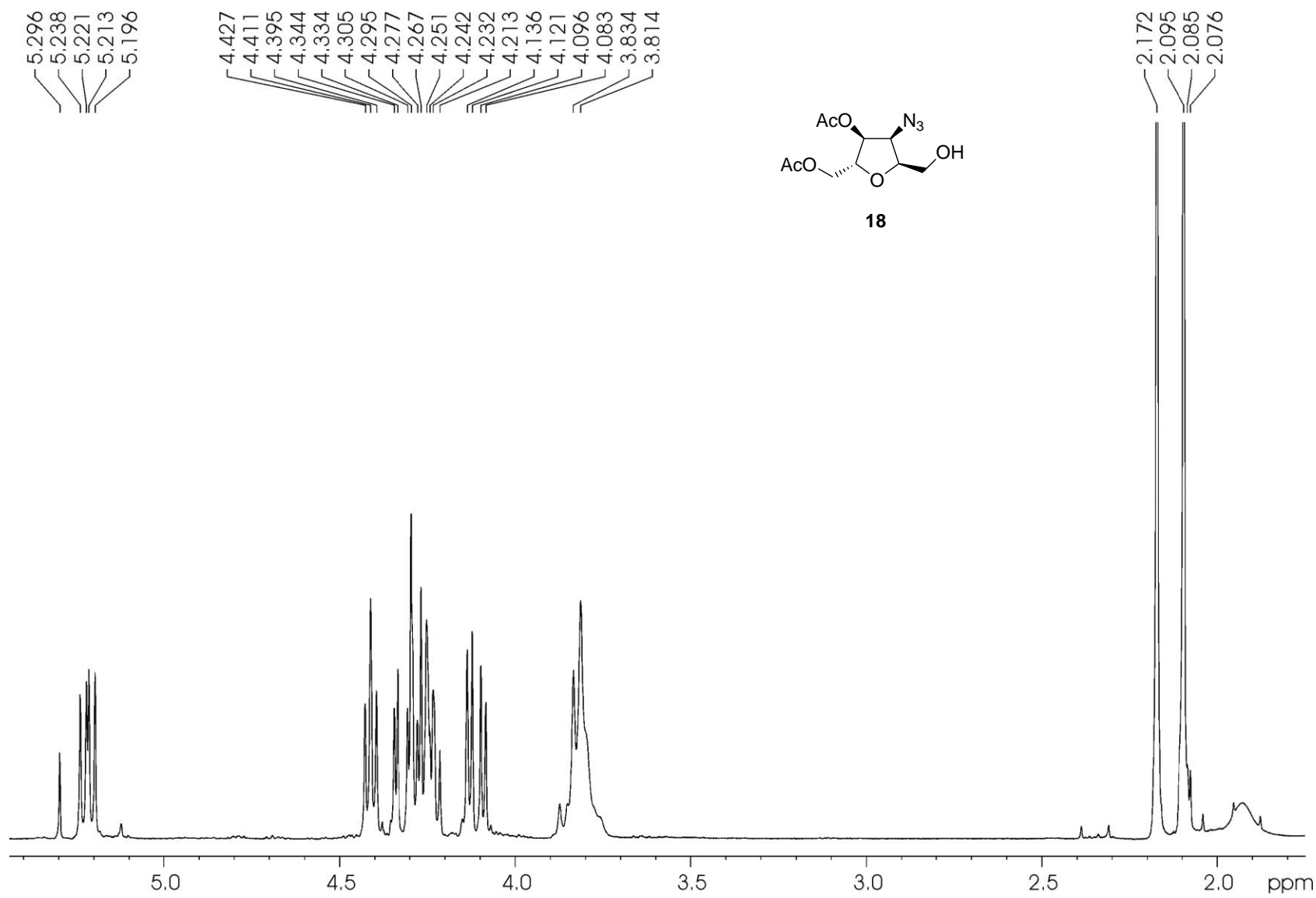


4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-D-altrose (17)

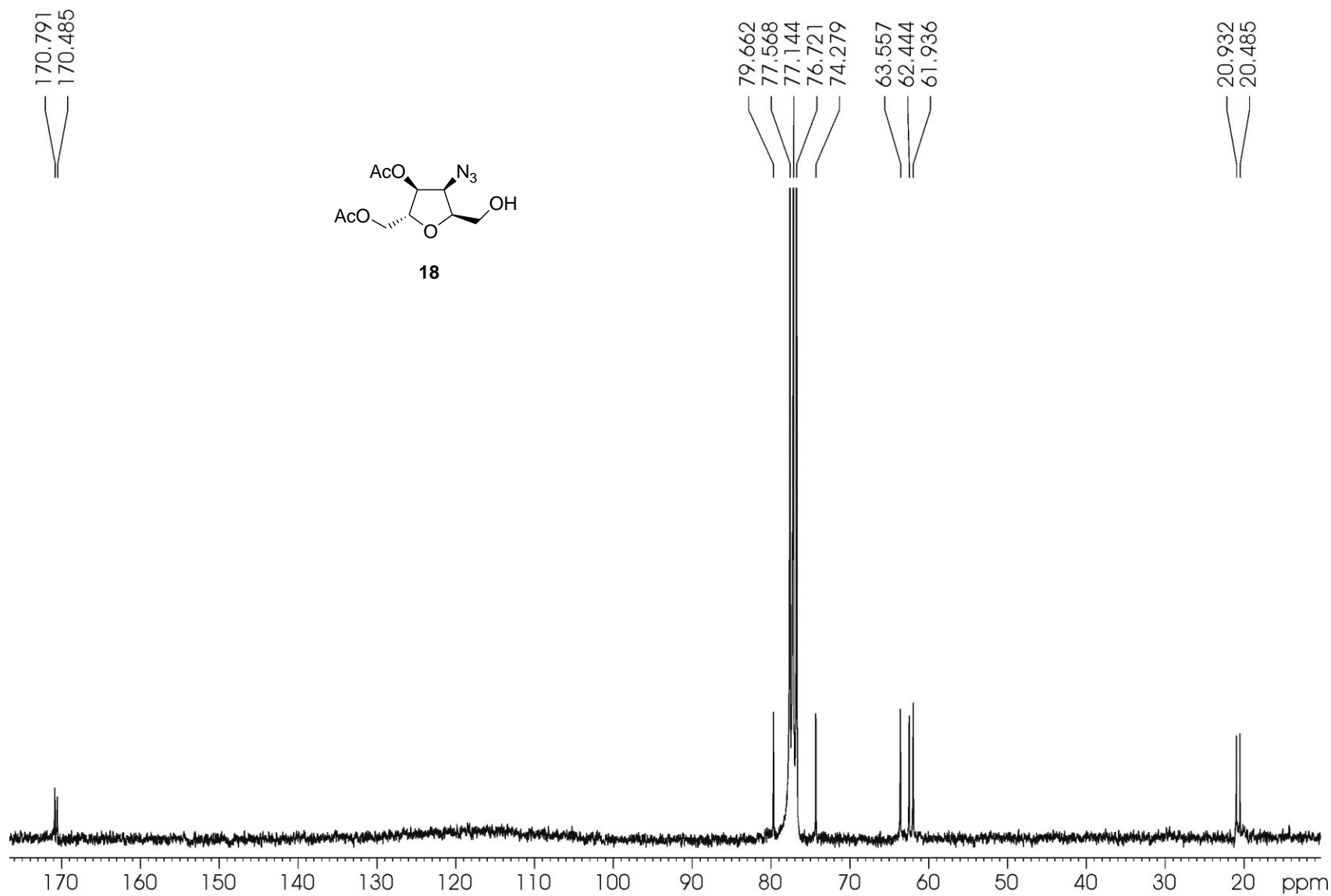
S21



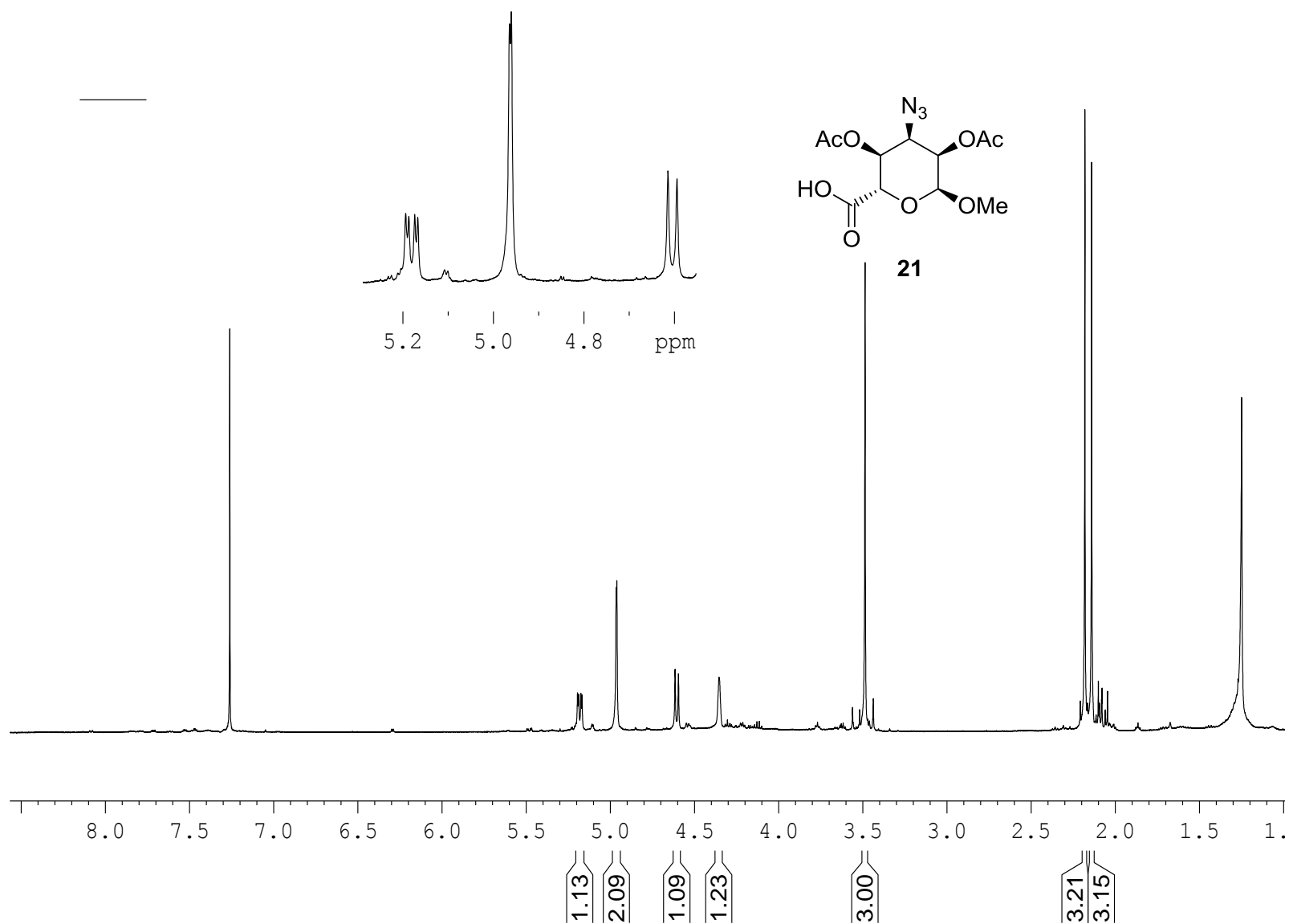
4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-D-altrose (17)



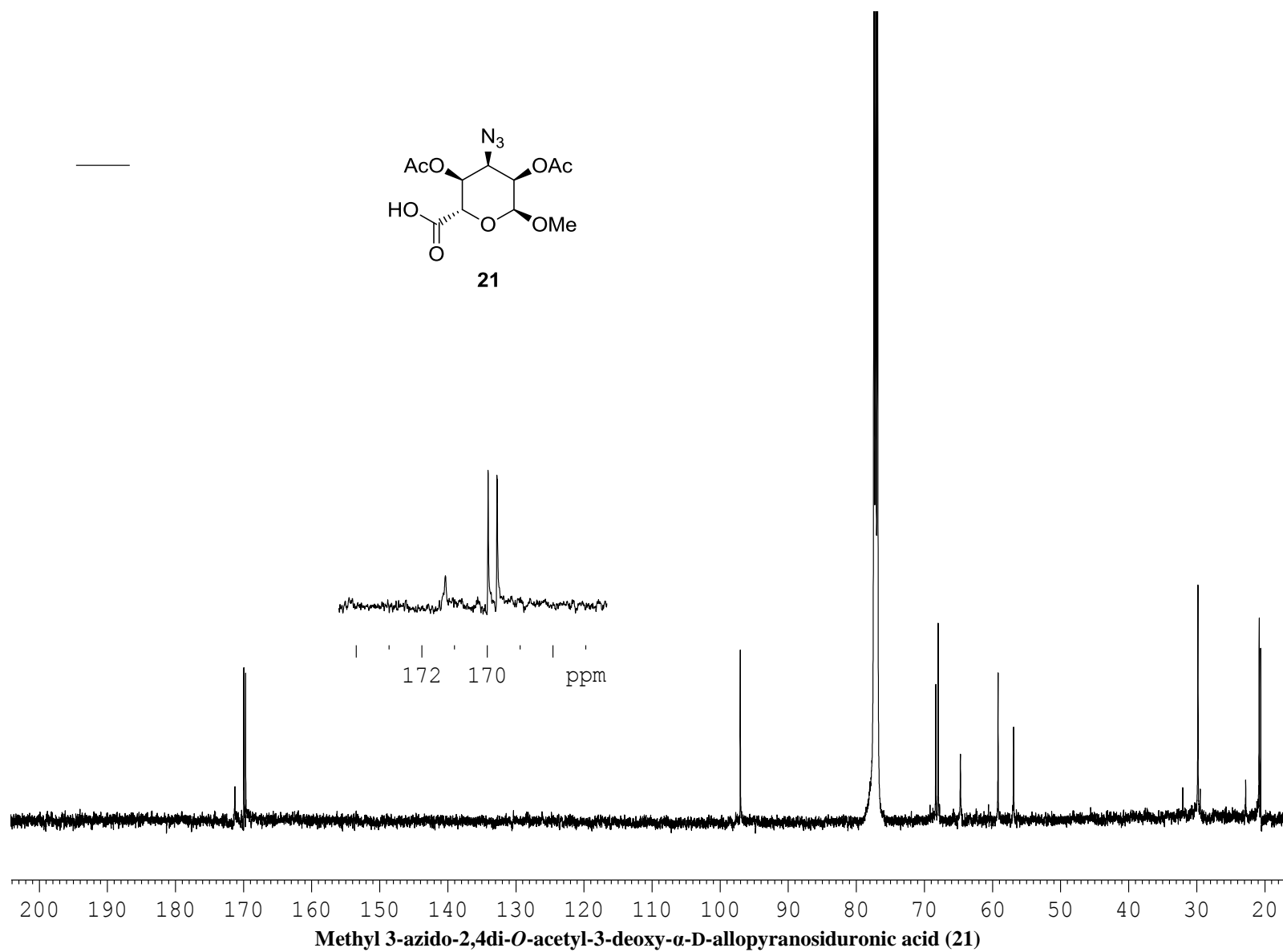
4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-D-altritol (18)

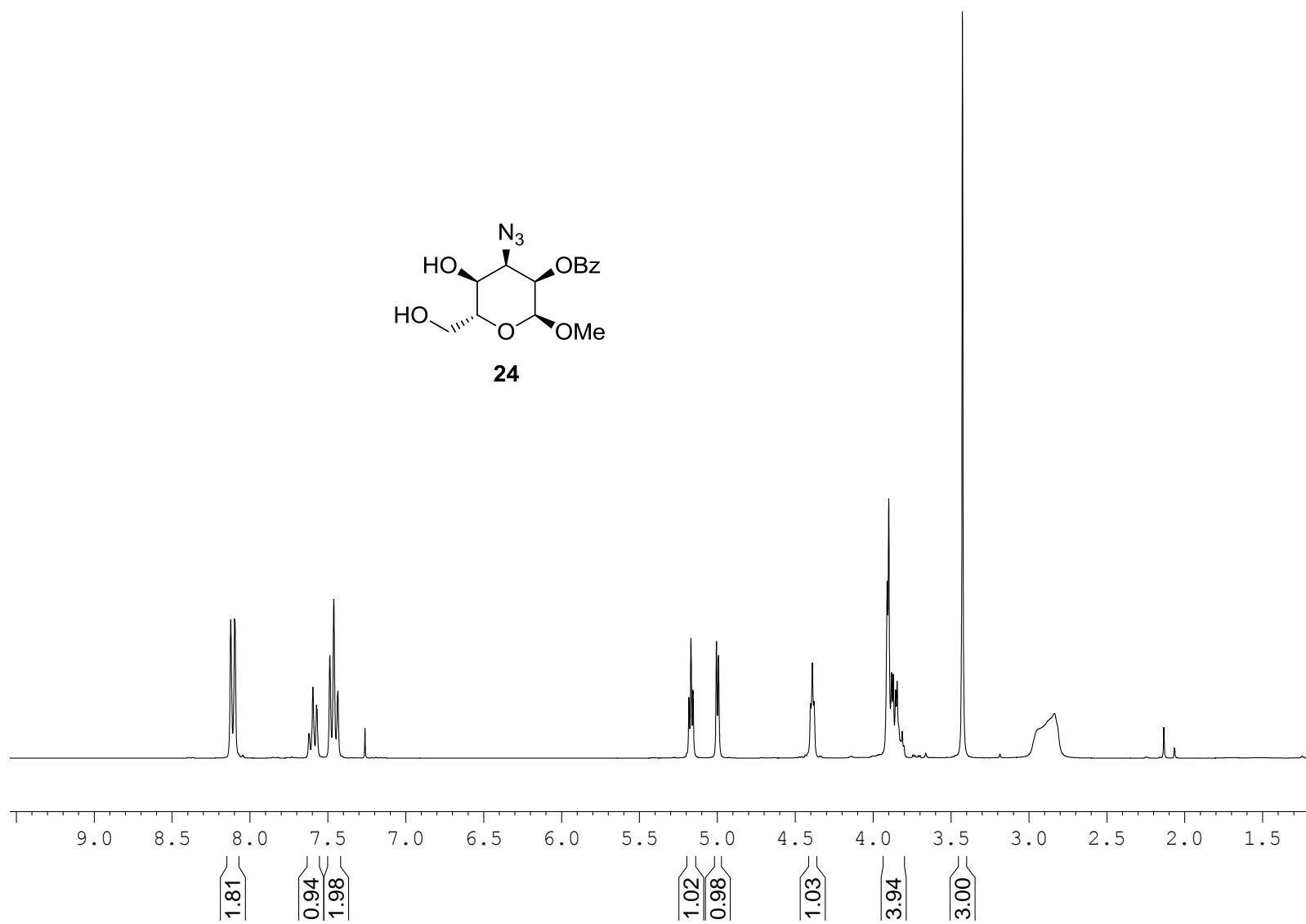
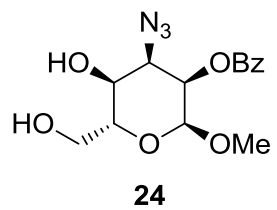


4,6-Di-O-acetyl-2,5-anhydro-3-azido-3-deoxy-D-altritol (18)

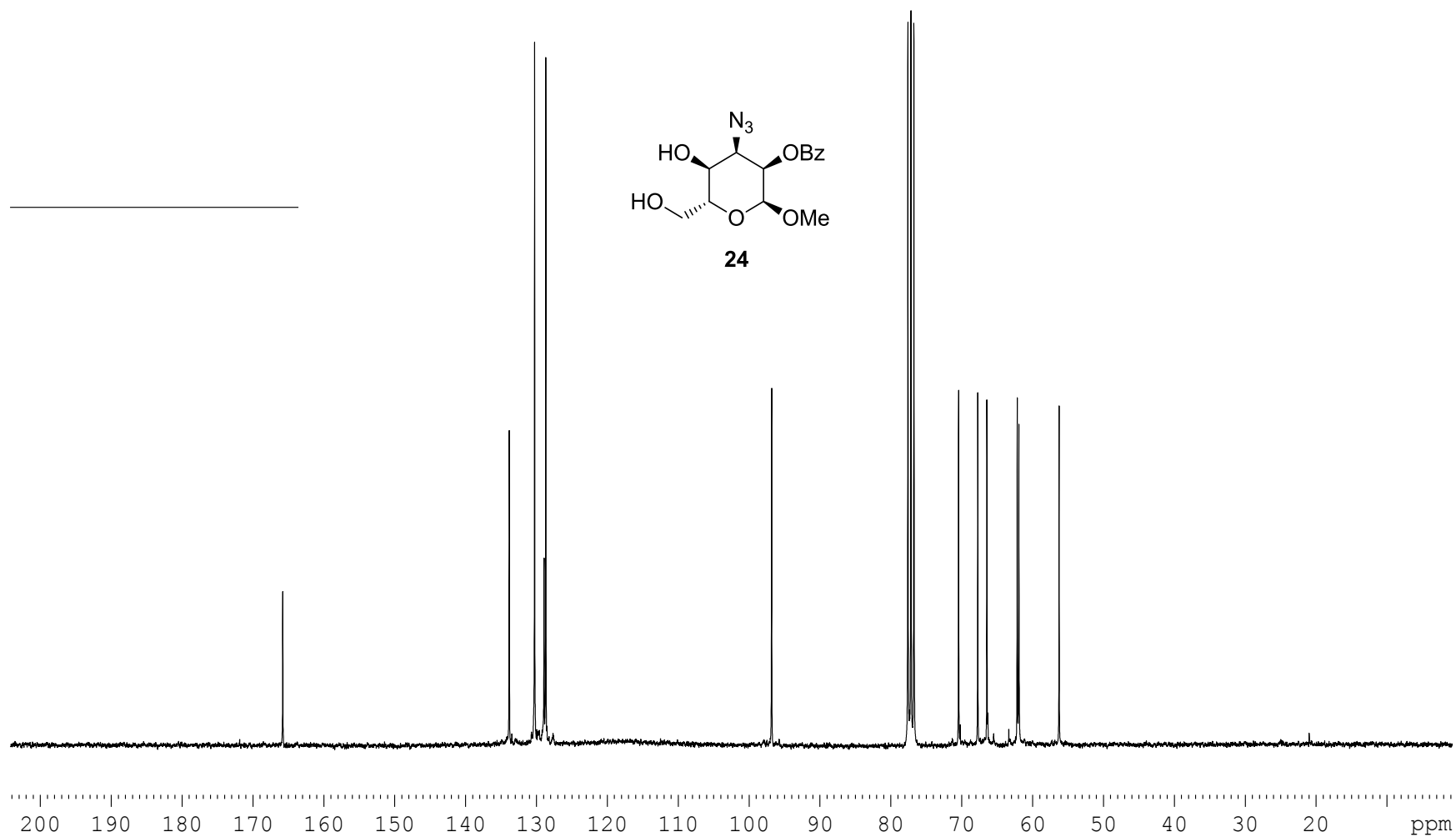


Methyl 3-azido-2,4-di-O-acetyl-3-deoxy- α -D-allopyranosiduronic acid (21)

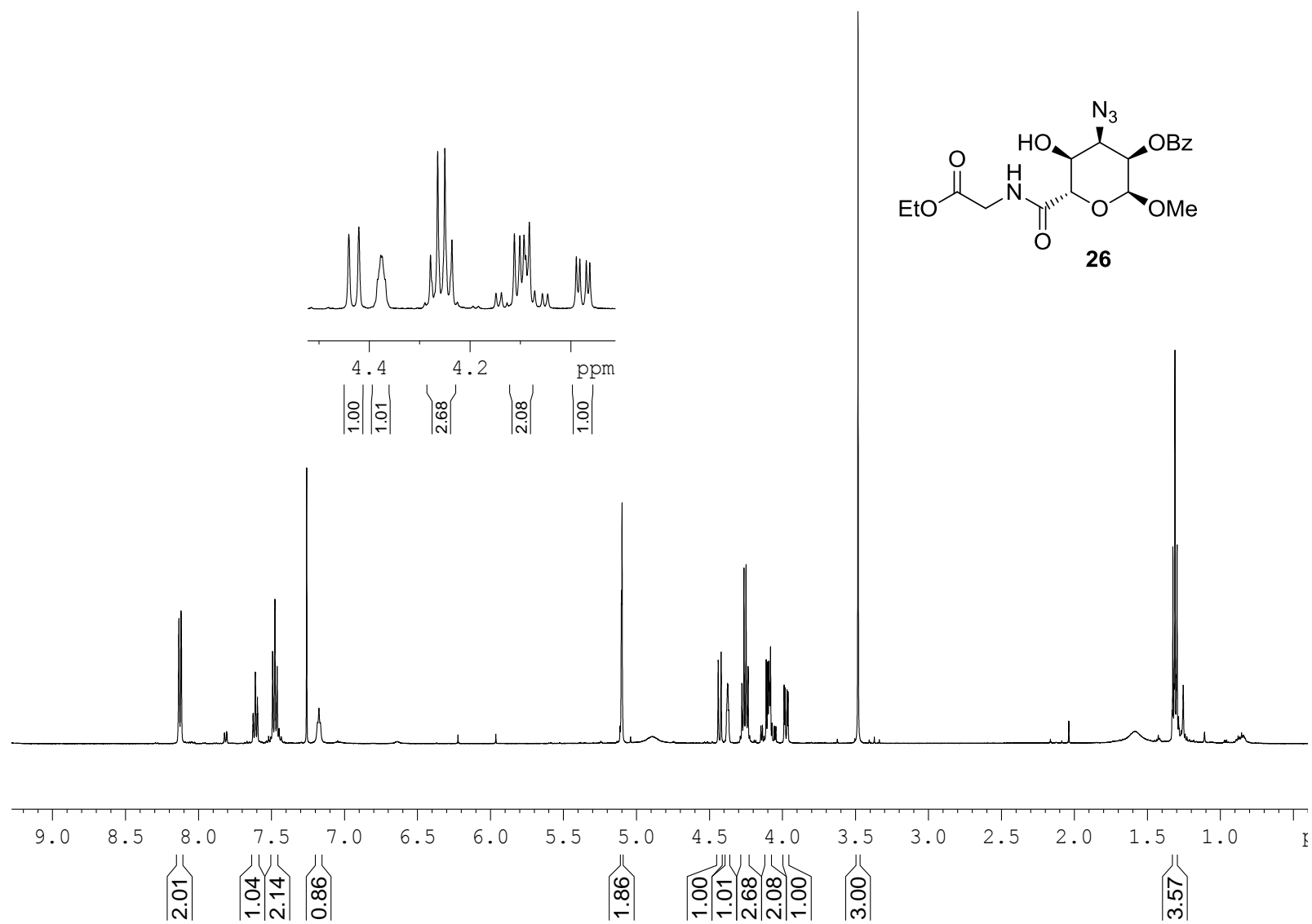




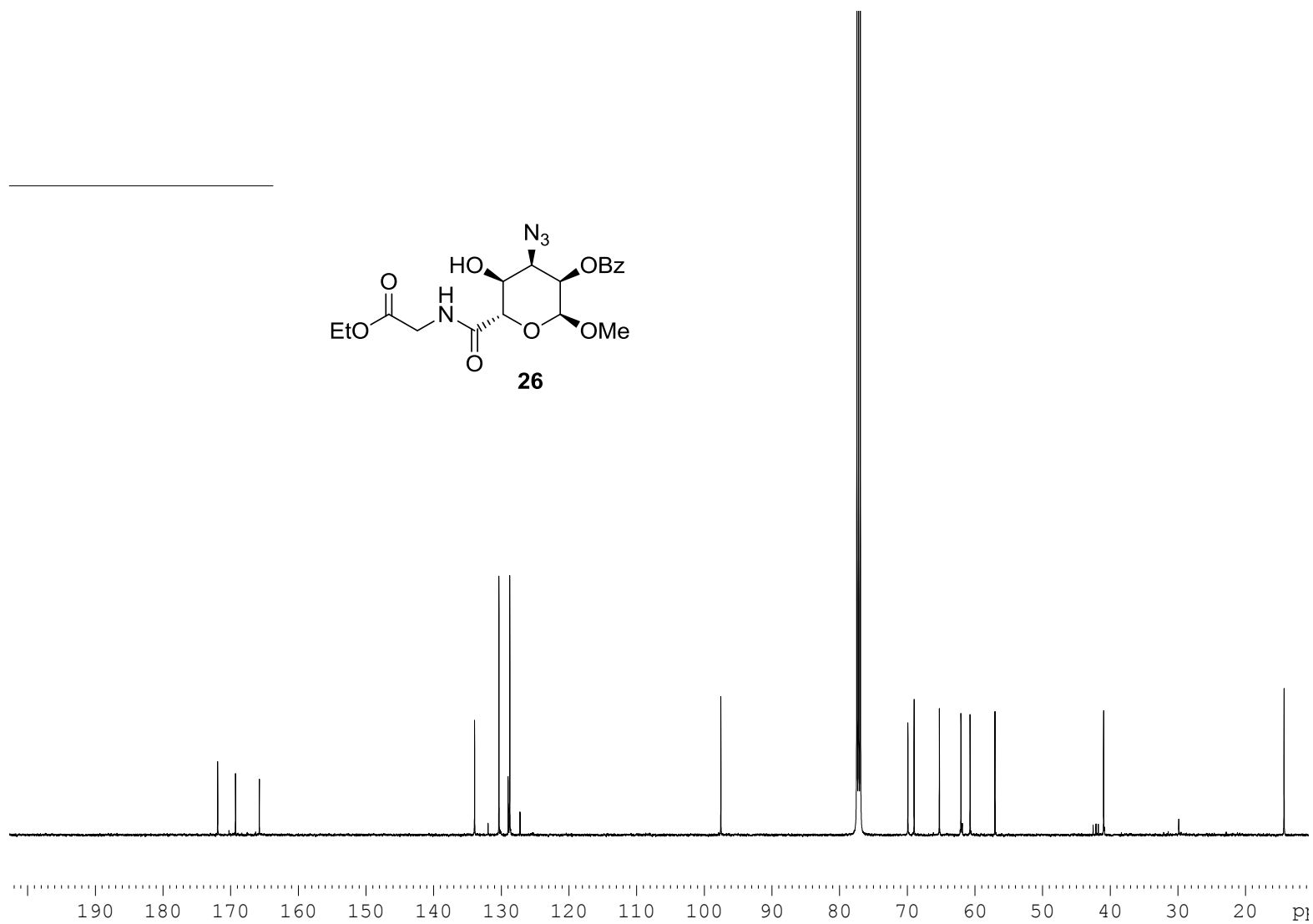
Methyl 3-azido-2-*O*-benzoyl-3-deoxy- α -D-allopyranoside (**24**)



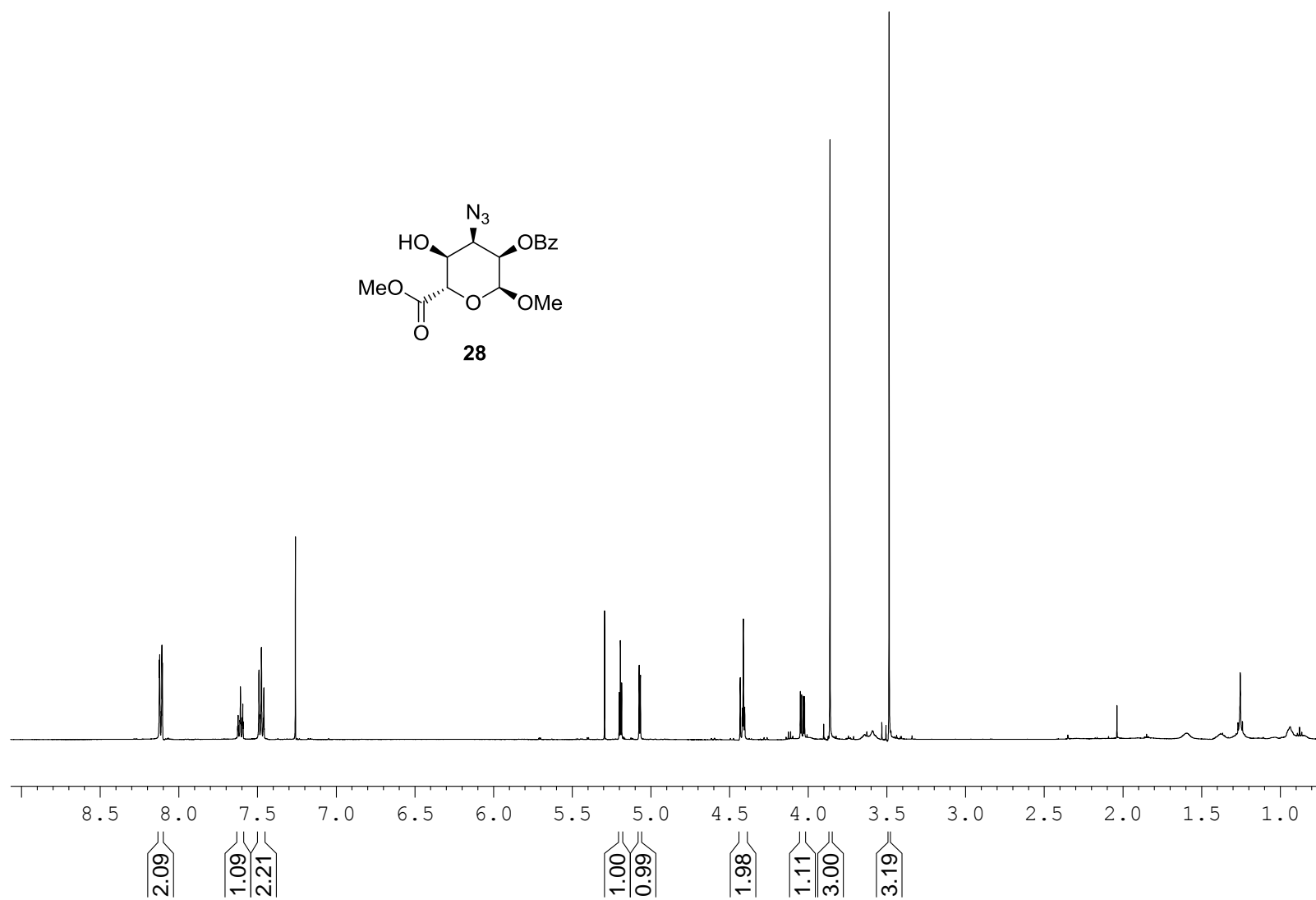
Methyl 3-azido-2-*O*-benzoyl-3-deoxy- α -D-allopyranoside (24)



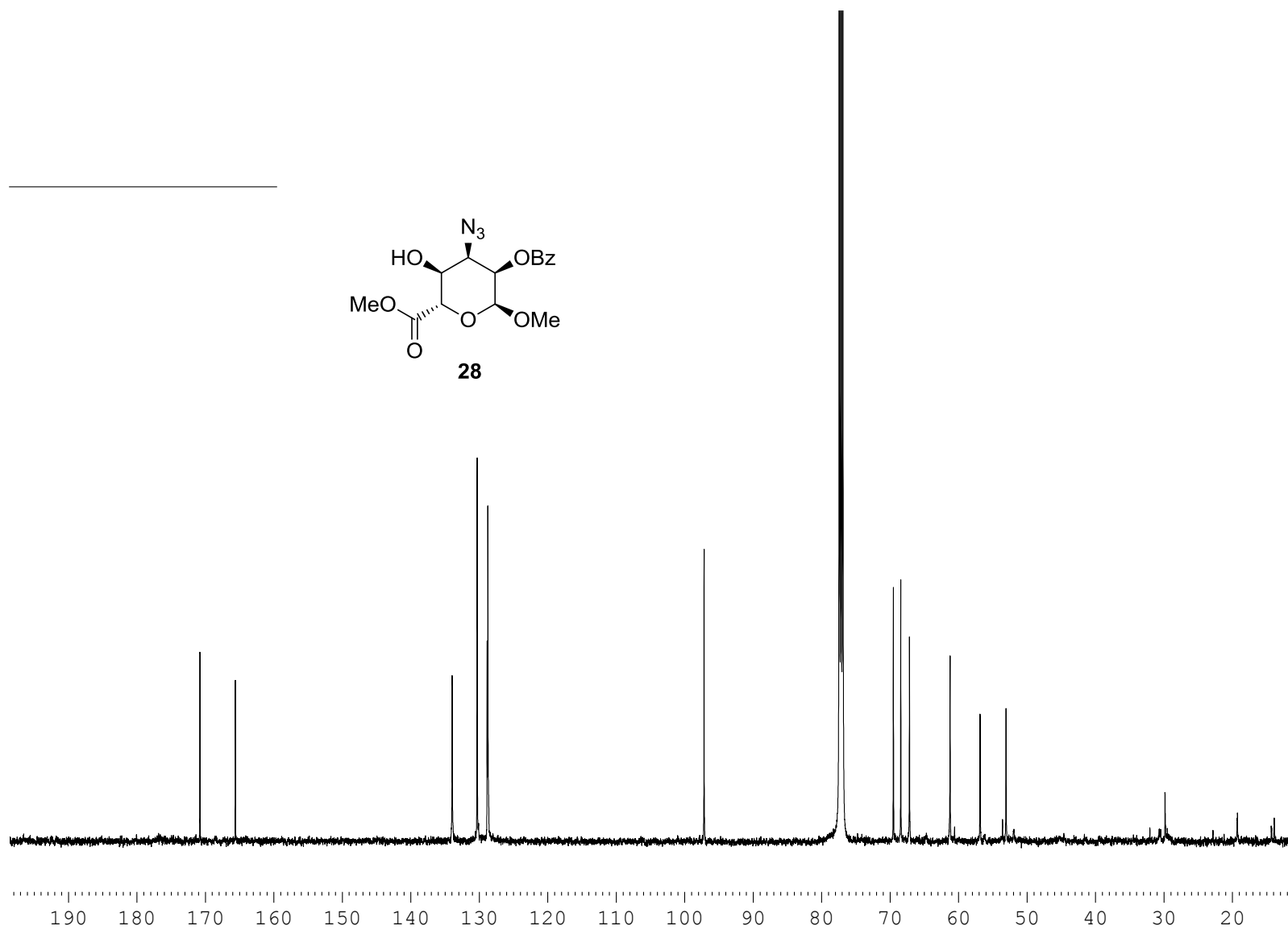
Ethyl (methyl 3-azido-2-O-benzoyl-3-deoxy- α -D-allopyranosid)uronyl glycinate (26)



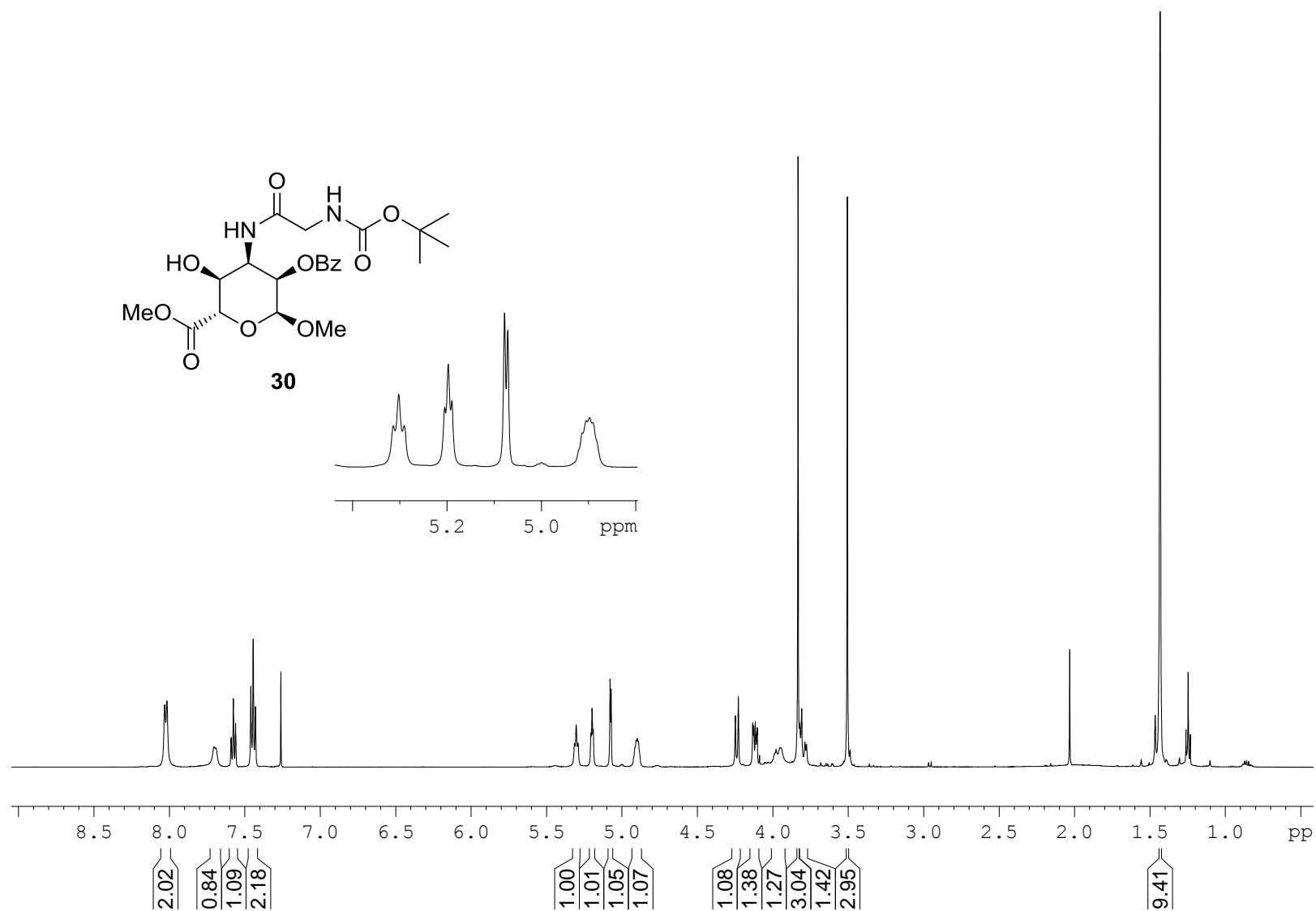
Ethyl (methyl 3-azido-2-O-benzoyl-3-deoxy- α -D-allopyranosid)uronyl glycinat (26)



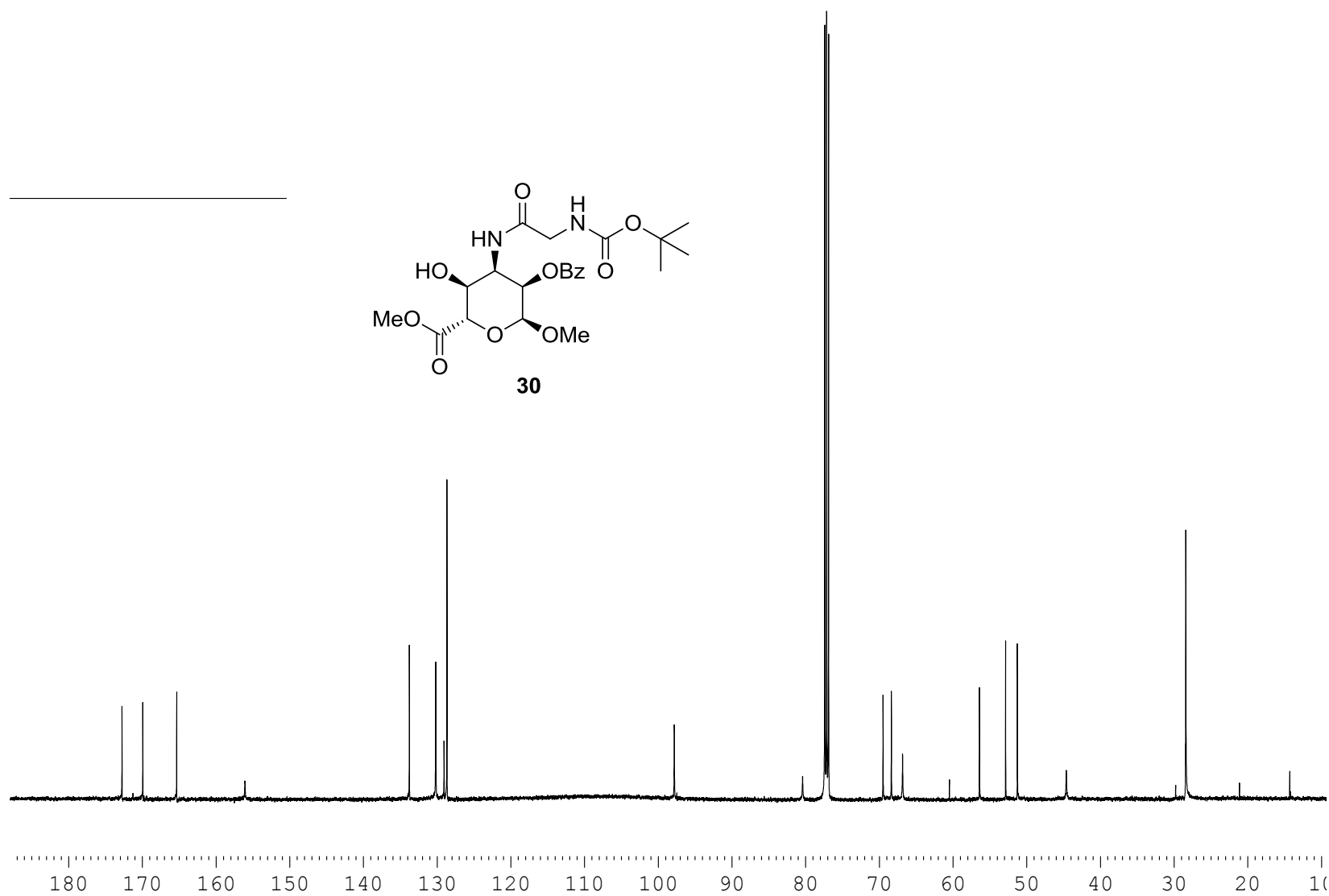
Methyl (methyl 3-azido-2-*O*-benzoyl-3-deoxy- α -D-allopyranosid) uronate (28)



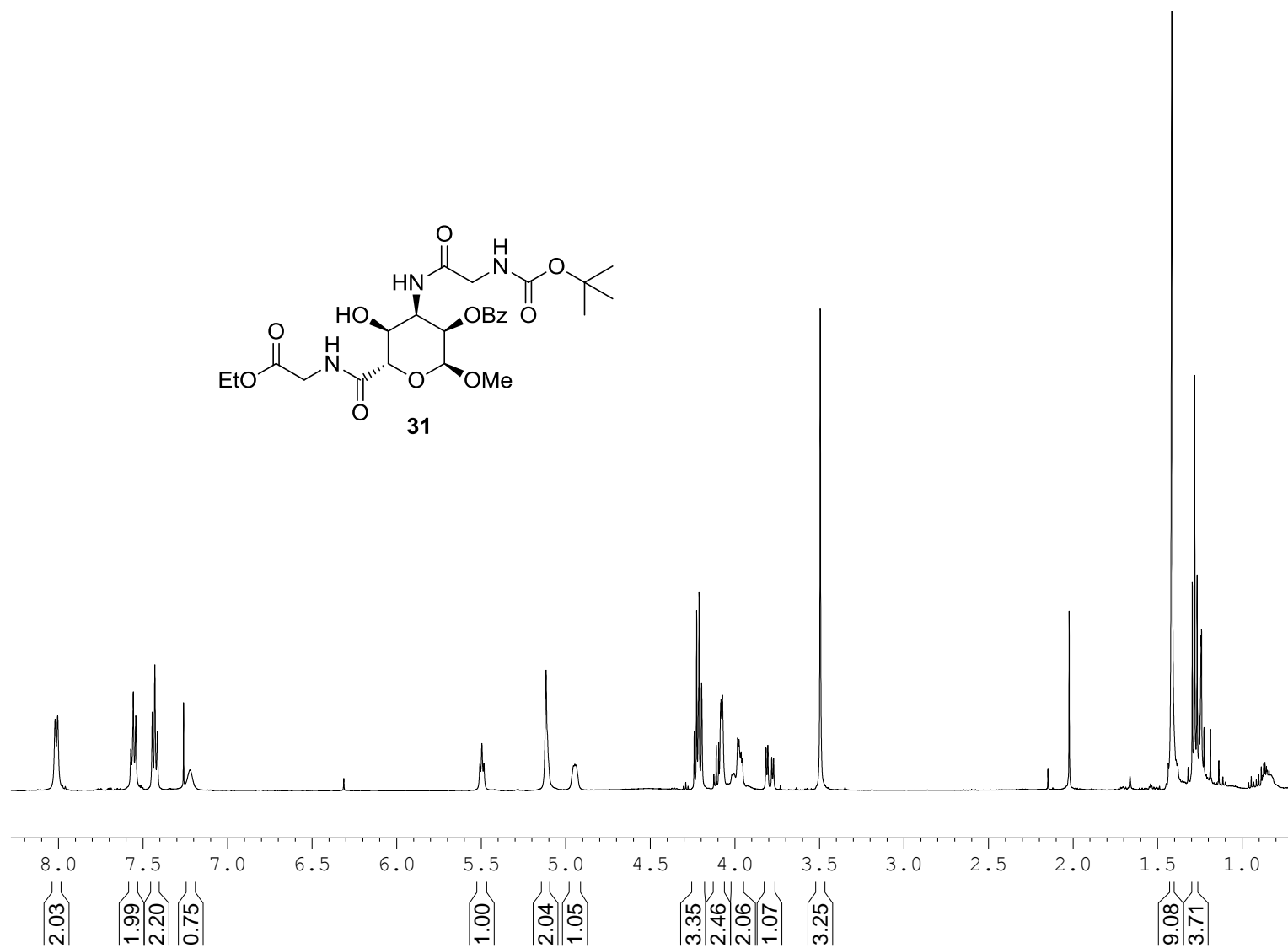
Methyl (methyl 3-azido-2-*O*-benzoyl-3-deoxy- α -D-allopyranosid)uronate (28)



Methyl [methyl 2-*O*-benzoyl-3-(*N*-*tert*-butoxycarbonyl-glycamido)-3-deoxy- α -D-allopyranosid]uronate (30)

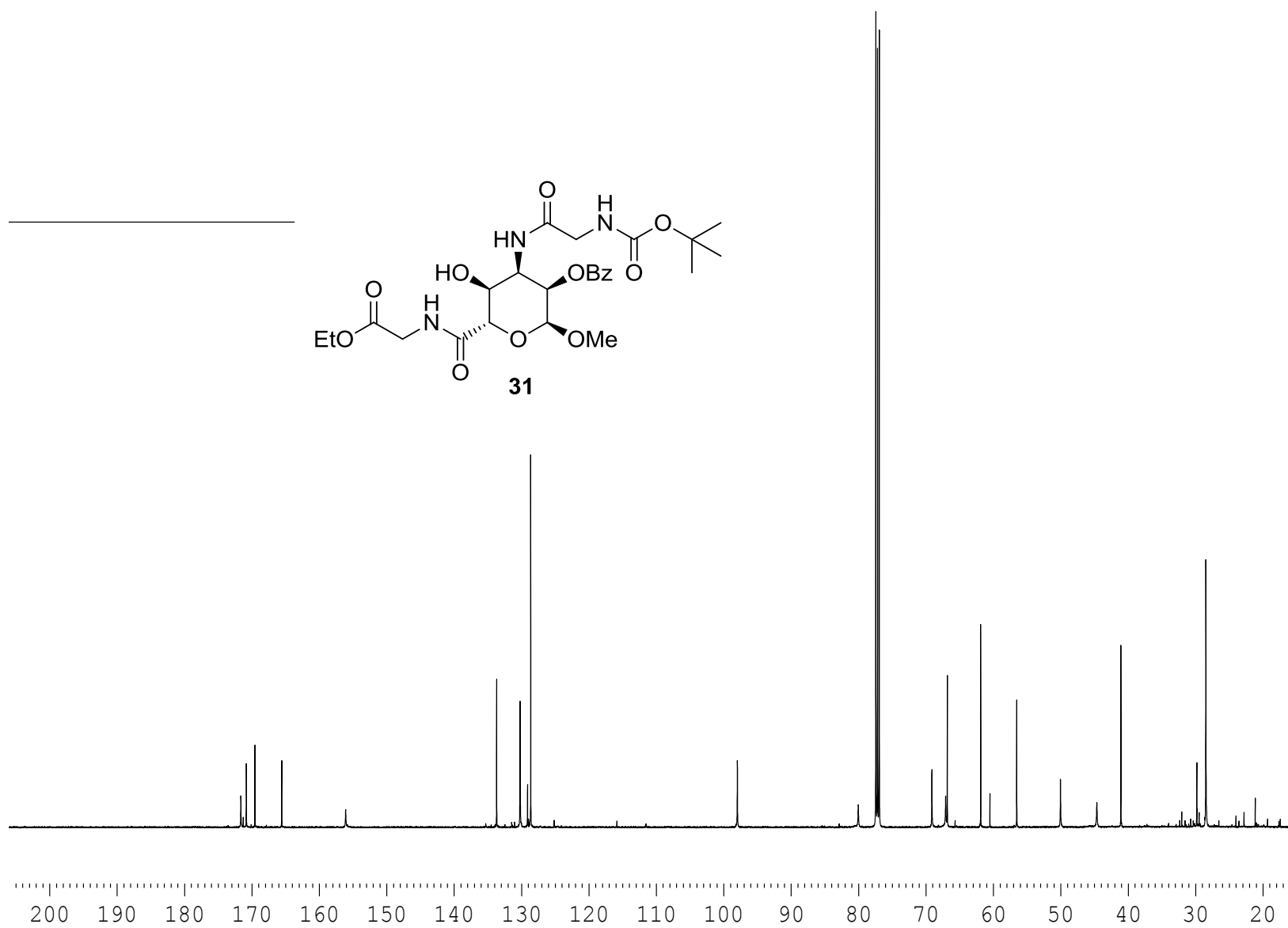


Methyl [methyl 2-*O*-benzoyl-3-(*N*-*tert*-butoxycarbonyl-glycylamido)-3-deoxy- α -D-allopyranosid]uronate (30)



Ethyl [methyl 2-*O*-benzoyl-3-(*N*-*tert*-butoxycarbonyl-glycylamido)-3-deoxy- α -D-allopyranosid]uronyl-glycinate (31)

S35



Ethyl [methyl 2-O-benzoyl-3-(N-tert-butoxycarbonyl-glycylamido)-3-deoxy- α -D-allopyranosid]uronyl-glycinate (31)