

Supporting Information

Iodine-catalyzed formation of substituted 2-aminobenzothiazole derivatives in PEG₄₀₀

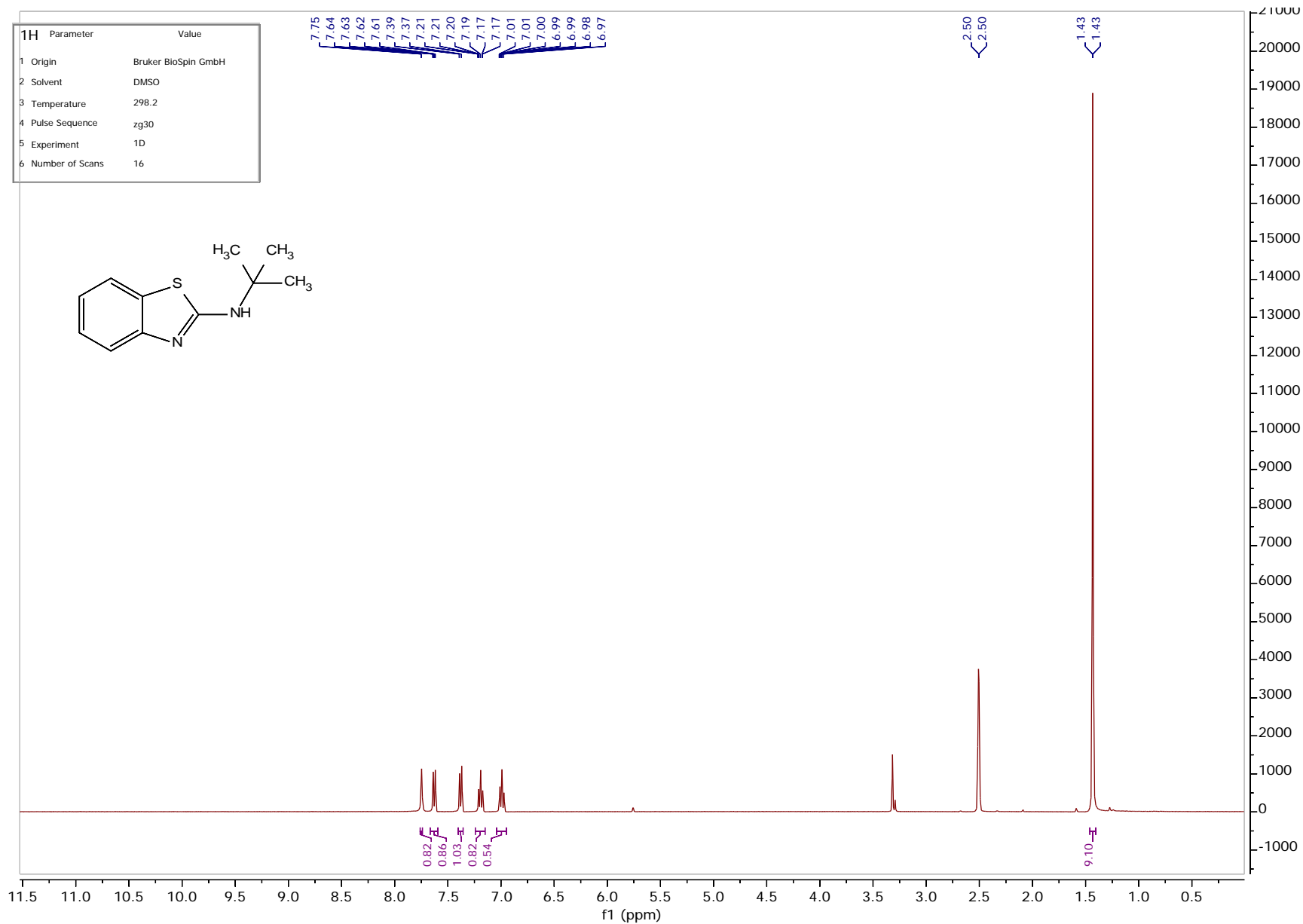
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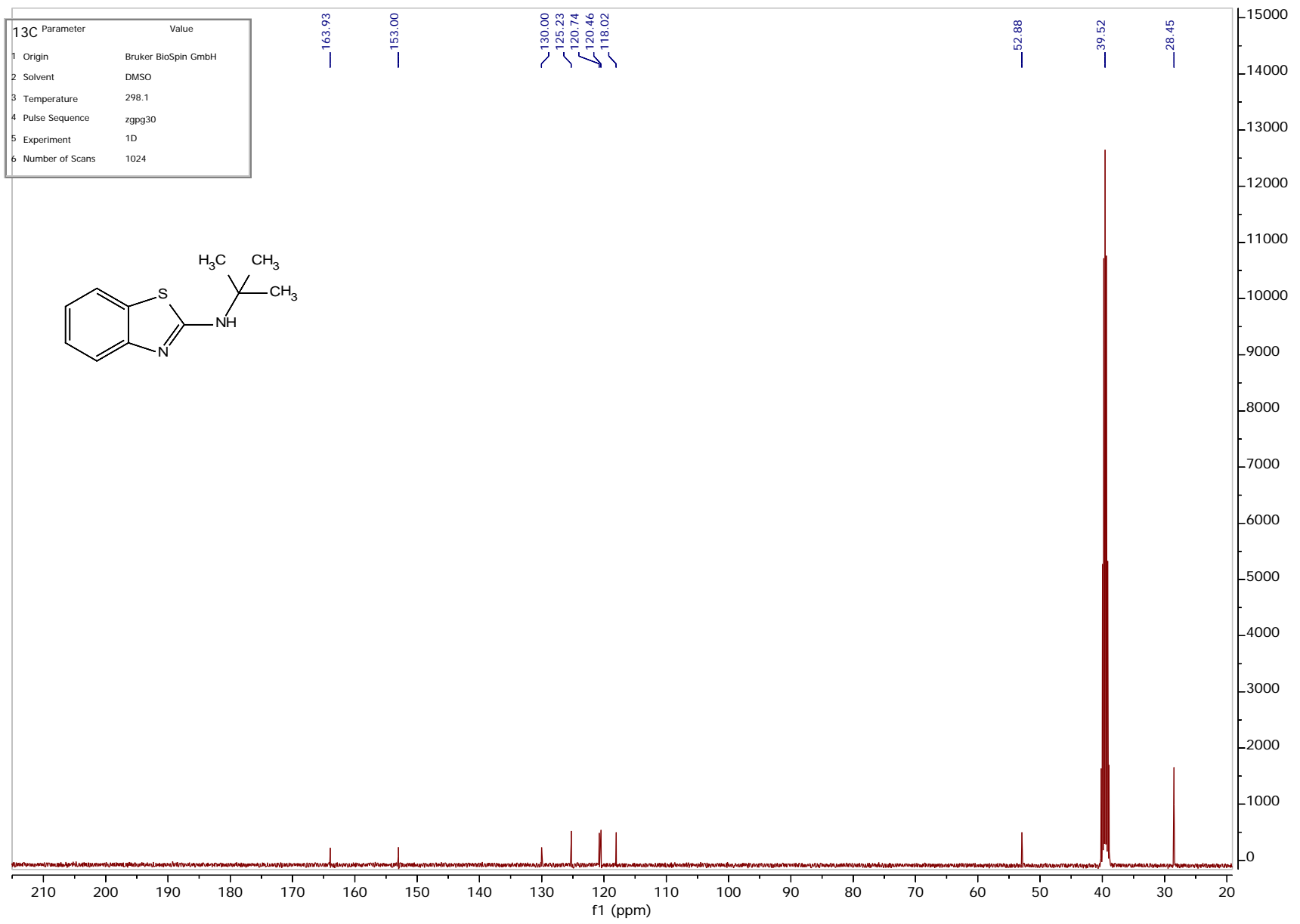
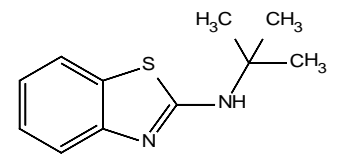
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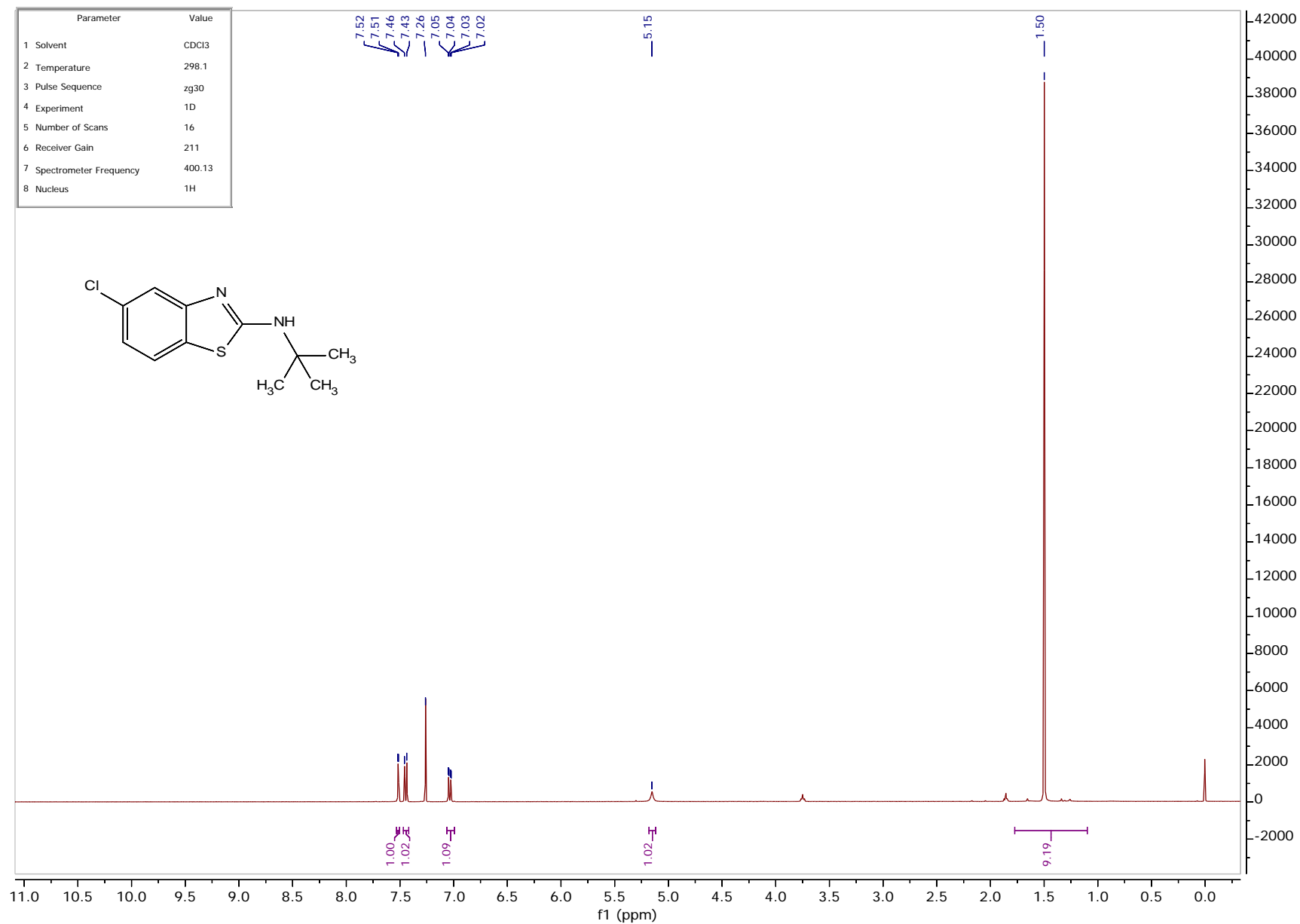
N-tert-butyl-1,3-benzothiazol-2-amine (3a)



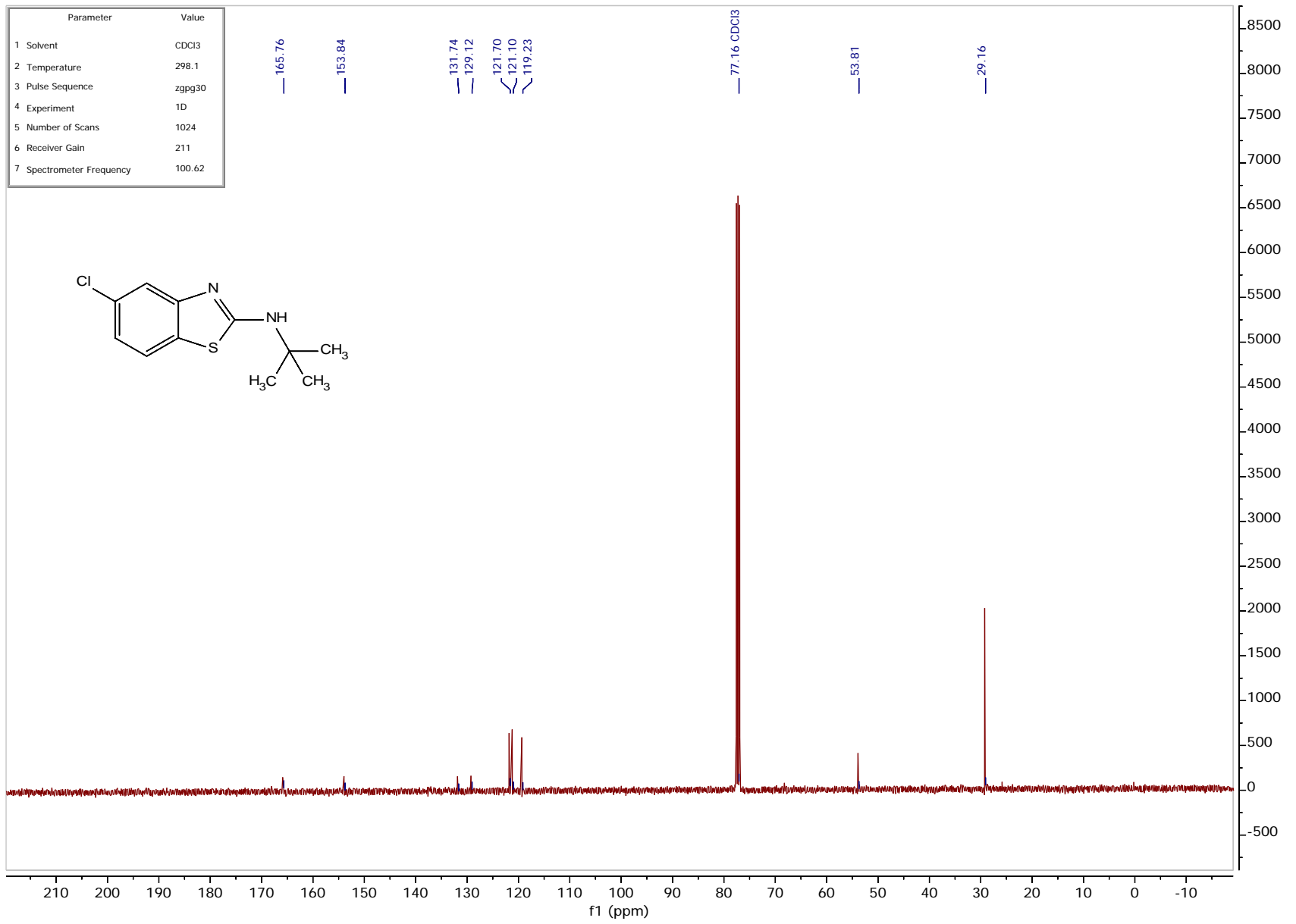
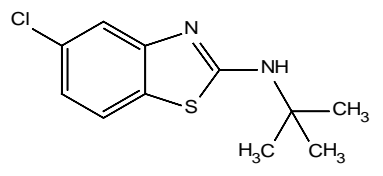
| ¹³ C | Parameter | Value |
|-----------------|-----------------|---------------------|
| 1 | Origin | Bruker BioSpin GmbH |
| 2 | Solvent | DMSO |
| 3 | Temperature | 298.1 |
| 4 | Pulse Sequence | zgpg30 |
| 5 | Experiment | 1D |
| 6 | Number of Scans | 1024 |



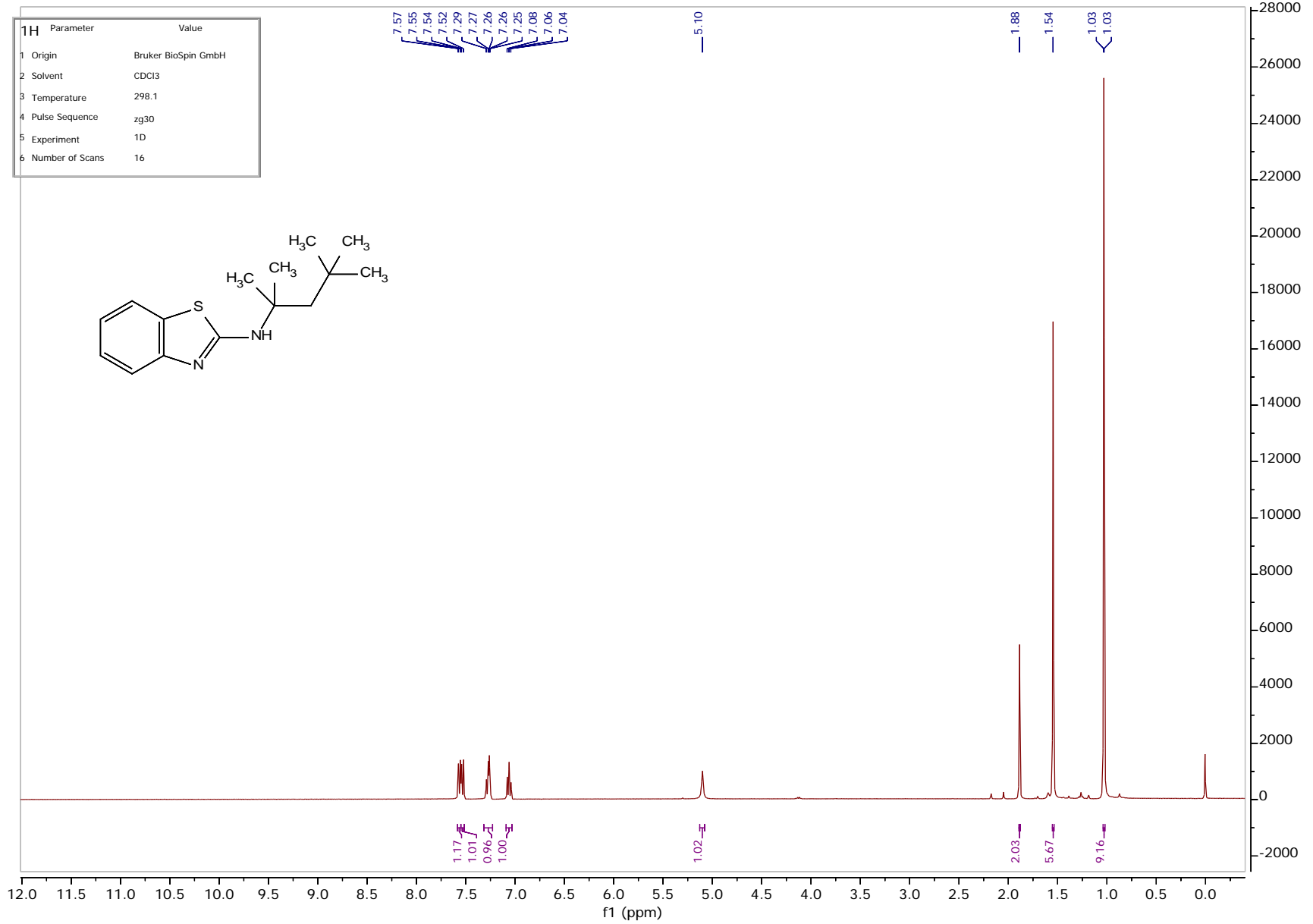
N-tert-butyl--5-chloro-1,3-benzothiazol-2-amine (3b)

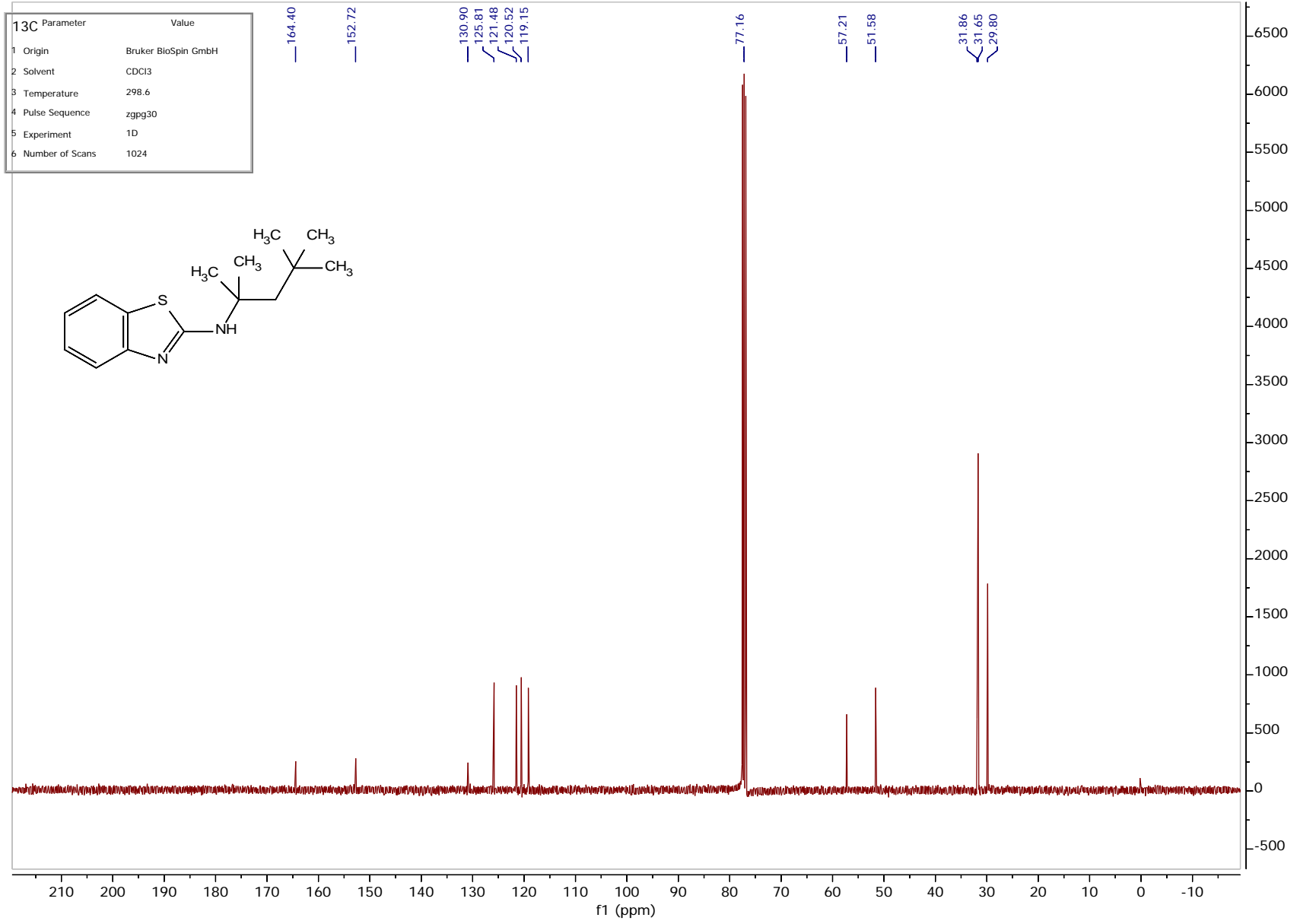


| Parameter | Value |
|--------------------------|--------|
| 1 Solvent | CDCl3 |
| 2 Temperature | 298.1 |
| 3 Pulse Sequence | zgpg30 |
| 4 Experiment | 1D |
| 5 Number of Scans | 1024 |
| 6 Receiver Gain | 211 |
| 7 Spectrometer Frequency | 100.62 |

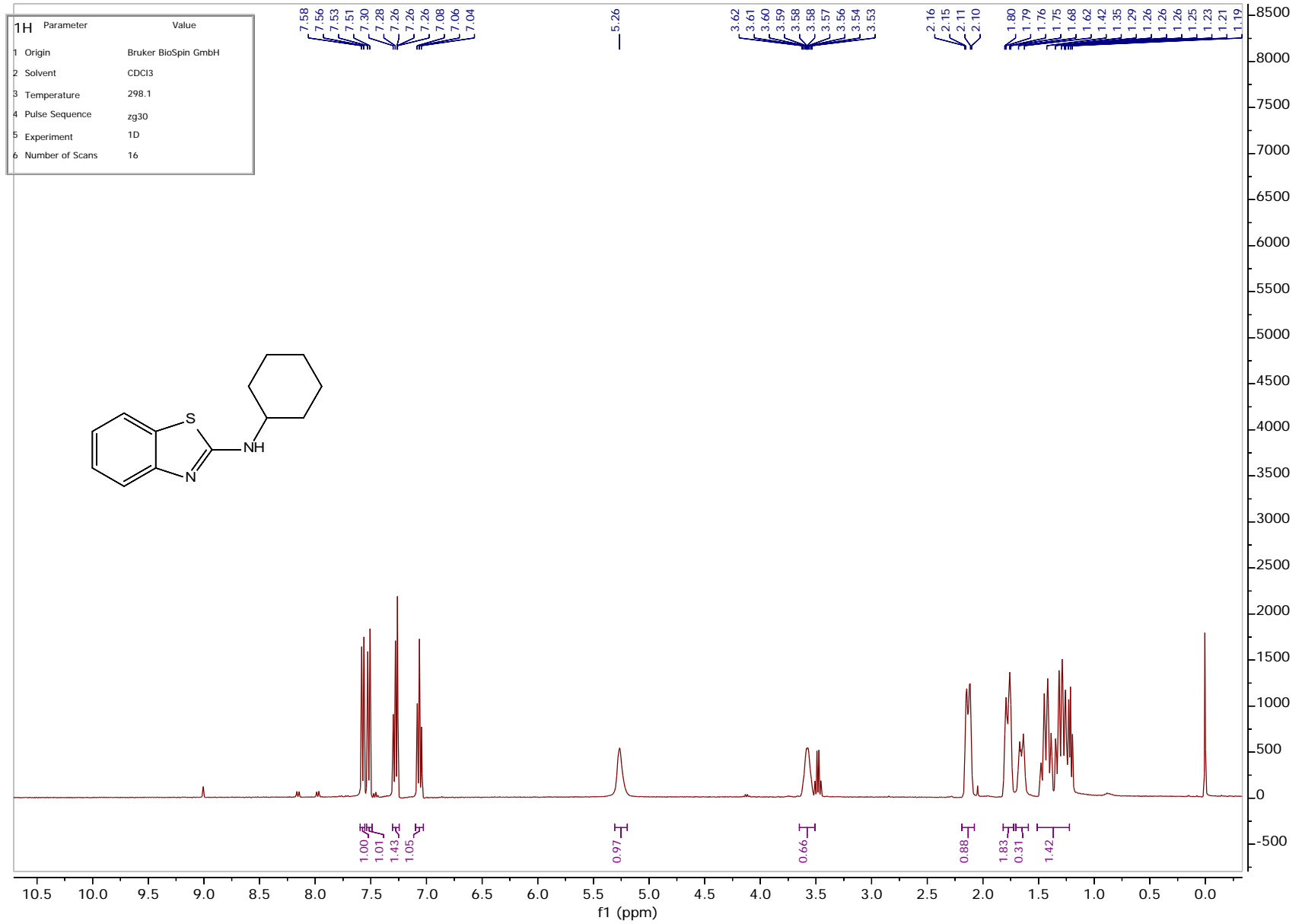


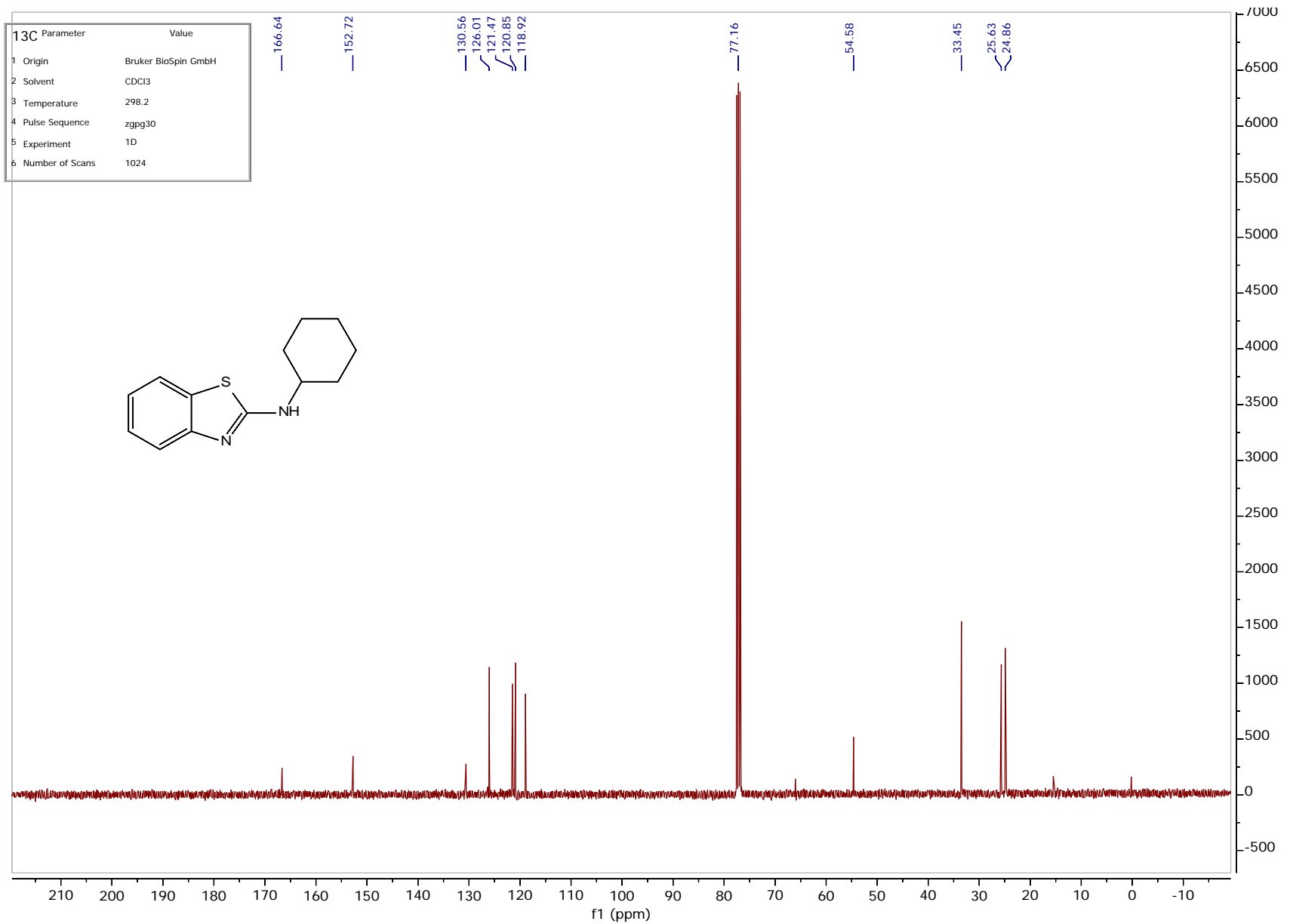
N-(2,4,4-trimethylpentan-2-yl)-1,3-benzothiazol-2-amine (3c)



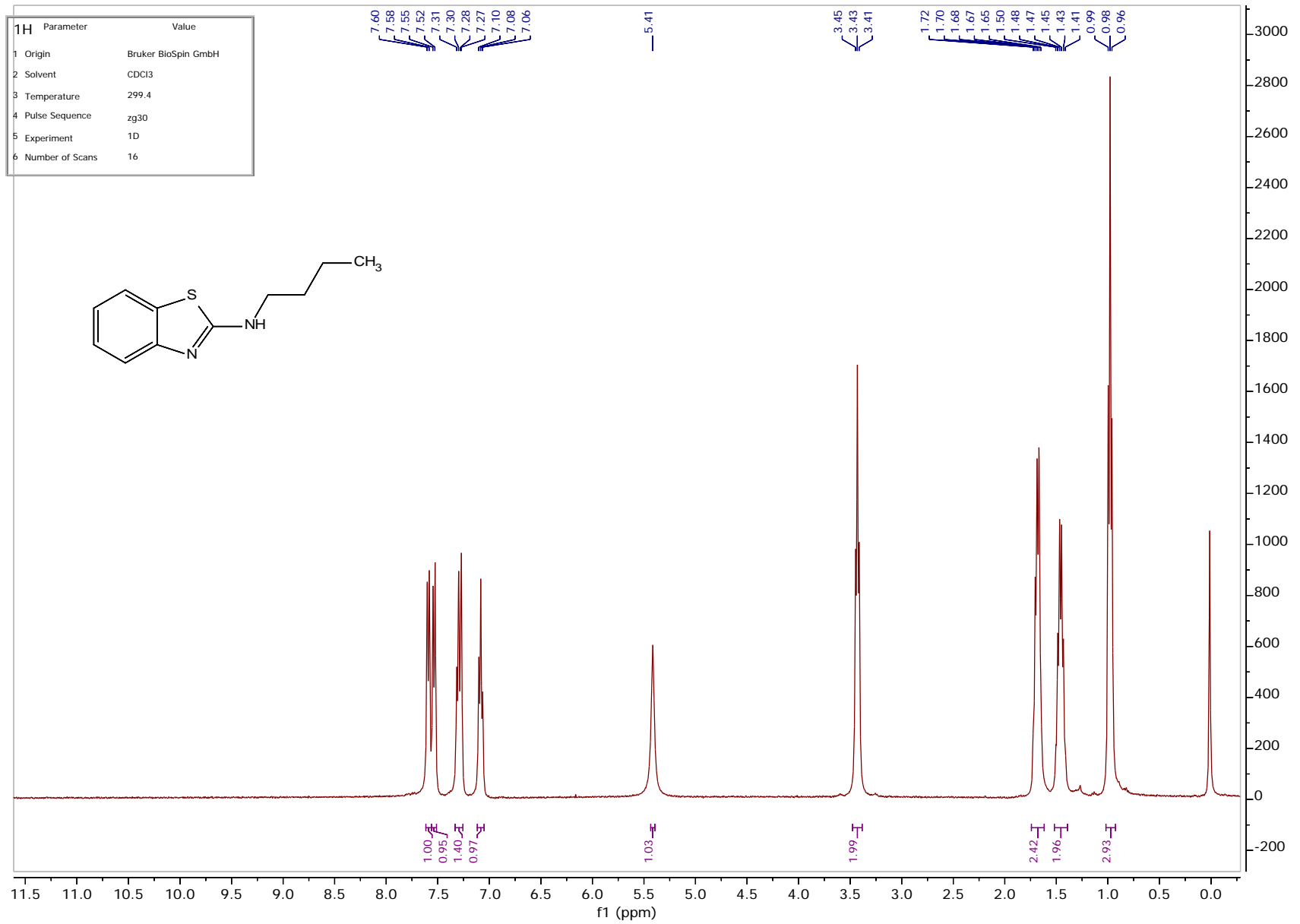


N-cyclohexyl-1,3-benzothiazol-2-amine (3d)

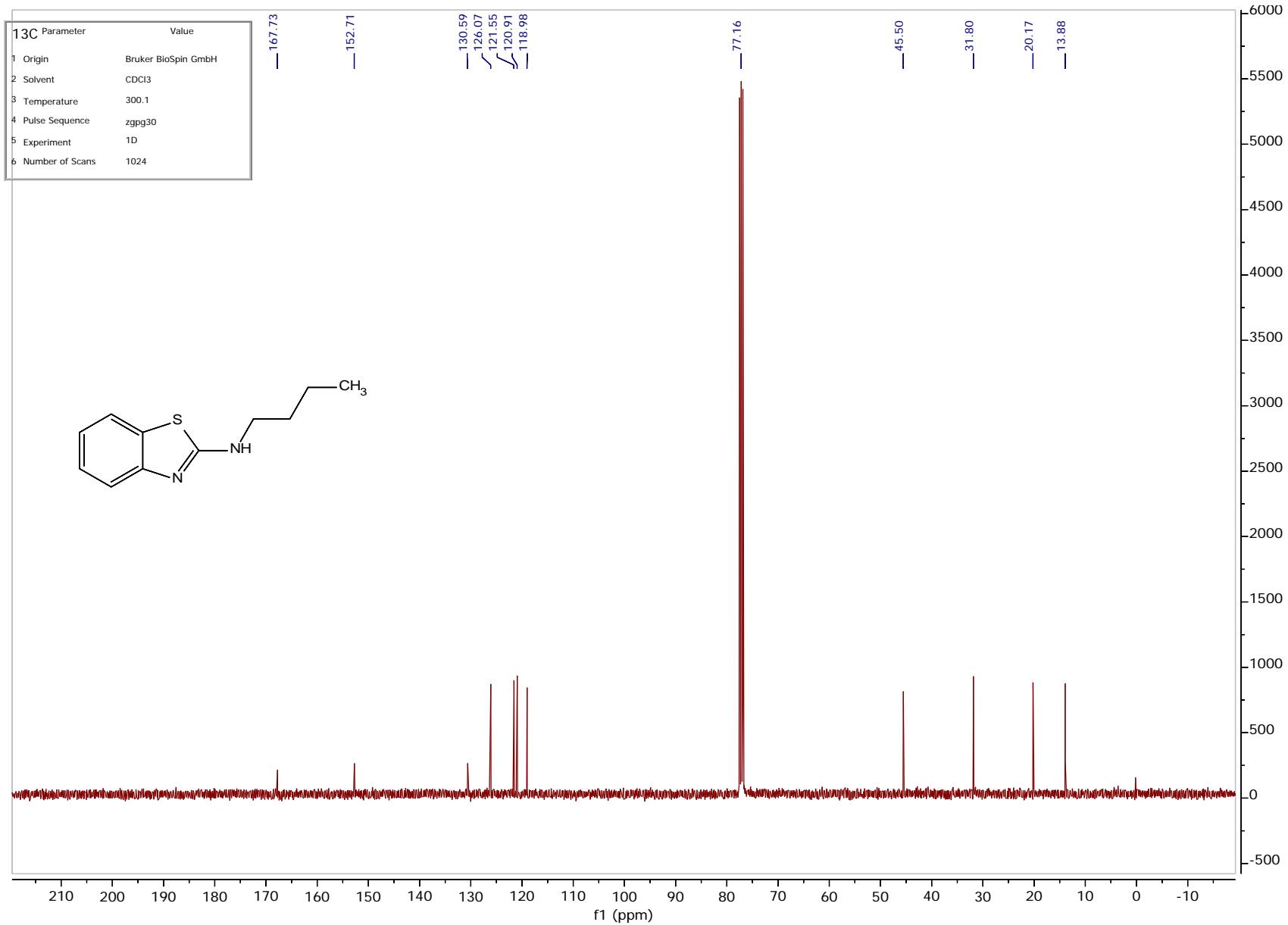




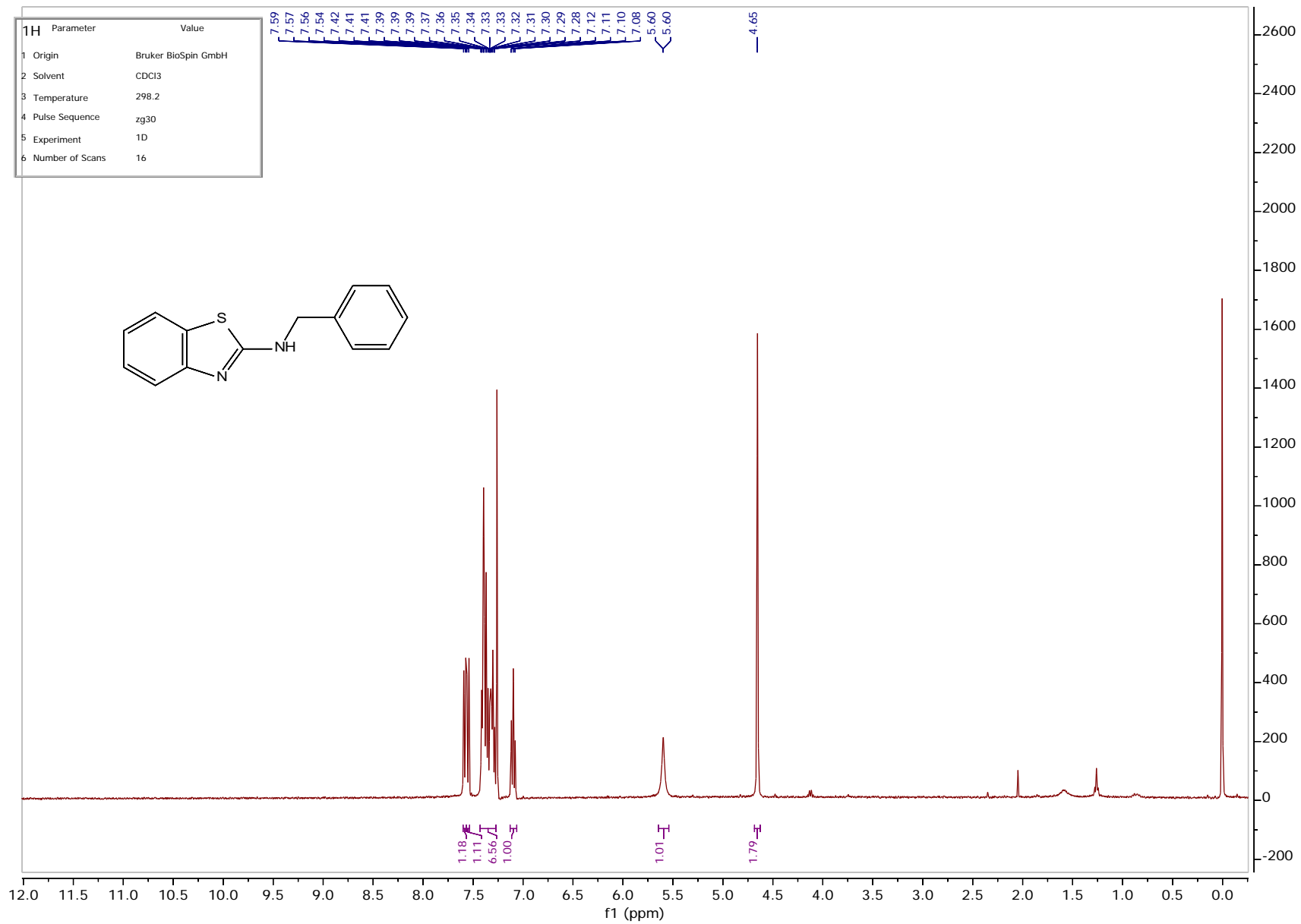
N-butyl-1,3-benzothiazol-2-amine (3e)

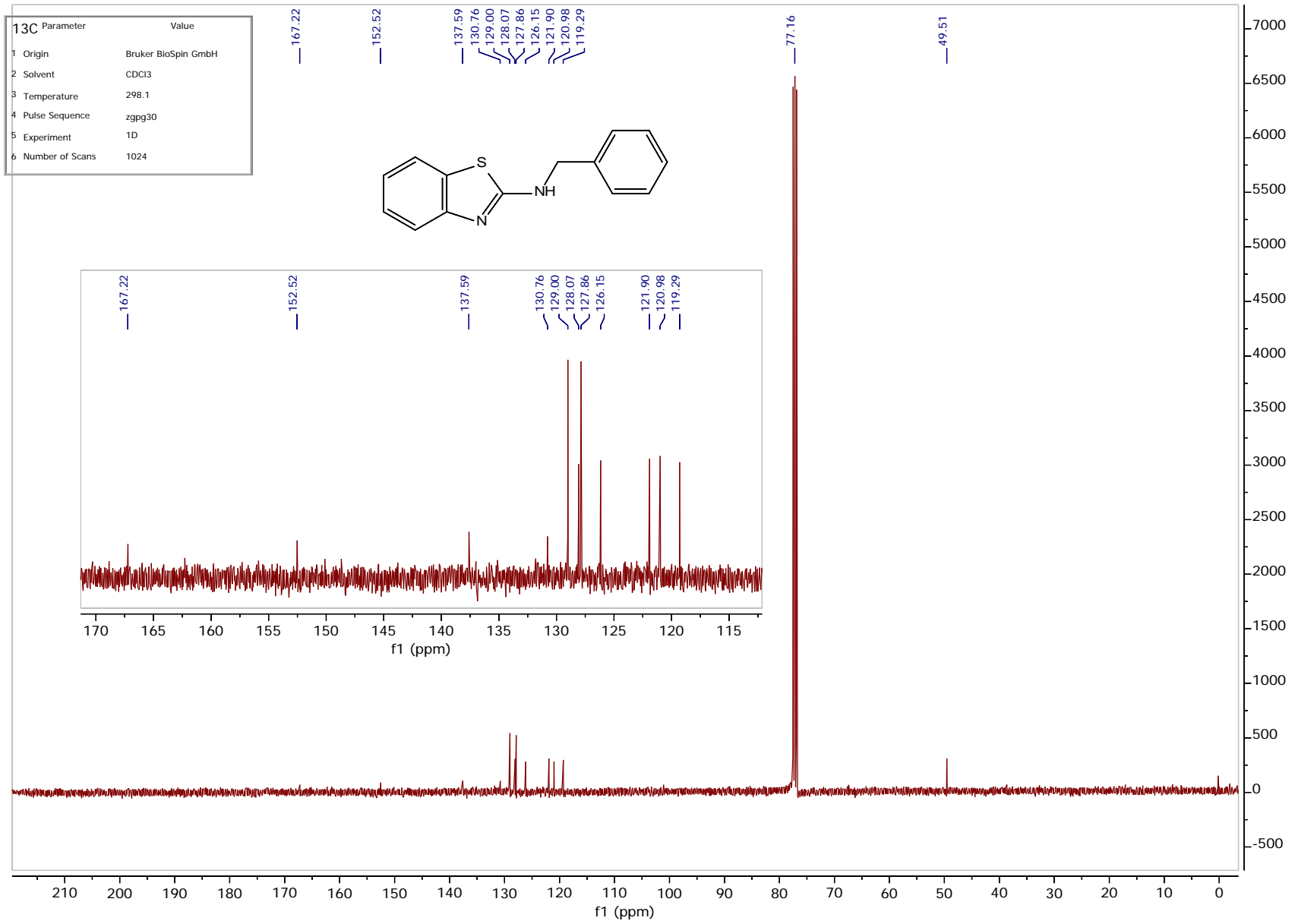


| ¹³ C | Parameter | Value |
|-----------------|-----------------|---------------------|
| 1 | Origin | Bruker BioSpin GmbH |
| 2 | Solvent | CDCl ₃ |
| 3 | Temperature | 300.1 |
| 4 | Pulse Sequence | zgpg30 |
| 5 | Experiment | 1D |
| 6 | Number of Scans | 1024 |

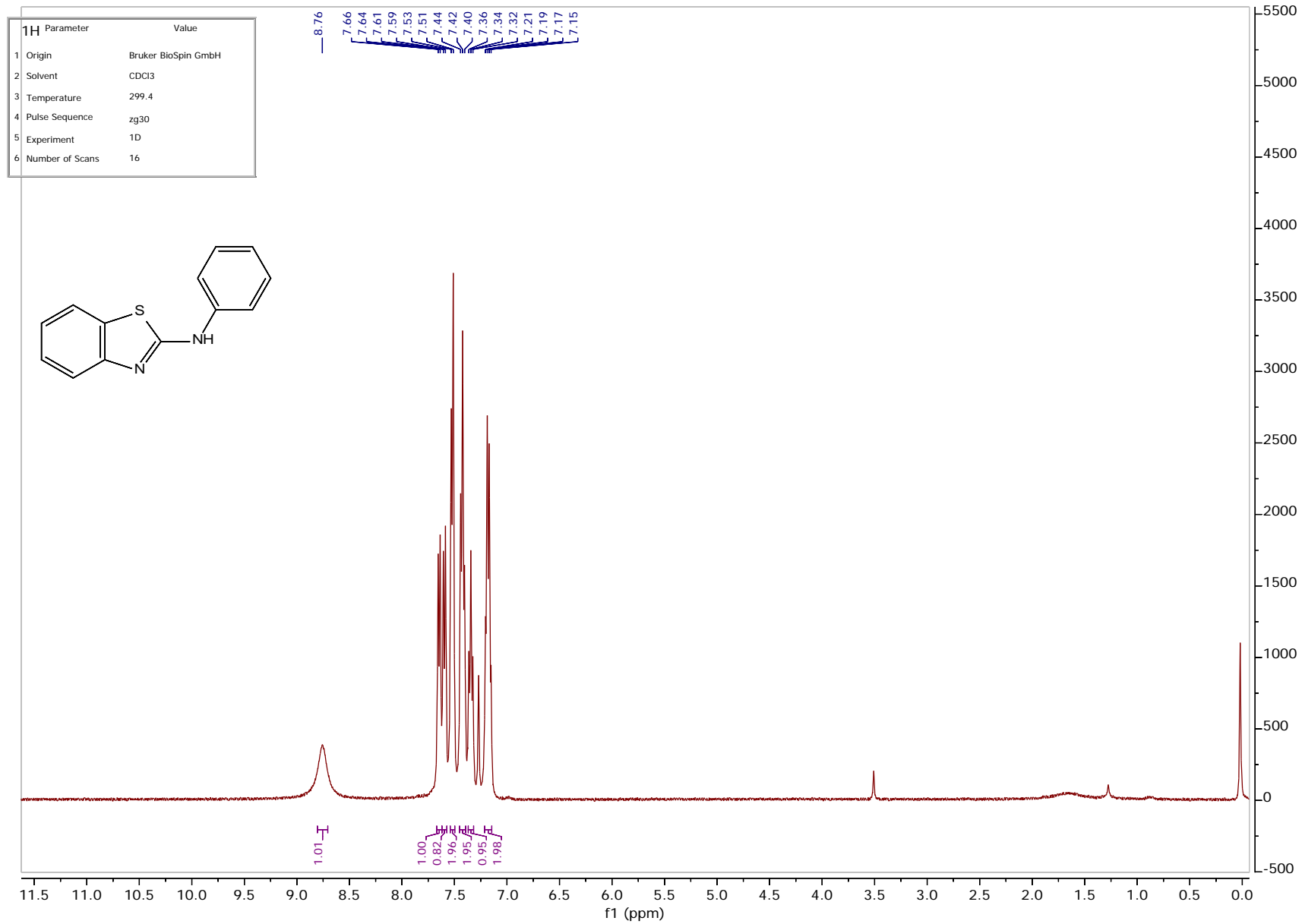


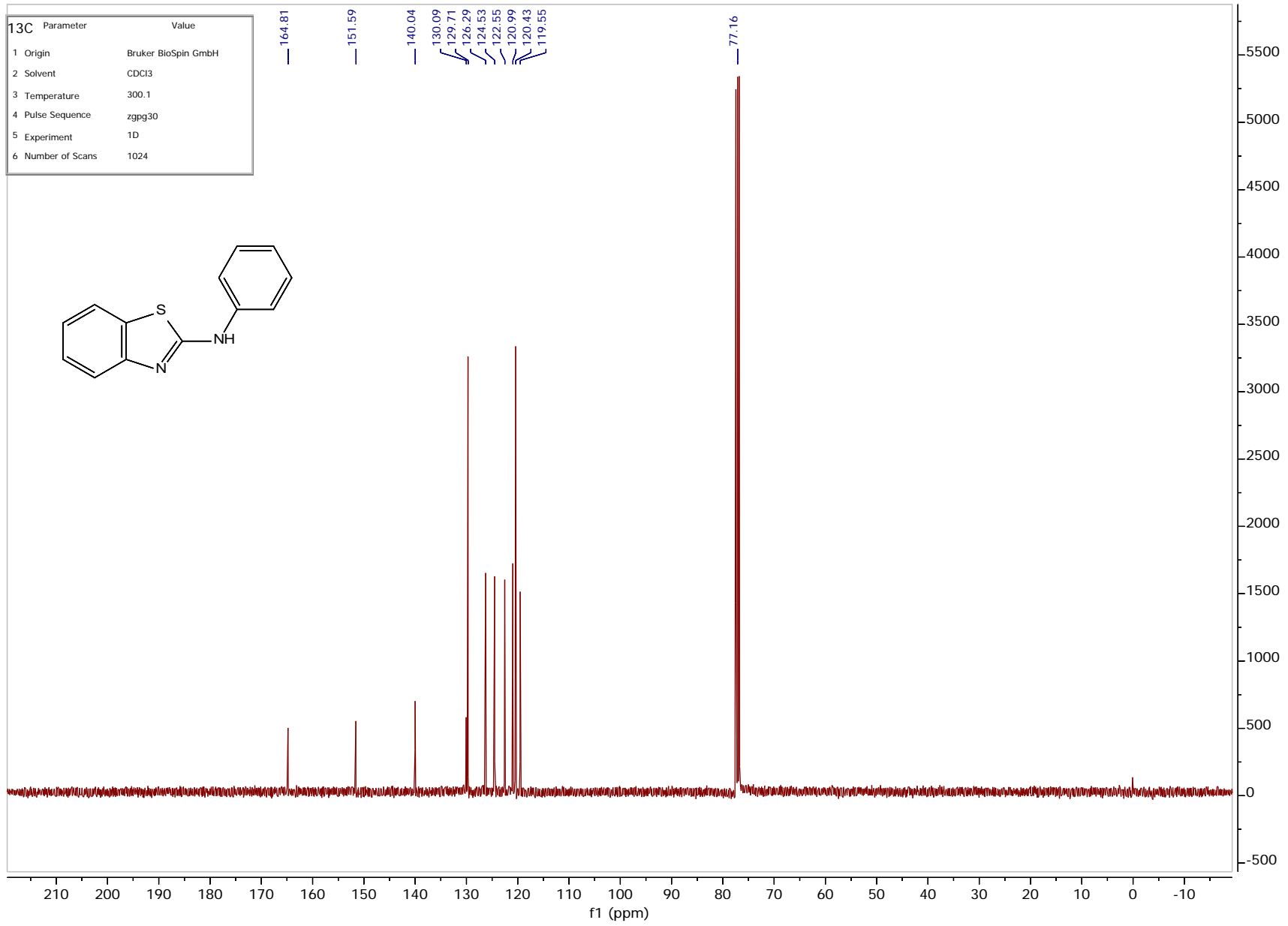
N-benzyl-1,3-benzothiazol-2-amine (3f)



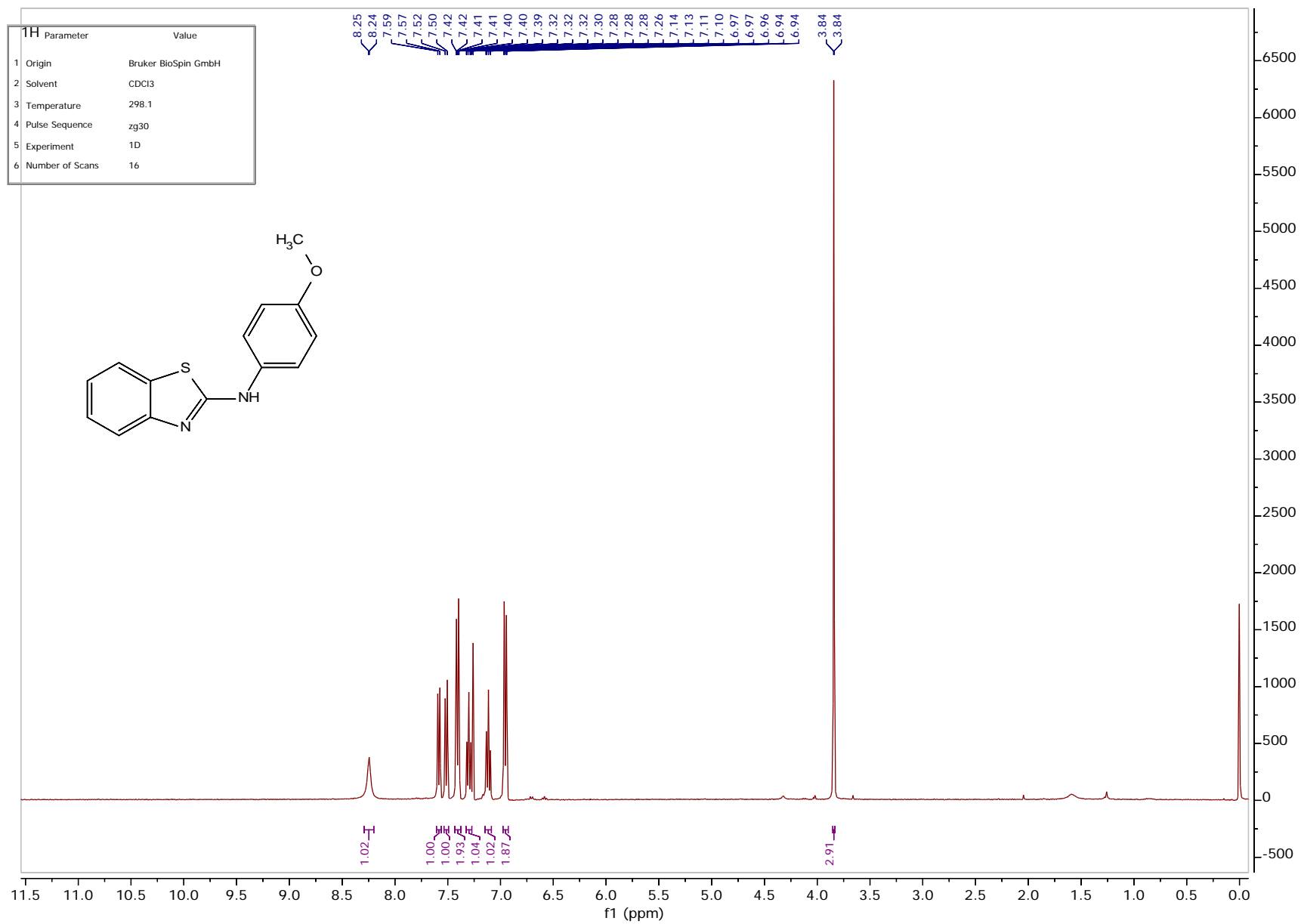


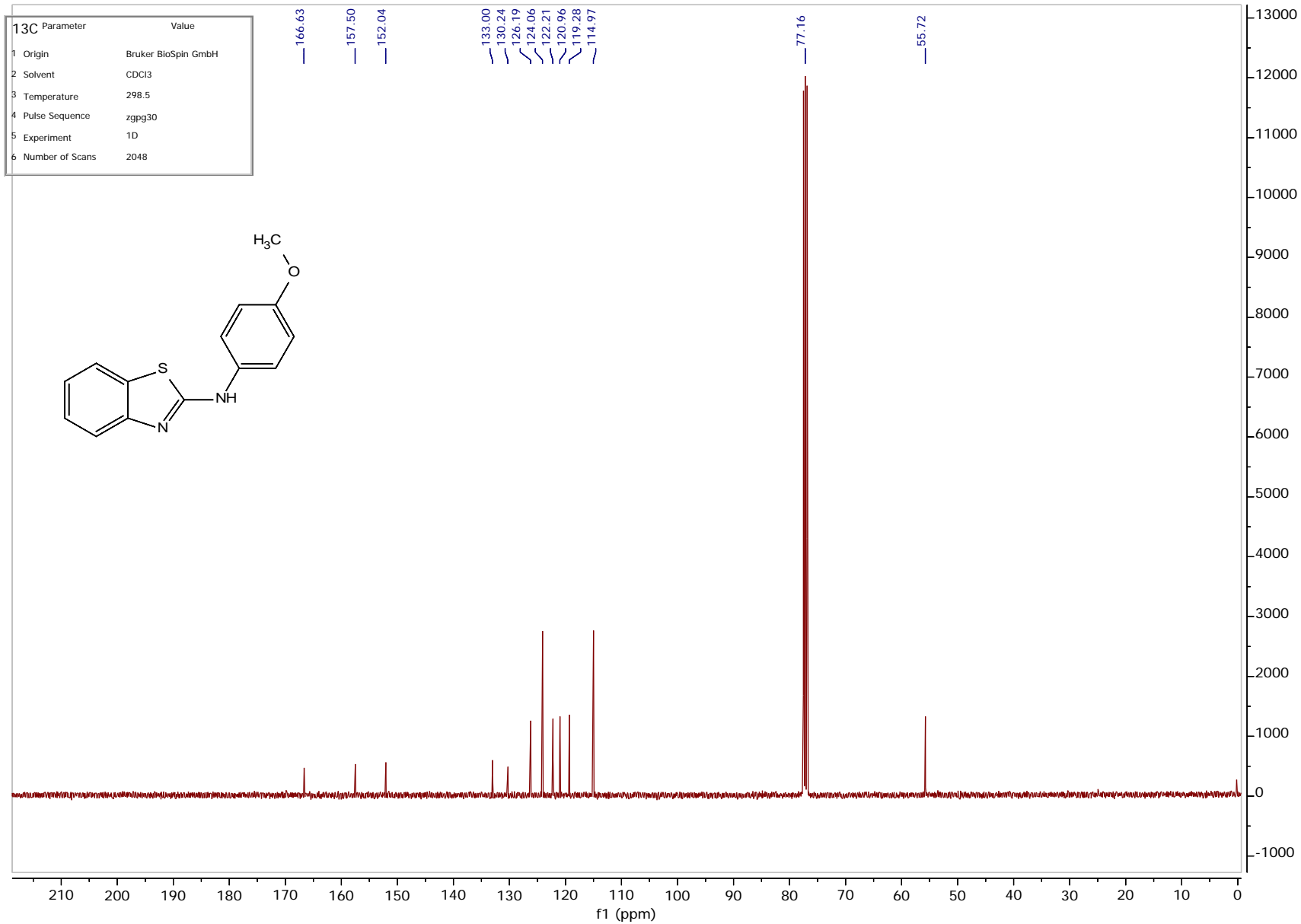
N-phenyl-1,3-benzothiazol-2-amine (3g)



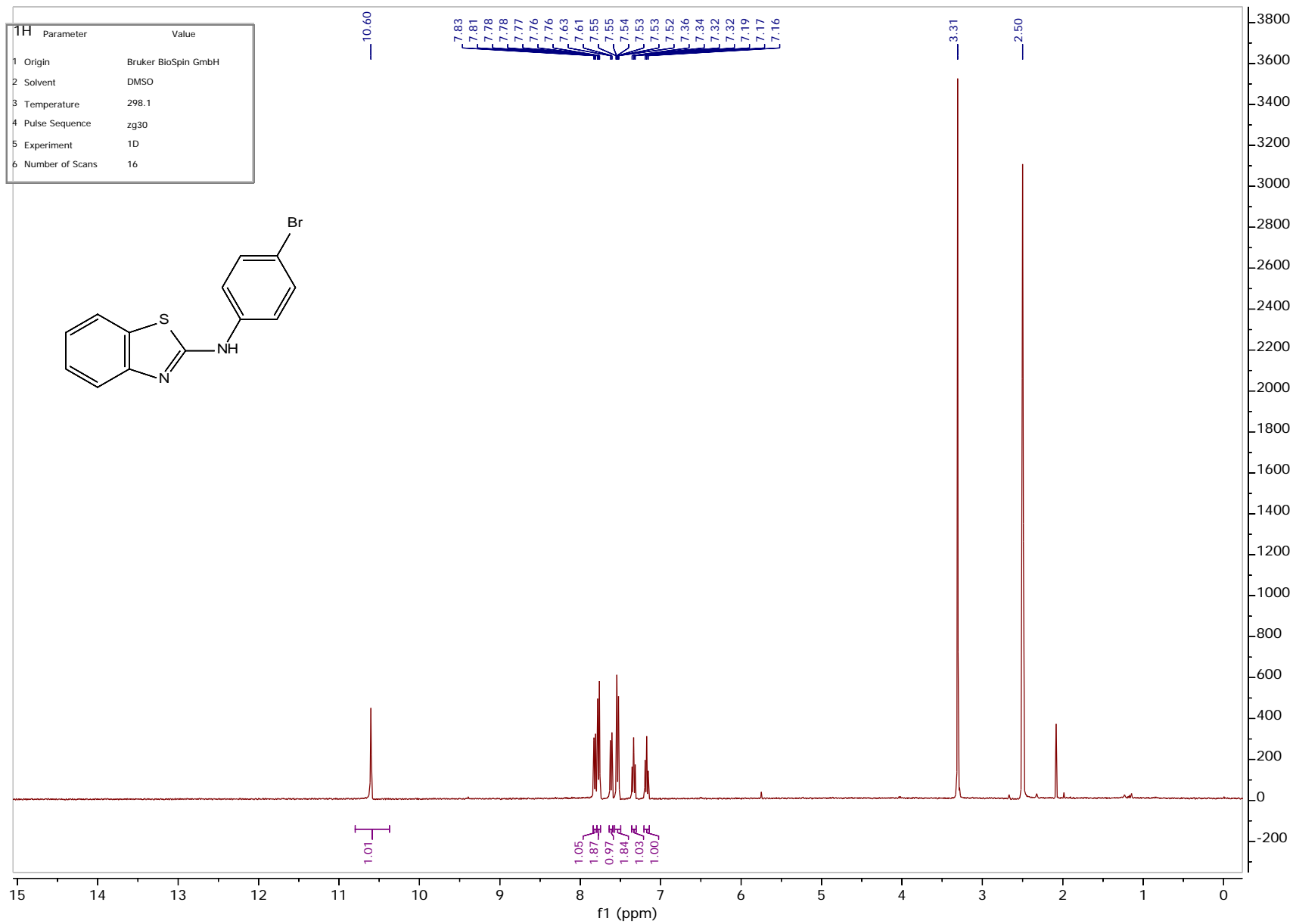


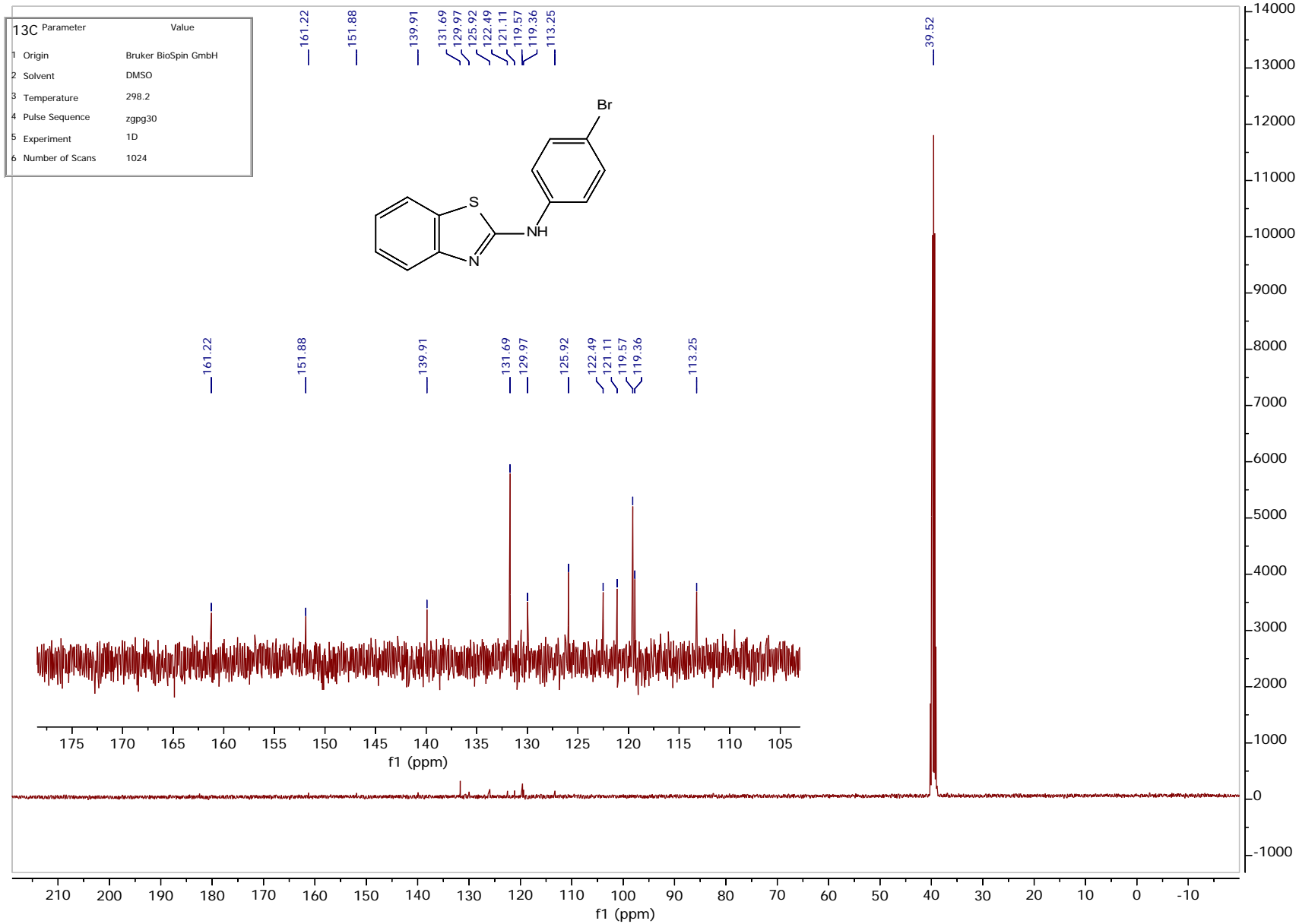
N-(4-methoxyphenyl)-1,3-benzothiazol-2-amine (3h)



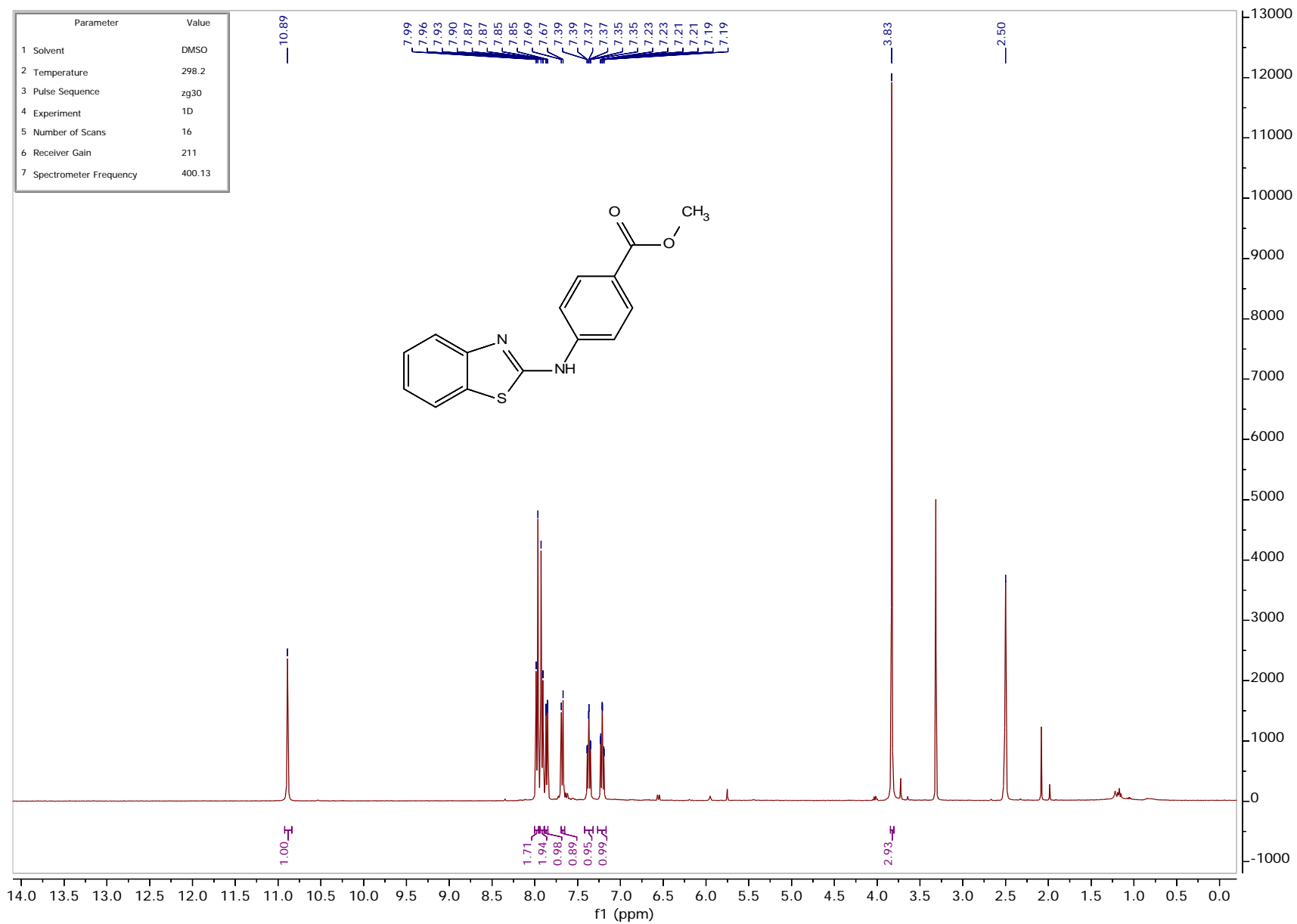


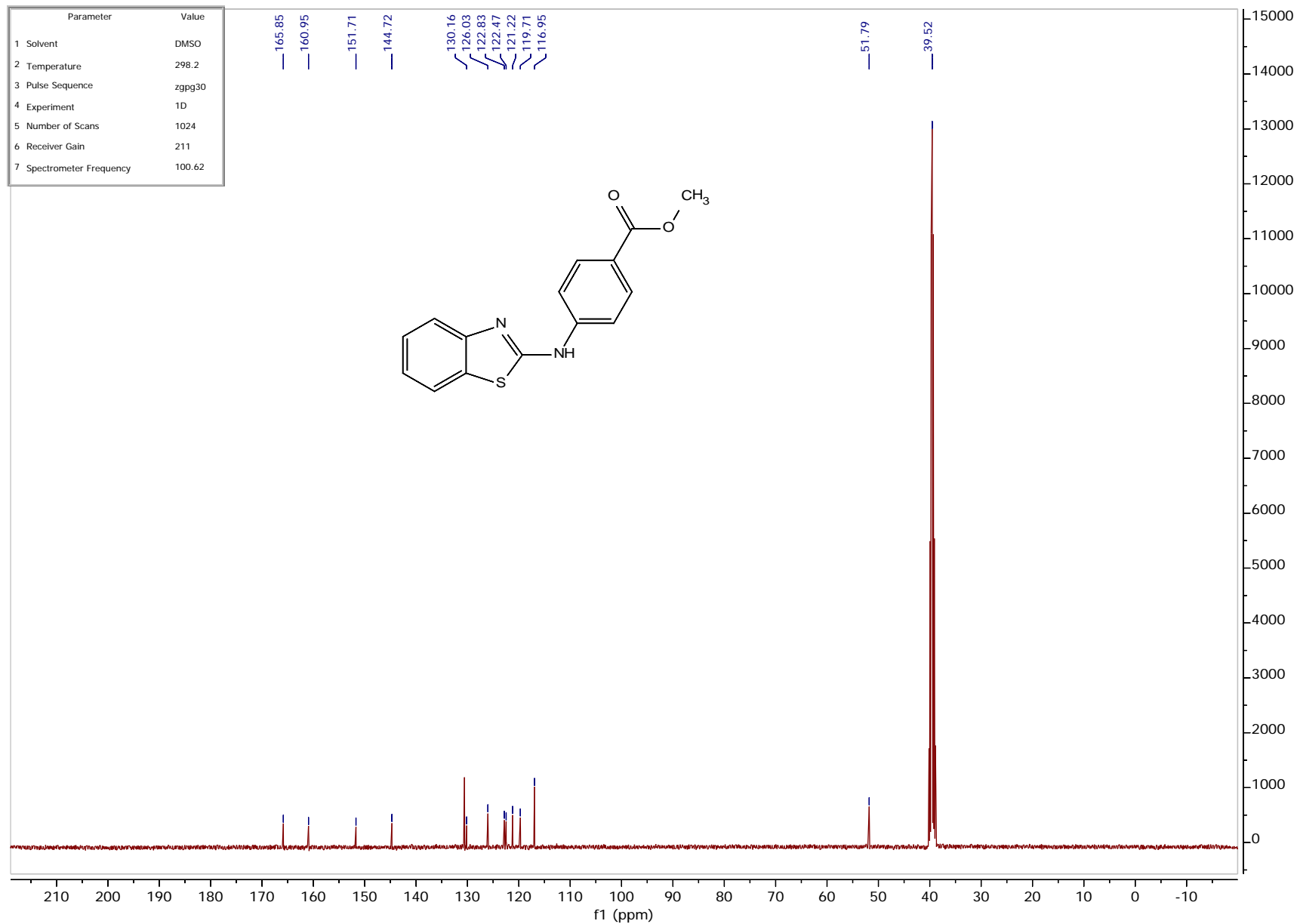
N-(4-bromophenyl)-1,3-benzothiazol-2-amine (3i)



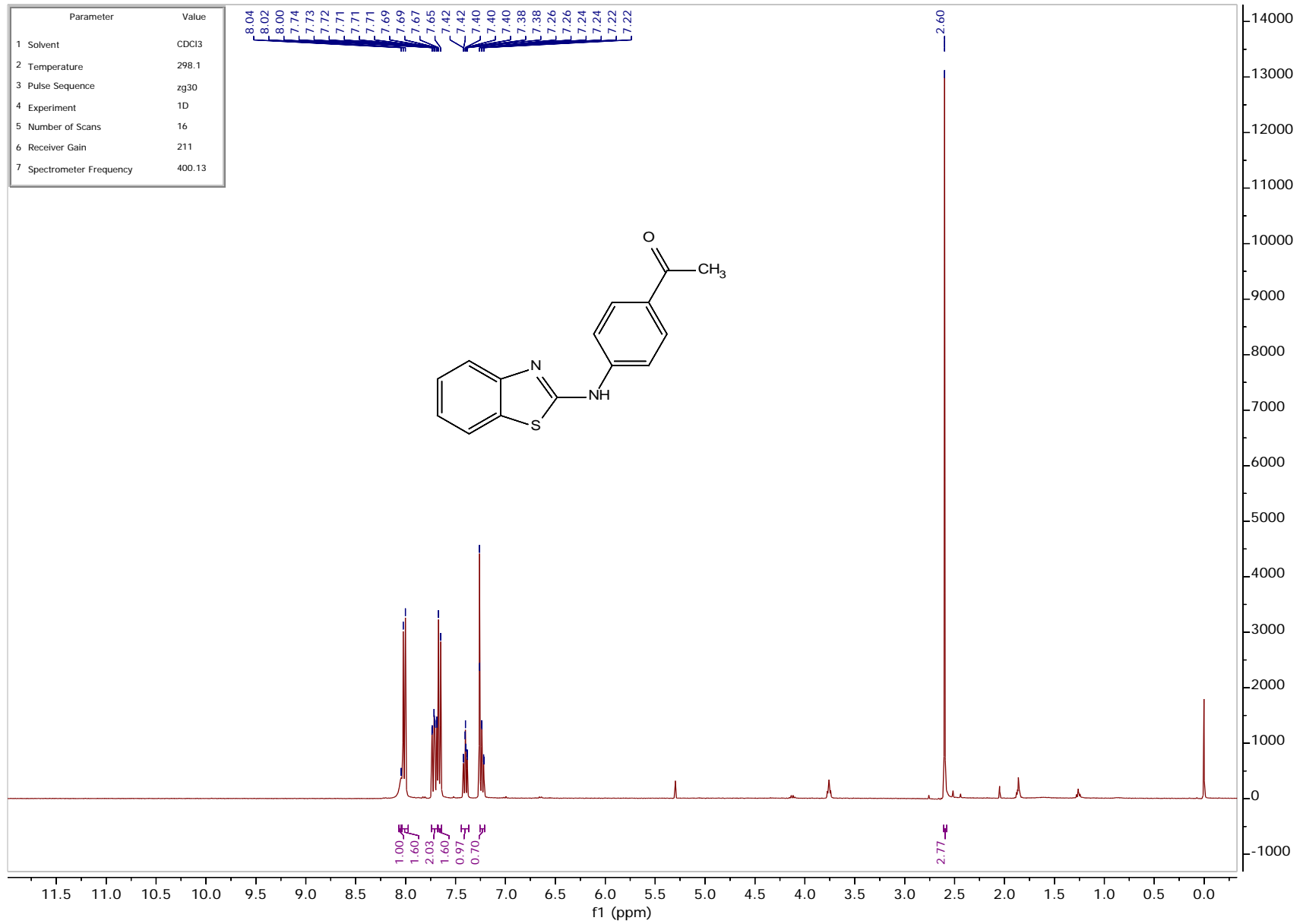


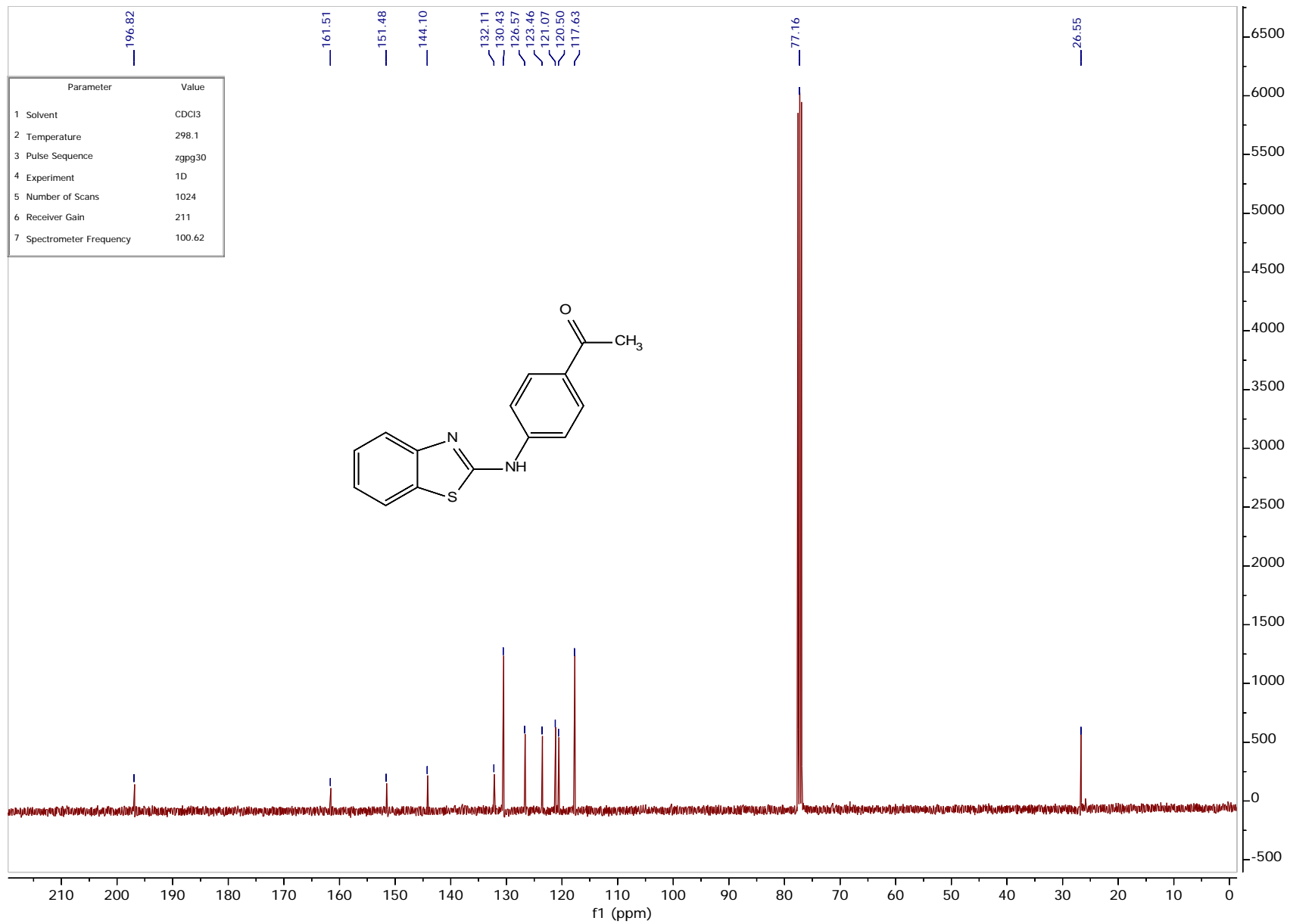
Methyl 4-[(1,3-benzothiazol-2-yl)amino]benzoate (3j)



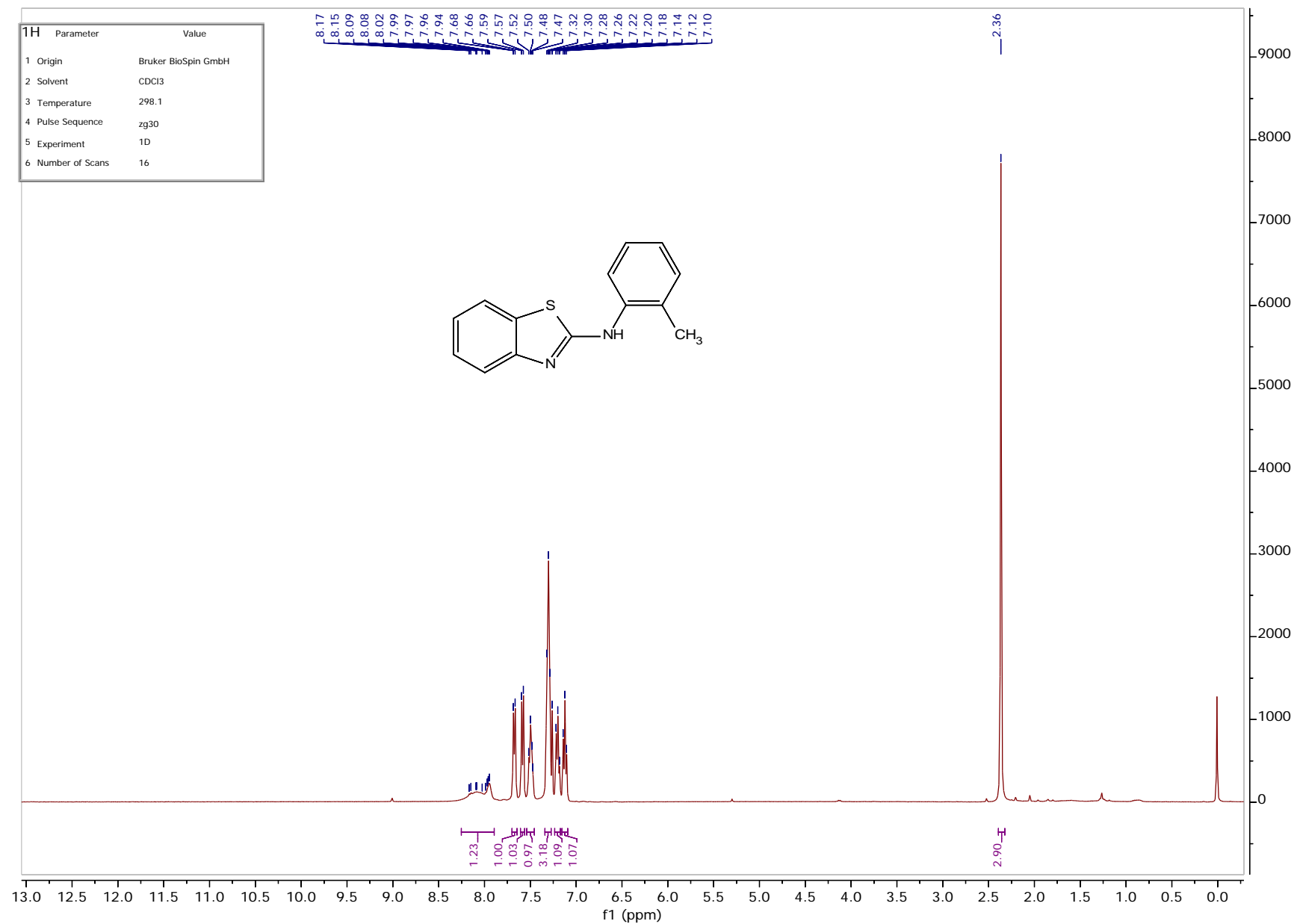


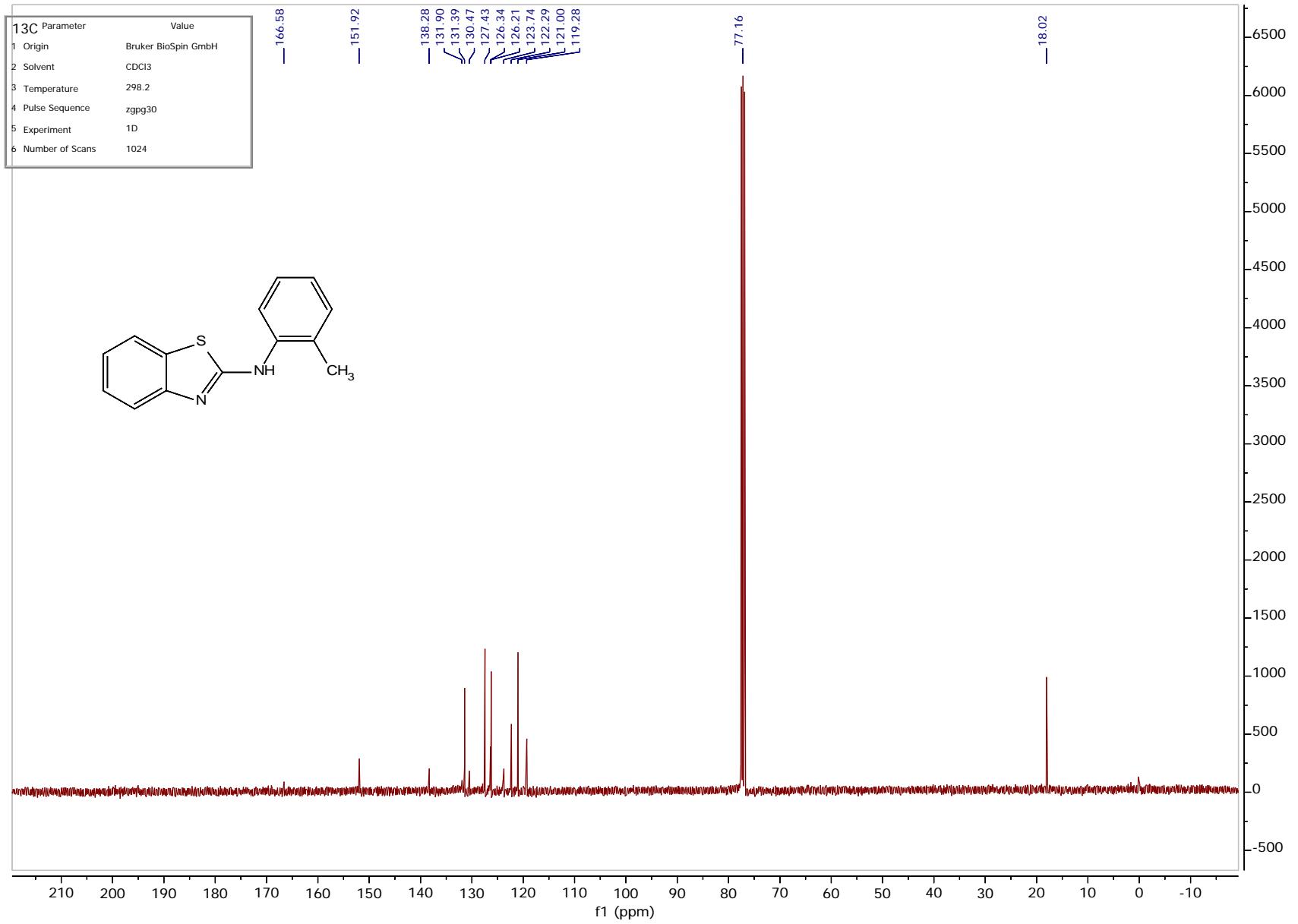
1-{4-[(1.3-benzothiazol-2-yl)amino]phenyl}ethan-1-one (3k)





N-(2-methylphenyl)-1,3-benzothiazol-2-amine (3l)





N-(2-methyl-5-nitrophenyl)-1,3-benzothiazol-2-amine (3m)

