

Synthesis, photophysical and electrochemical properties of 1, 2, 3-triazolyl bridged ferrocenyl dendrimers through click reaction

Perumal Rajakumar,* Ayyavoo Kannan and Ramasamy Anandhan

Department of Organic Chemistry, University of Madras, Guindy Campus, Chennai -600025,
Tamil Nadu, India Tel.: +91 44 22202812;

Fax: +91 44 22352492; E-mail: perumalrajakumar@gmail.com

SUPPORTING INFORMATION

- | | | |
|--|---|----------|
| 1. Ferrocenyl dendrimer 3 and 4 Various scan rate plots | - | P-1-P-3 |
| 2. ^1H and ^{13}C NMR spectra of compounds 1, 2, 3, 4, 6, 7, 10, 11, 12, 13, 15 and 16 | - | P-4-P-27 |

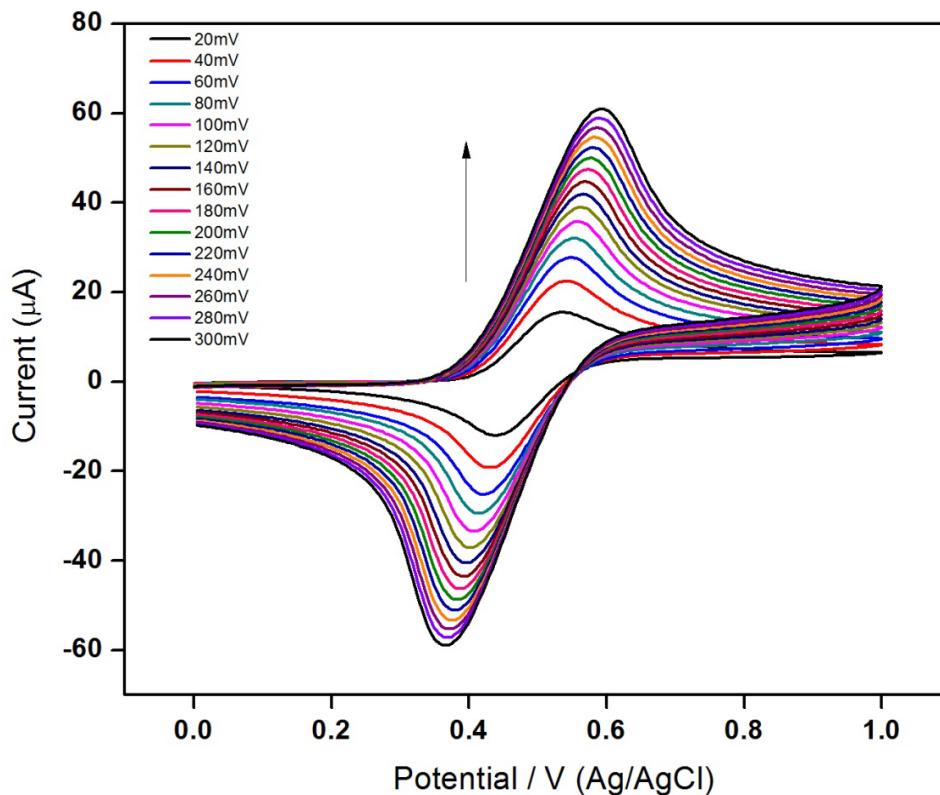


Figure S1: Ferrocenyldendrimer **3** for various scan rates (From inner to outer at 20 mV/s, 40 mV/s, 60 mV/s, 80 mV/s, 100 mV/s, 120 mV/s 140 mV/s, 160 mV/s, 180 mV/s, 200 mV/s, 220 mV/s, 240 mV/s, 260 mV/s 280 mV/s and 300 mV/s)

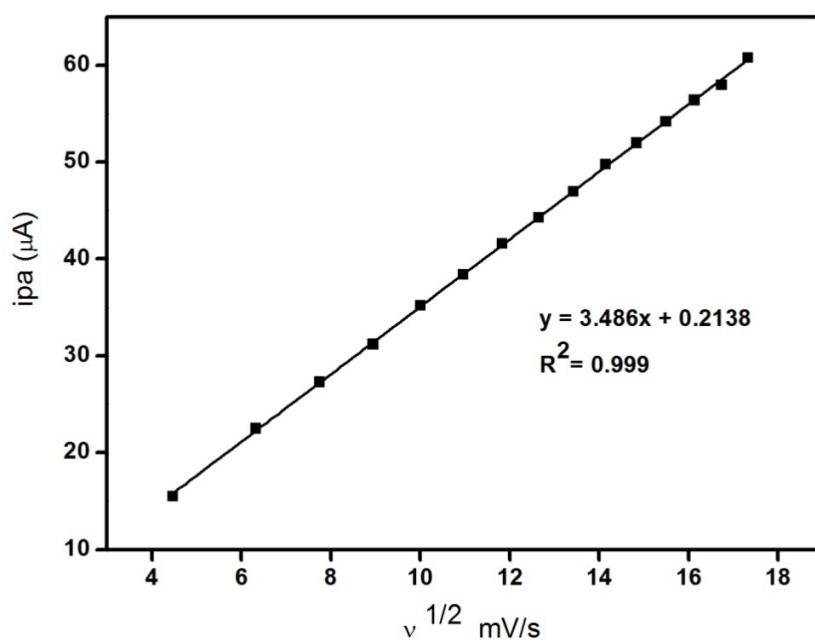


Figure S2: Ferrocenyldendrimer **3** Calibration plot of square root of scan rate ($v^{1/2}$) vs. anodic peak current (ipa)

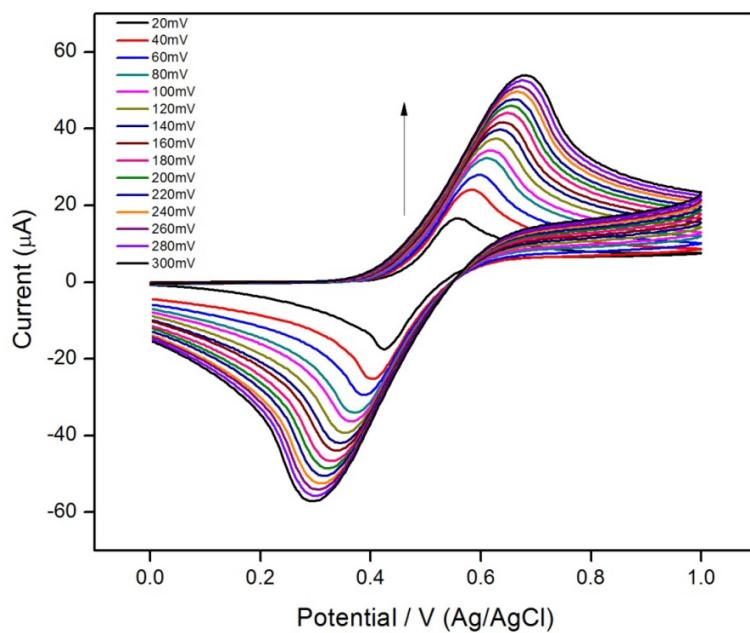


Figure S3: Ferrocenyldendrimer **4** for various scan rates (From inner to outer at 20 mV/s, 40 mV/s, 60 mV/s, 80 mV/s, 100 mV/s, 120 mV/s 140 mV/s, 160 mV/s, 180 mV/s, 200 mV/s, 220 mV/s, 240 mV/s, 260 mV/s 280 mV/s and 300 mV/s)

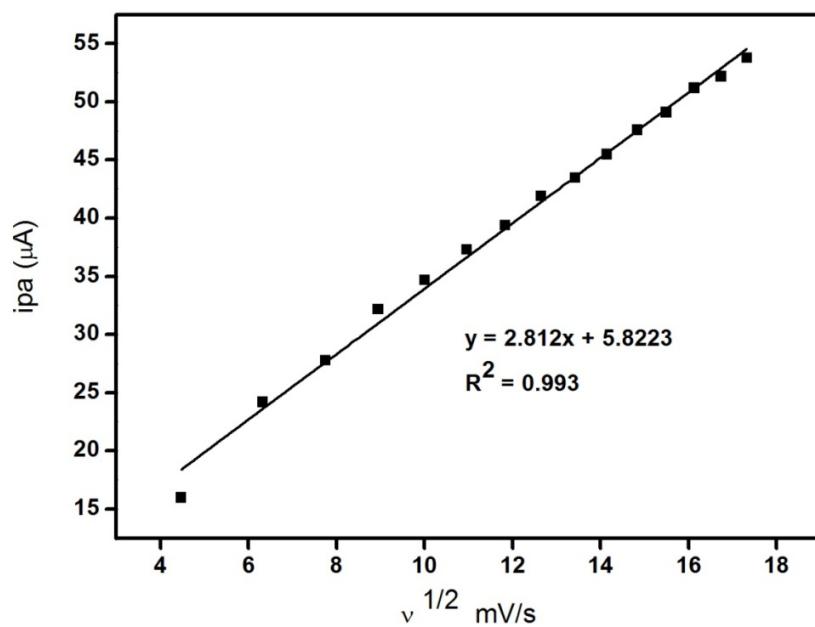
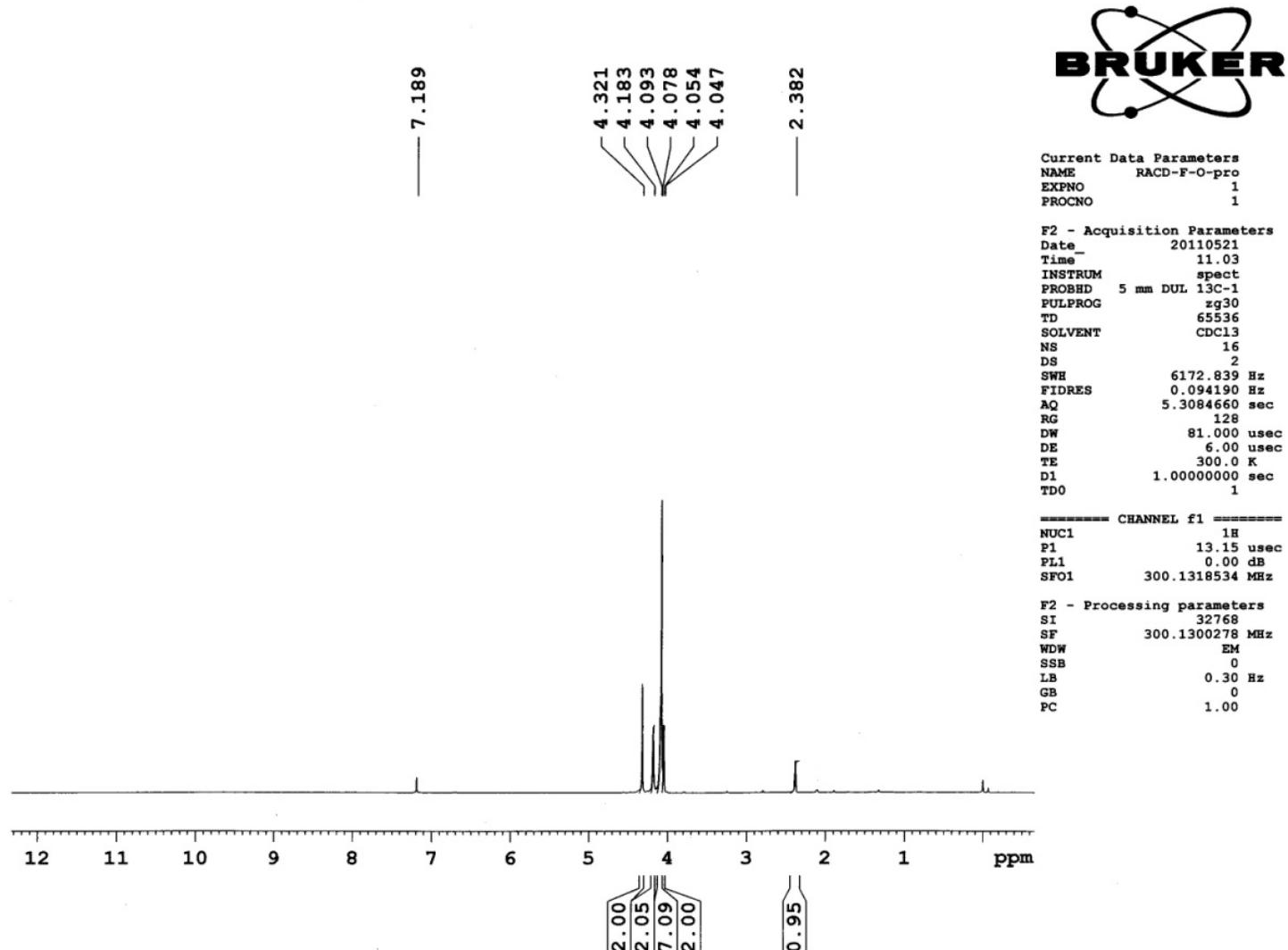
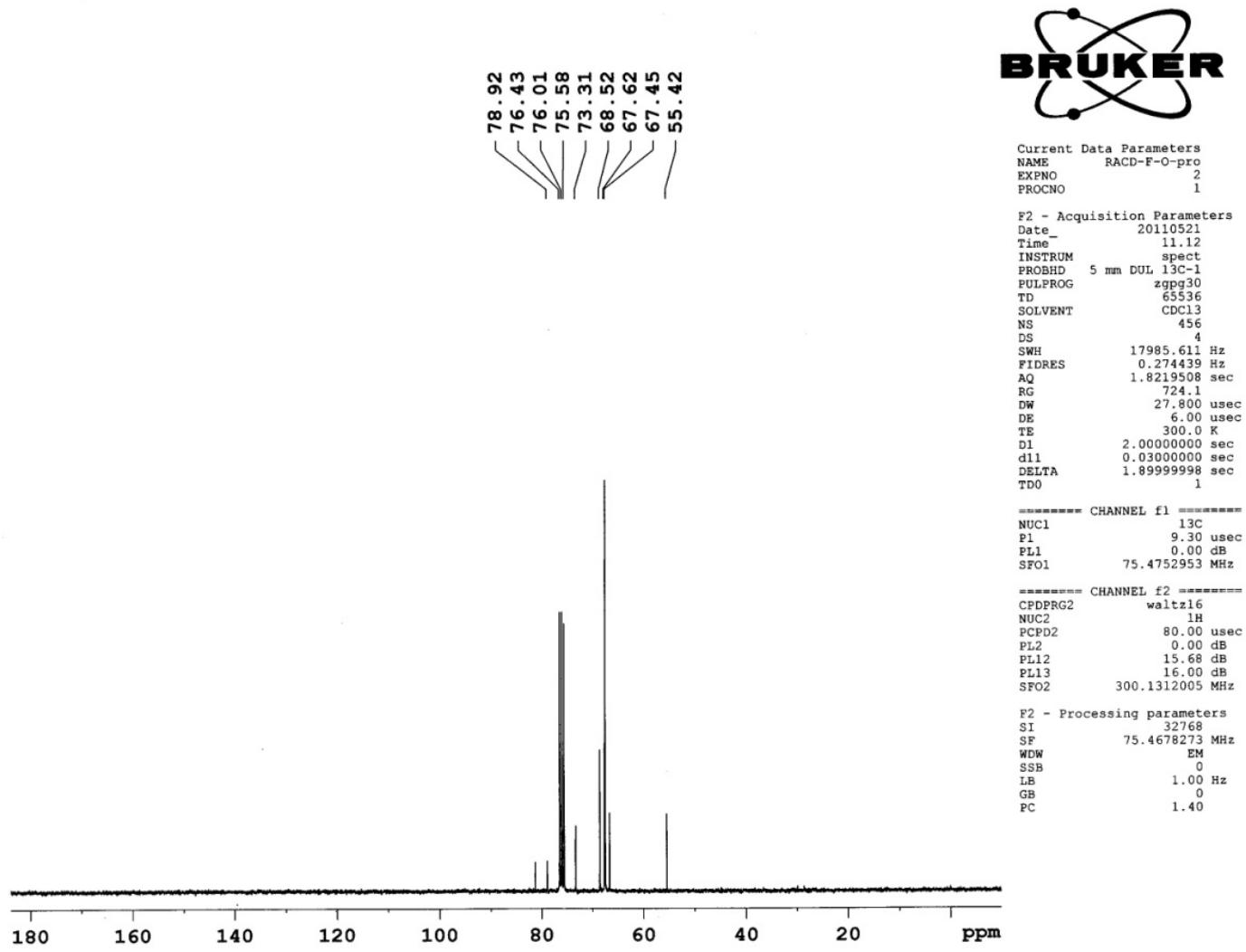


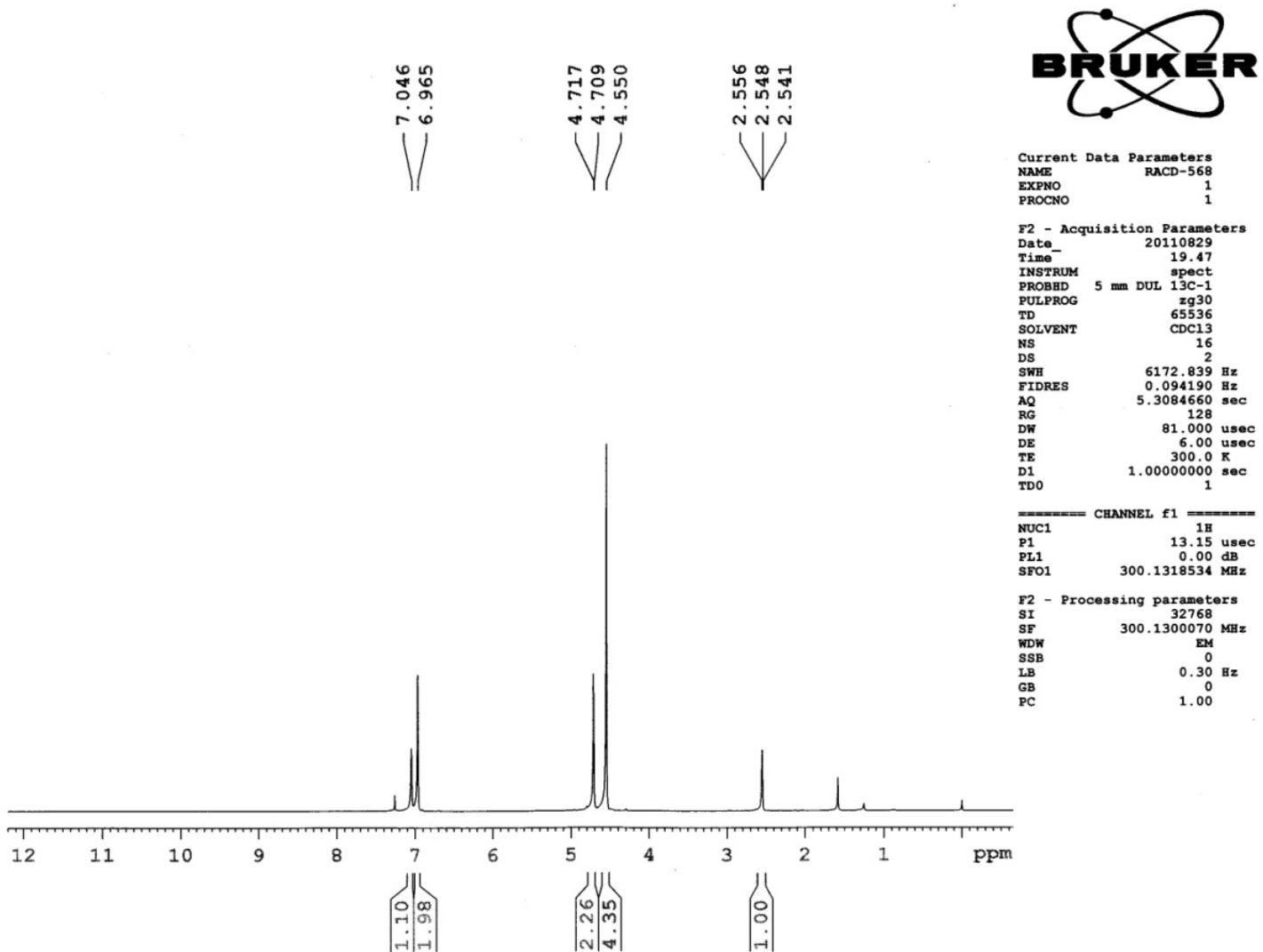
Figure S4: Ferrocenyldendrimer **4** Calibration plot of square root of scan rate ($v^{1/2}$) vs. anodic peak current (ipa)



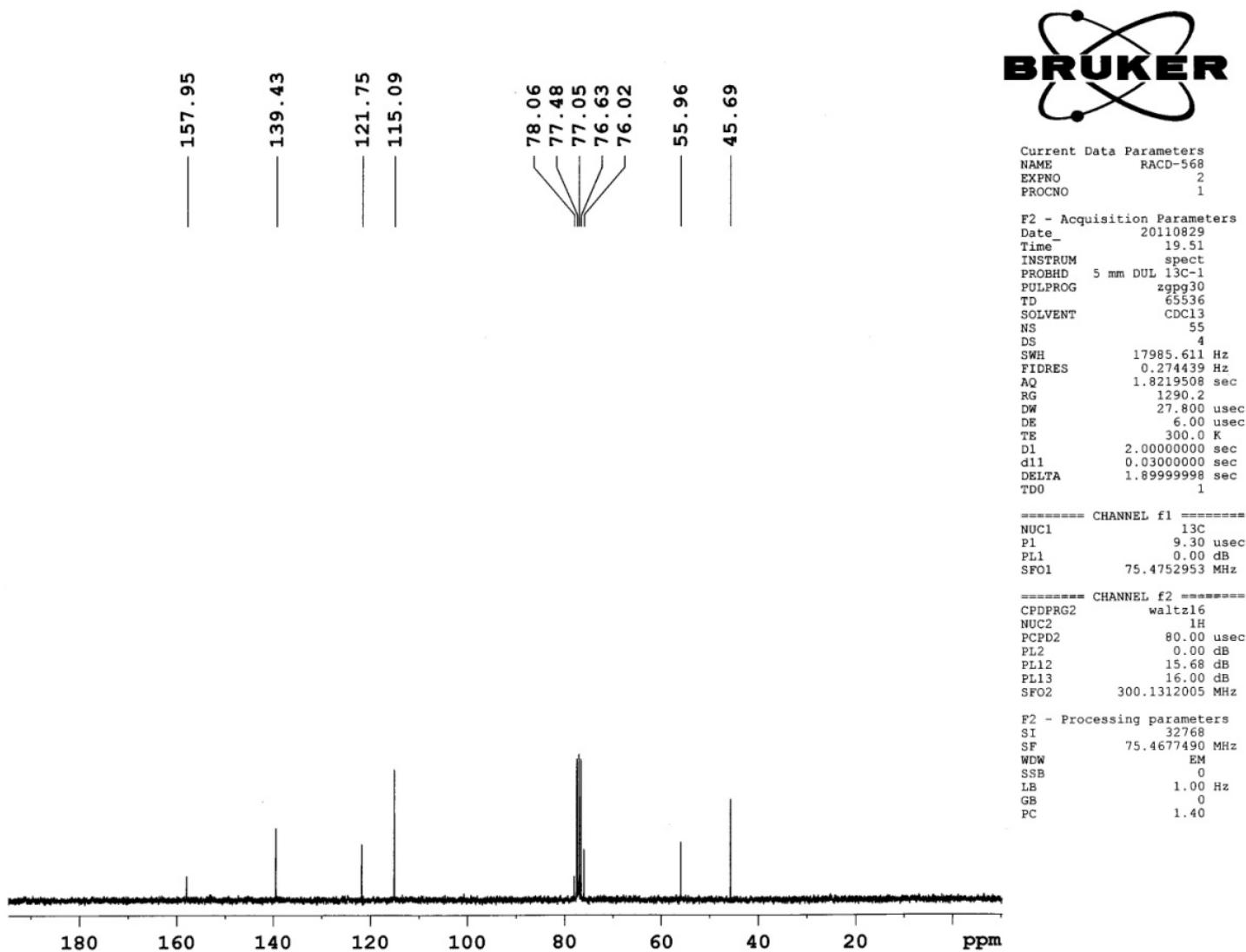
^1H (CDCl_3) NMR spectra of the compound 6



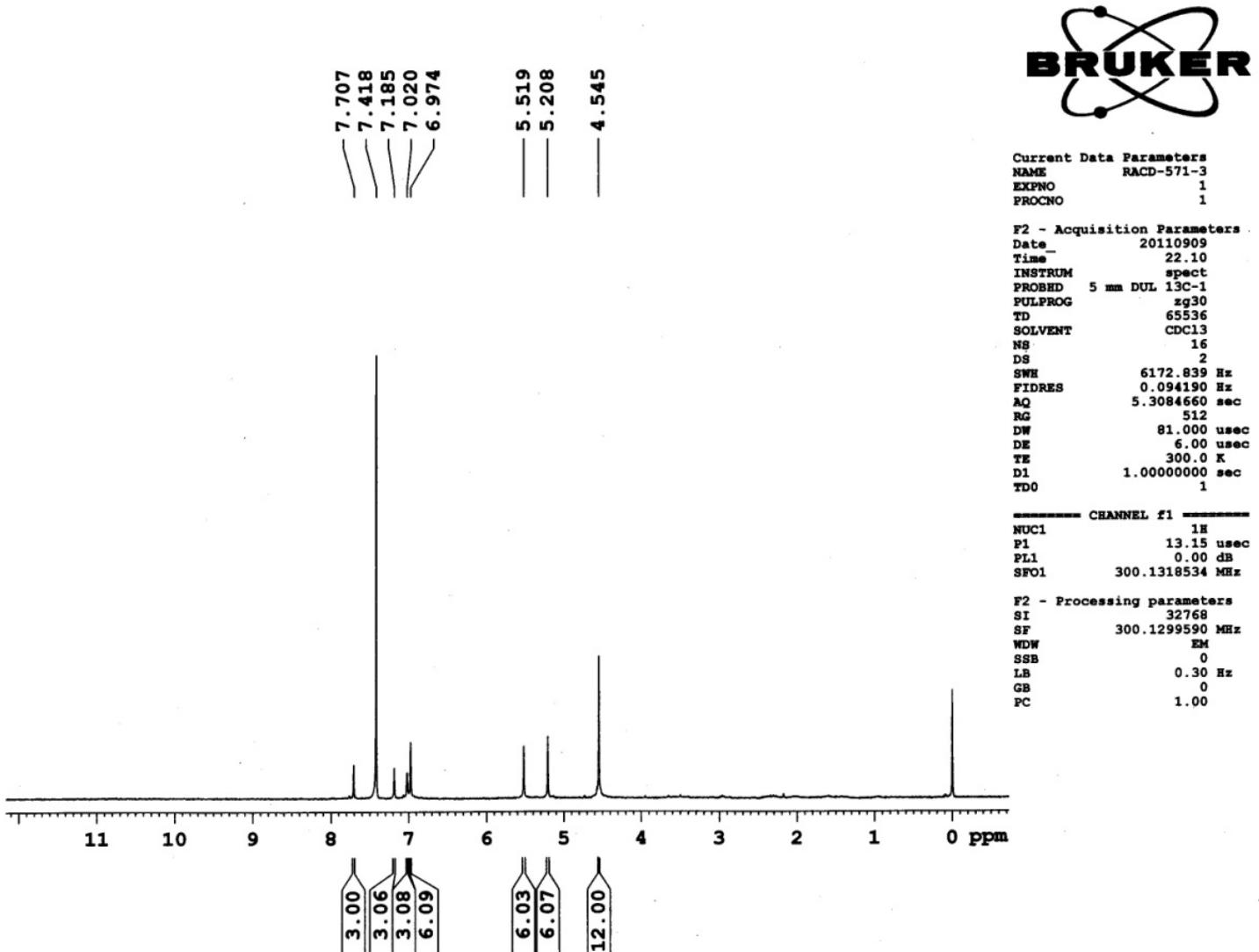
^{13}C (CDCl_3) NMR spectra of the compound 6



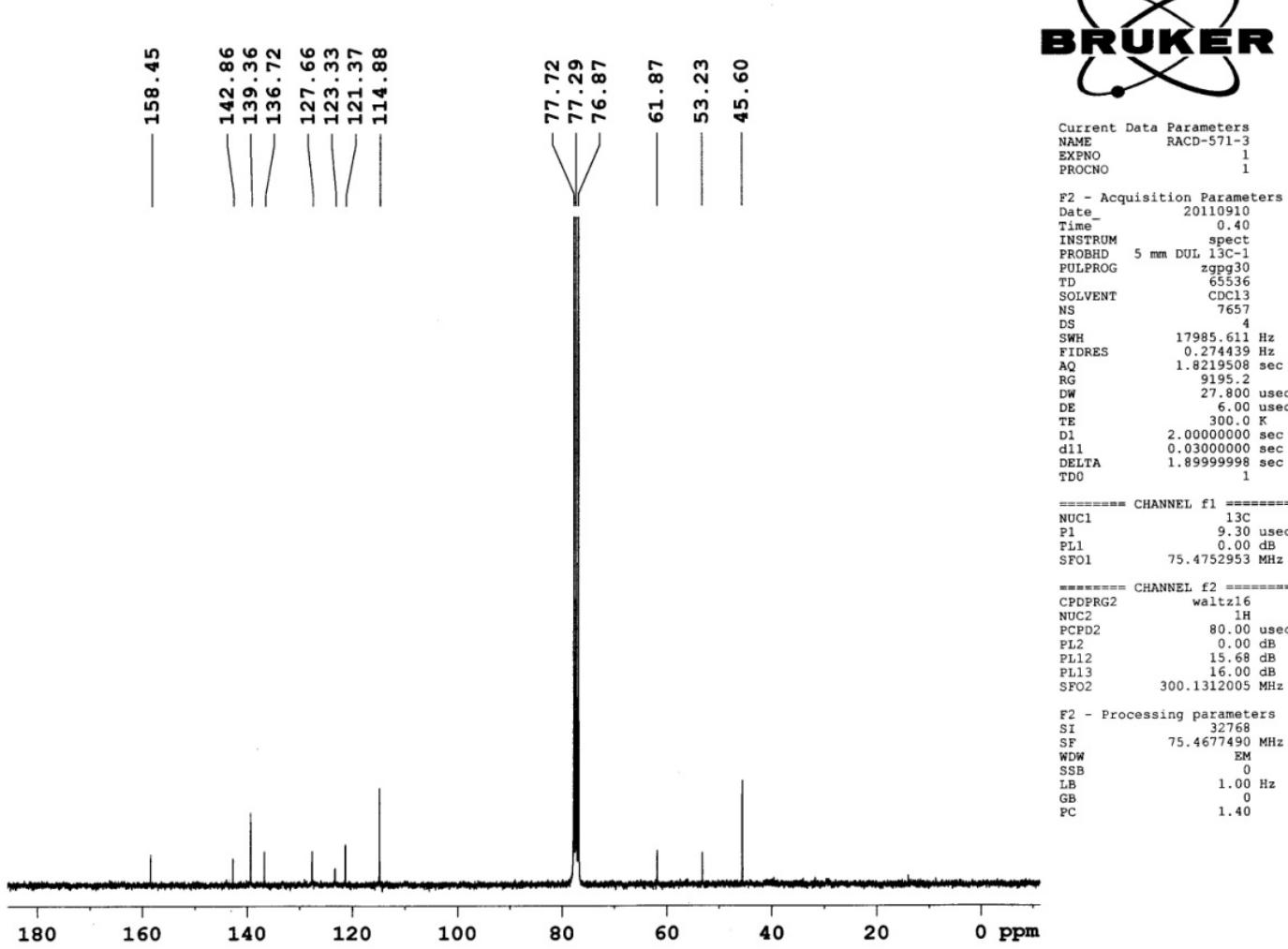
(CDCl₃) NMR spectra of the compound 7



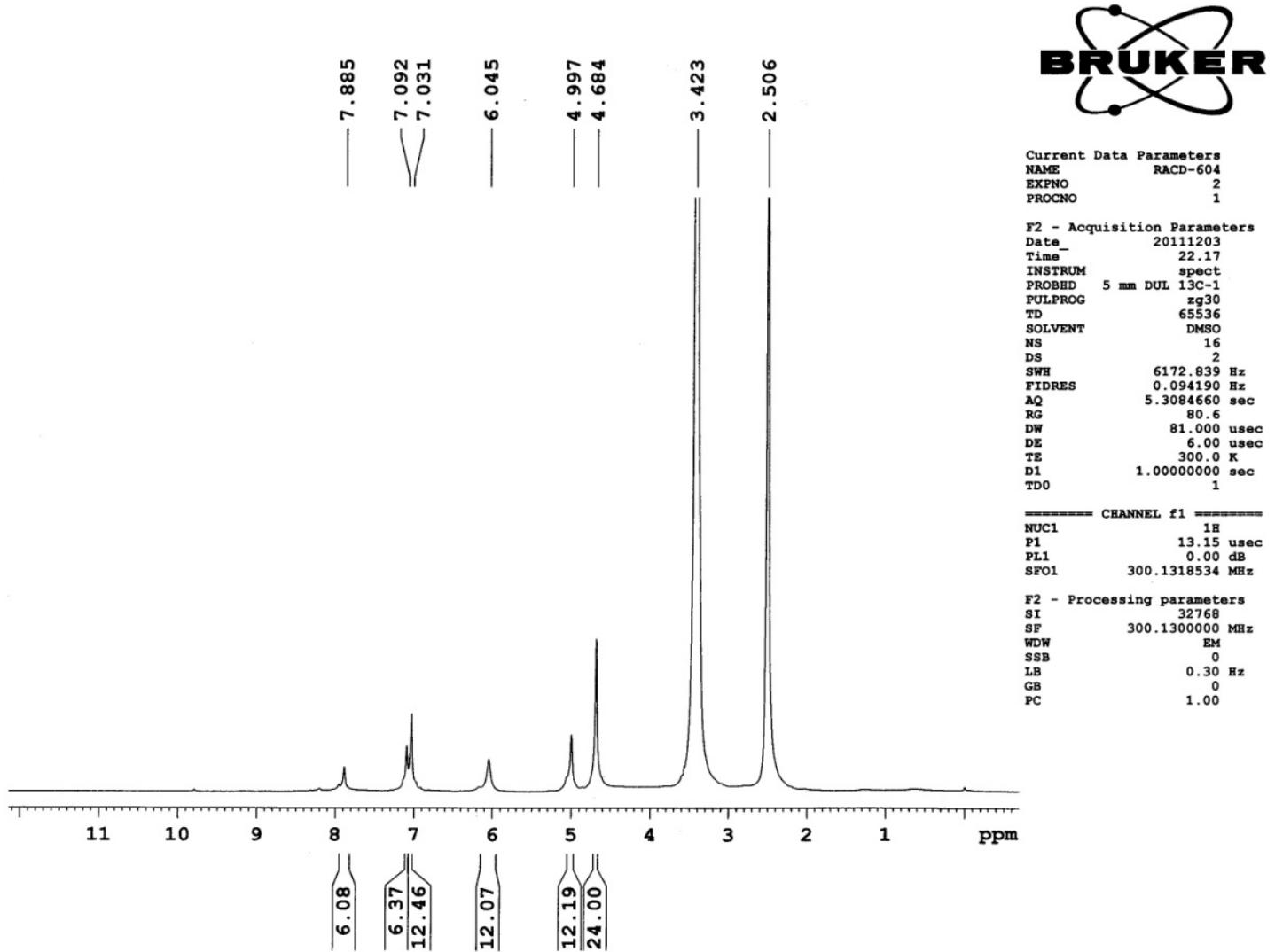
¹³C (CDCl₃) NMR spectra of the compound 7



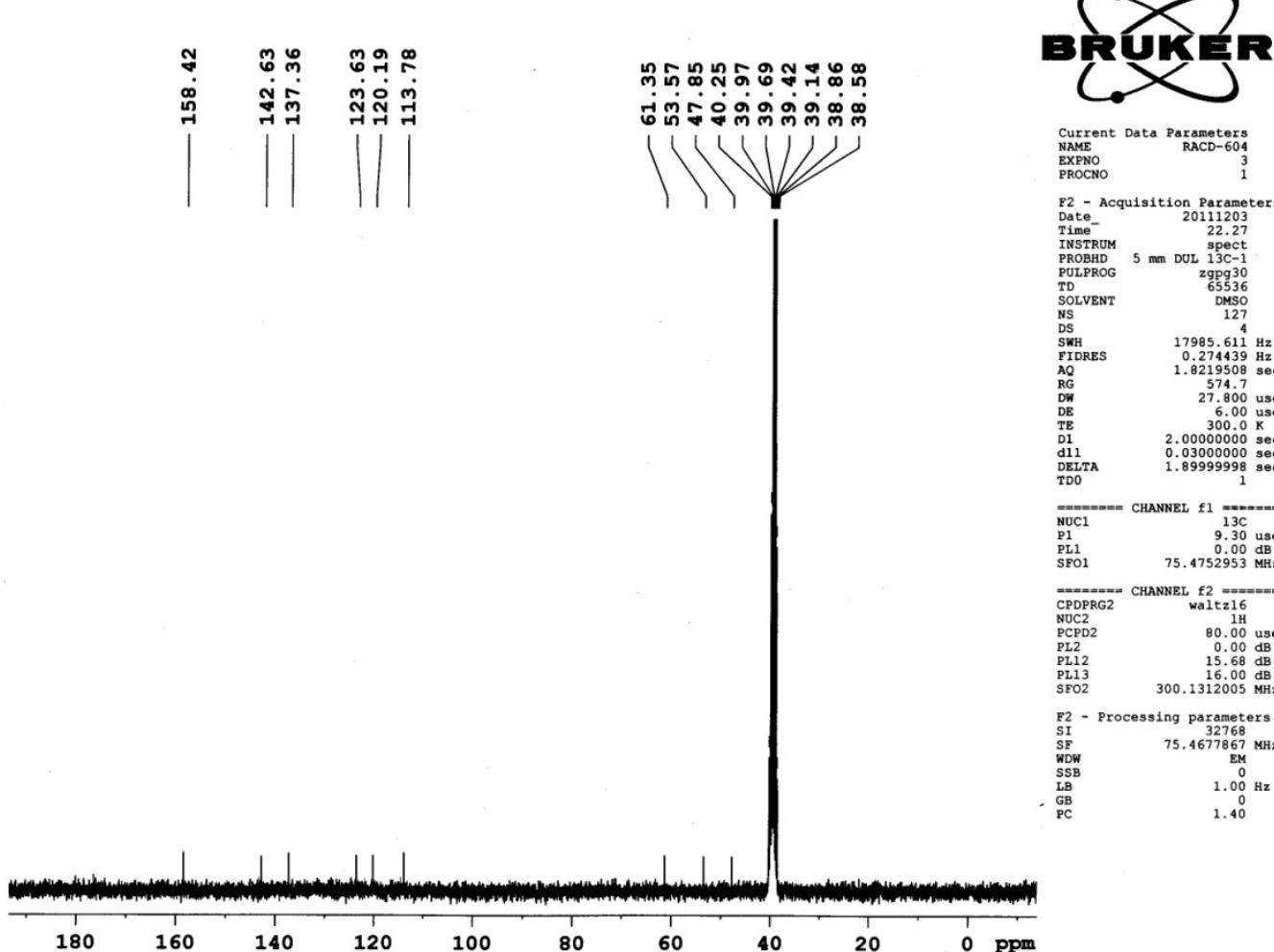
¹H (DMSO-d6) NMR spectra of the compound 10



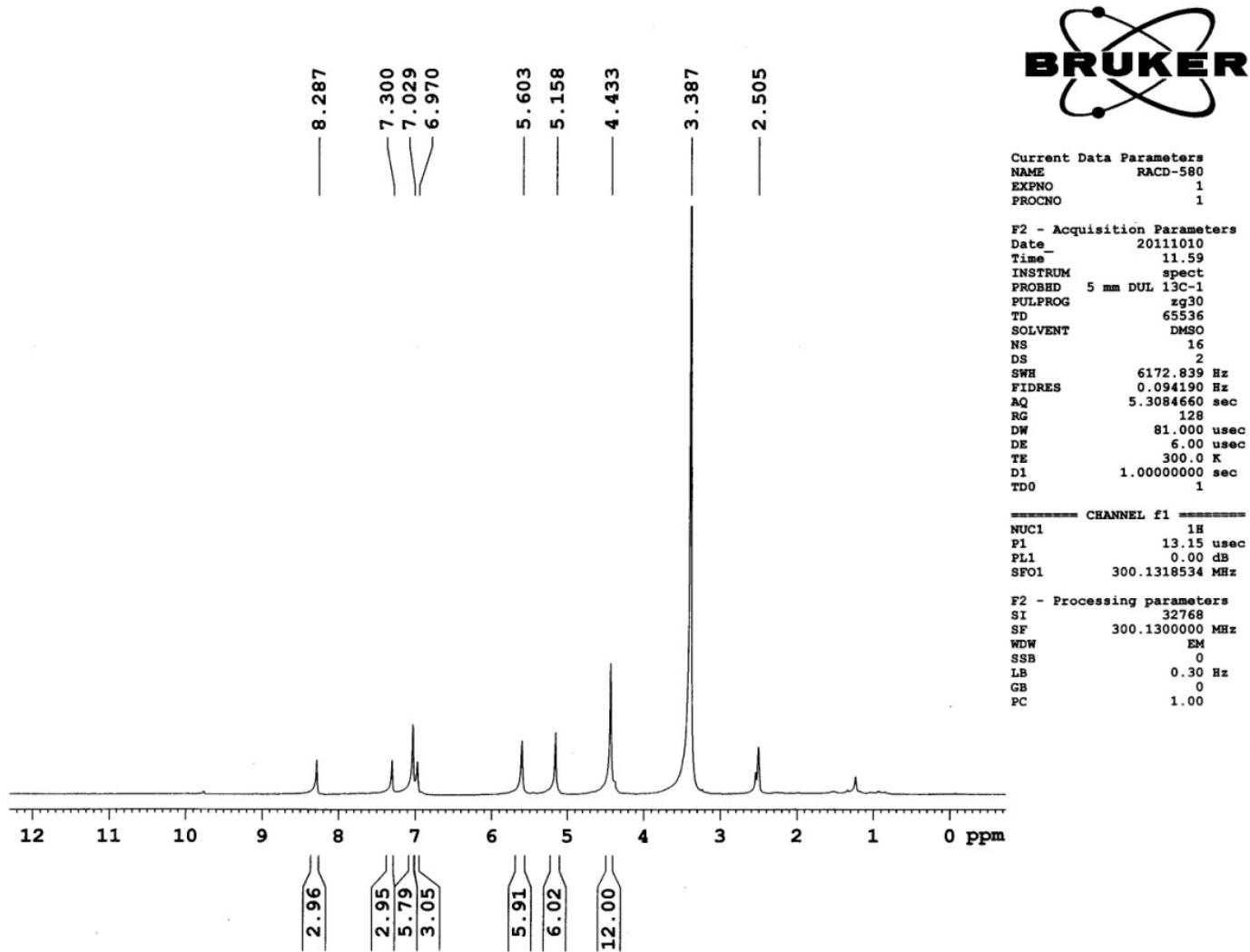
¹³C (DMSO-d₆) NMR spectra of the compound **10**



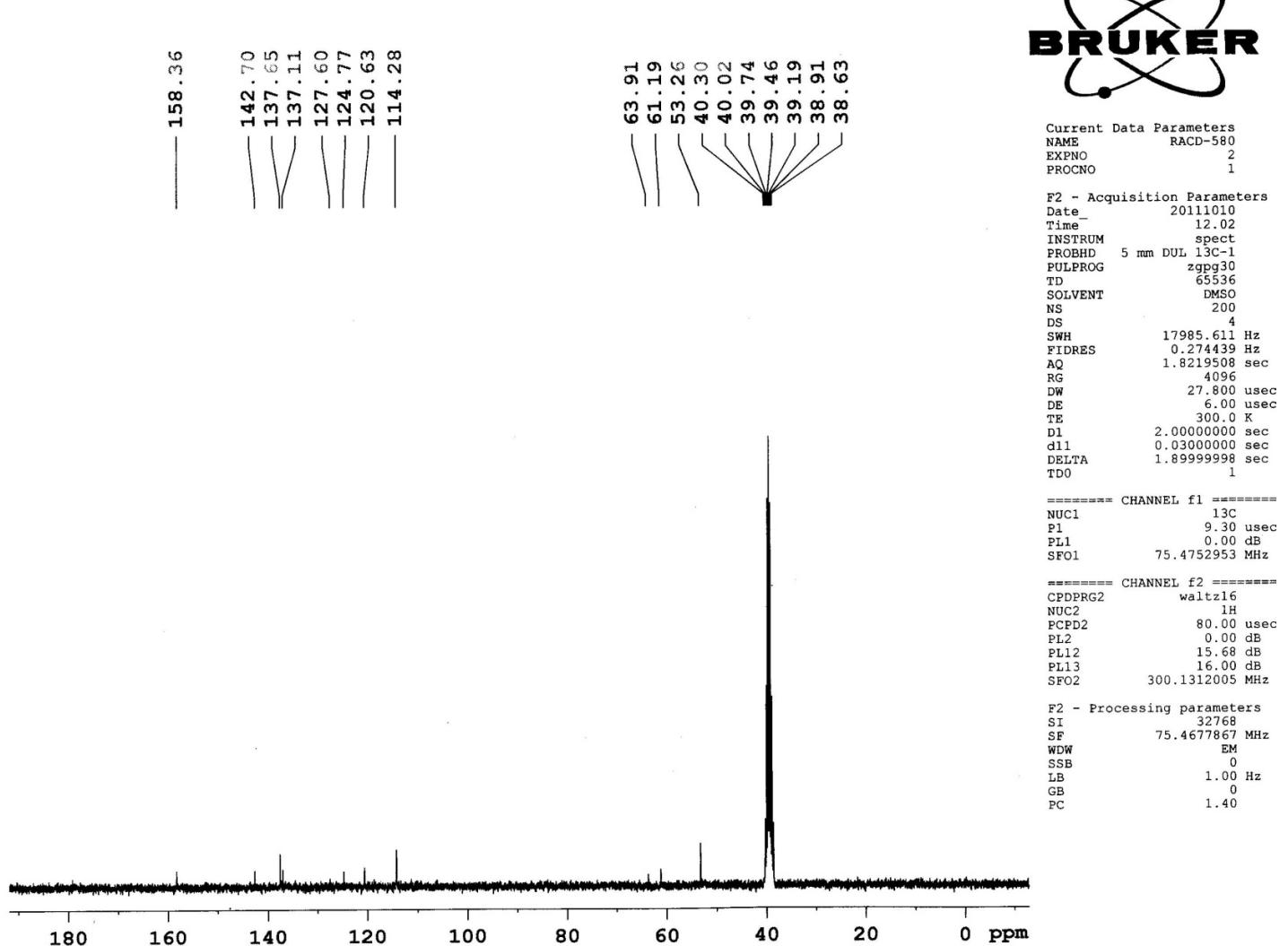
^1H (DMSO-d₆) NMR spectra of the compound 11



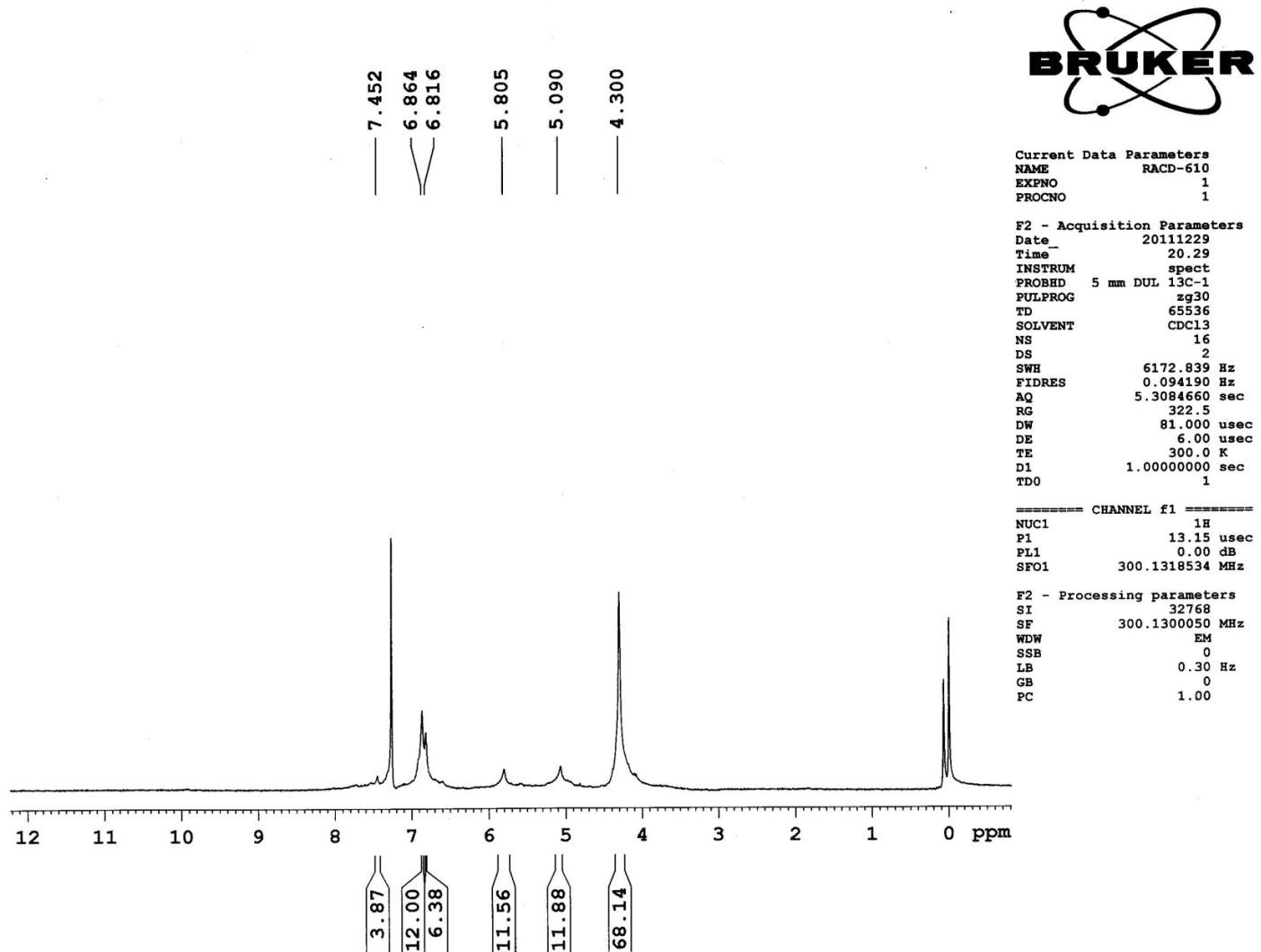
¹³C (DMSO-d₆) NMR spectra of the compound 11



^1H (DMSO-d₆) NMR spectra of the compound 12

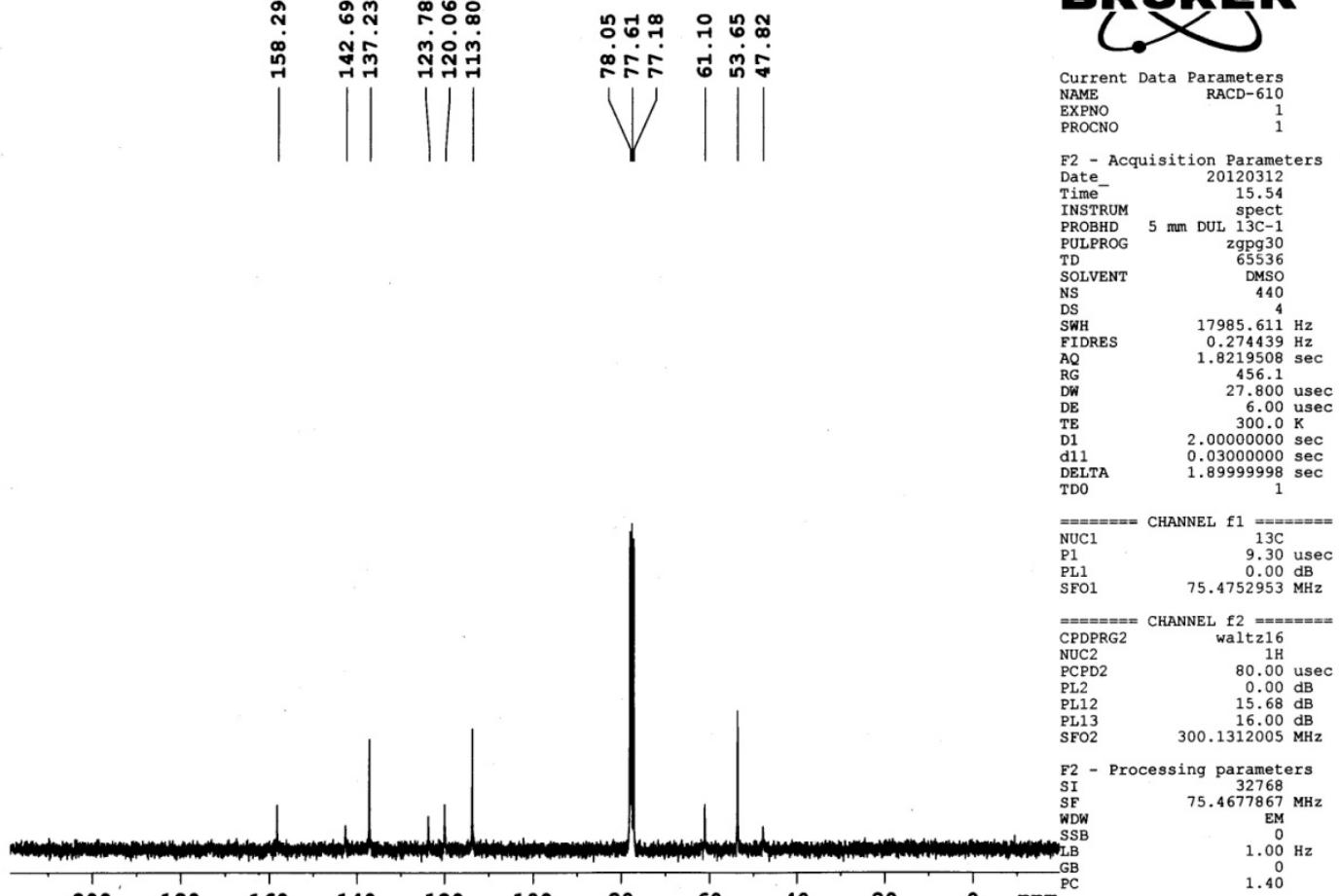


¹³C (DMSO-d₆) NMR spectra of the compound 12

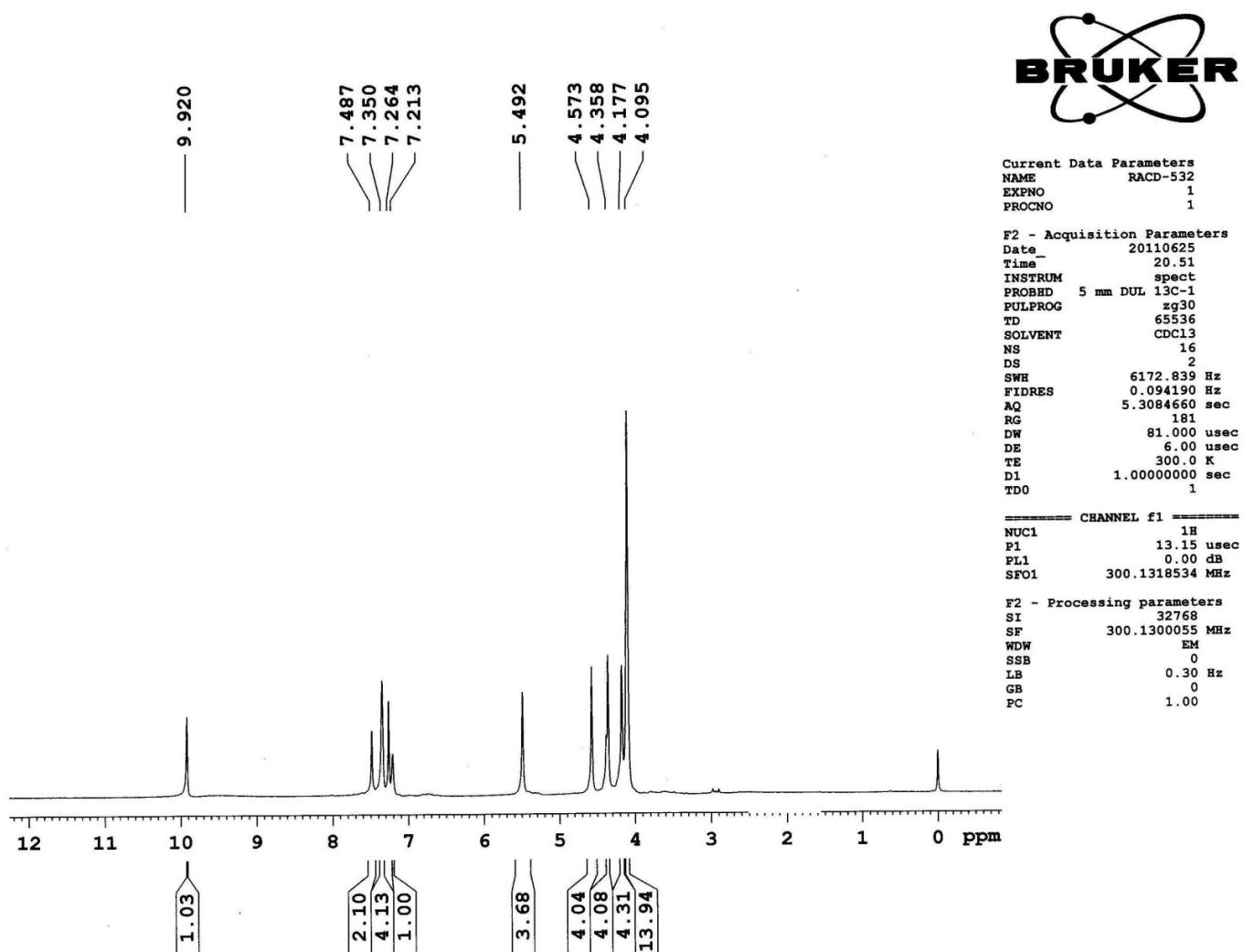


¹H (DMSO-d6) NMR spectra of the compound 13

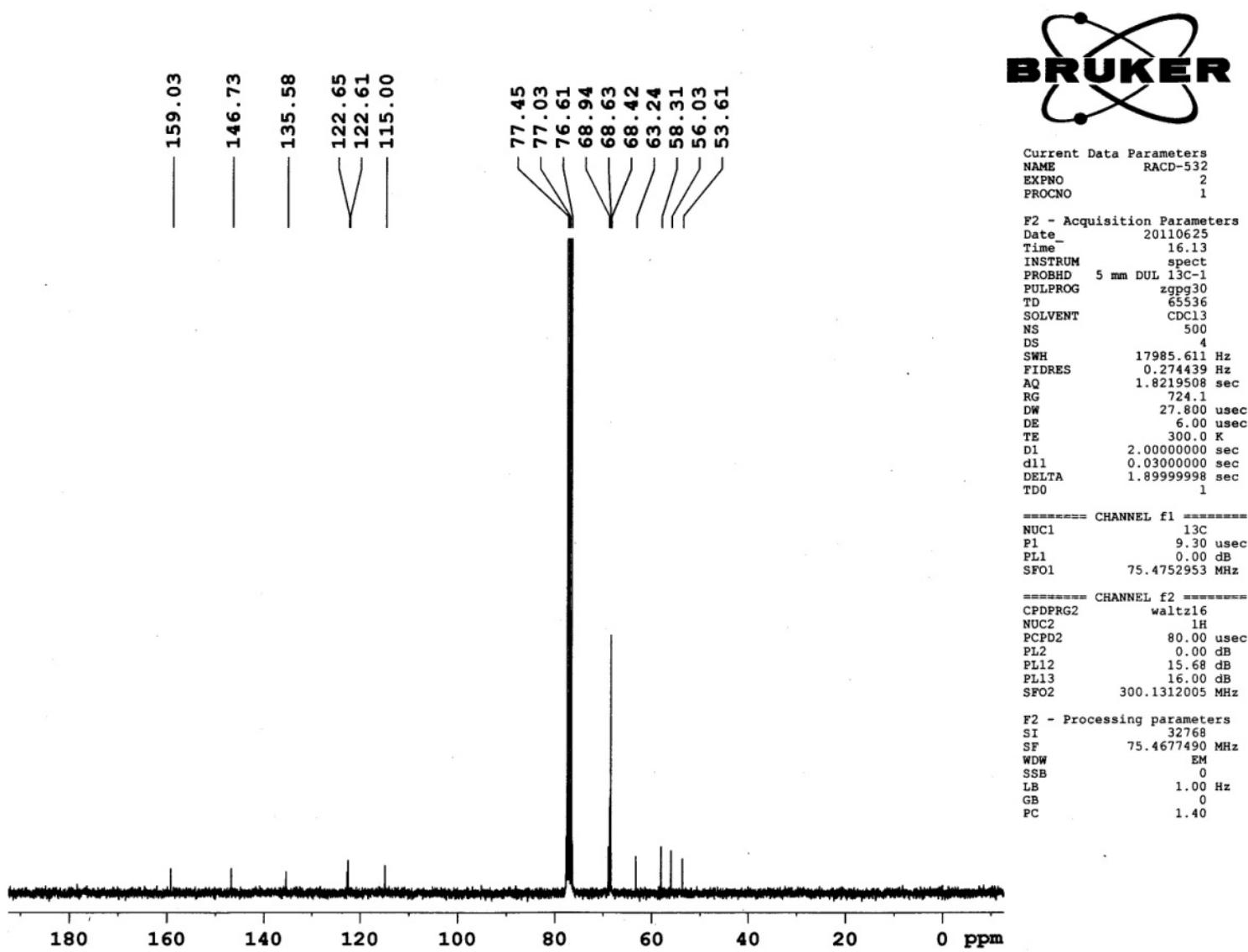
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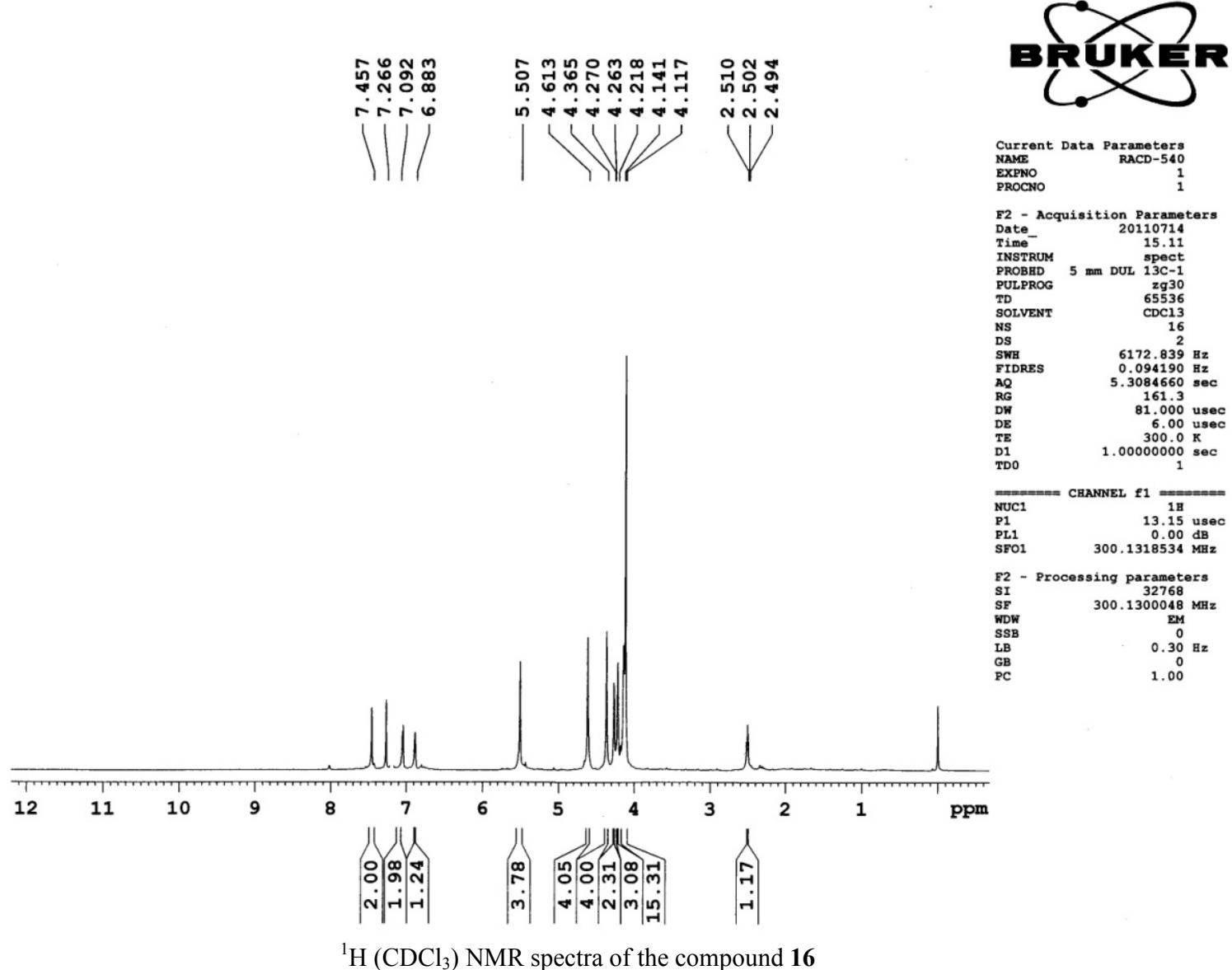
¹³C (DMSO-d₆) NMR spectra of the compound 13

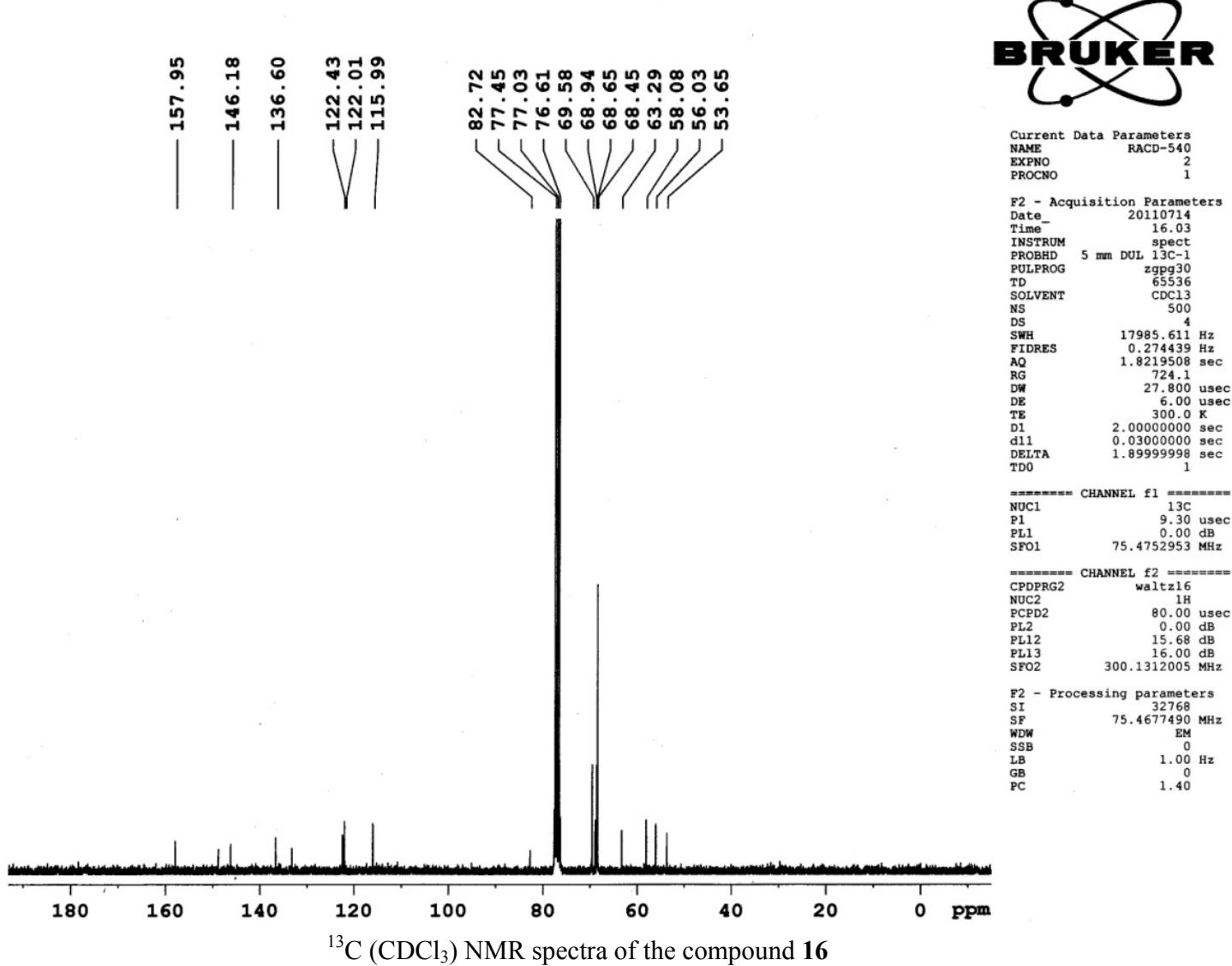


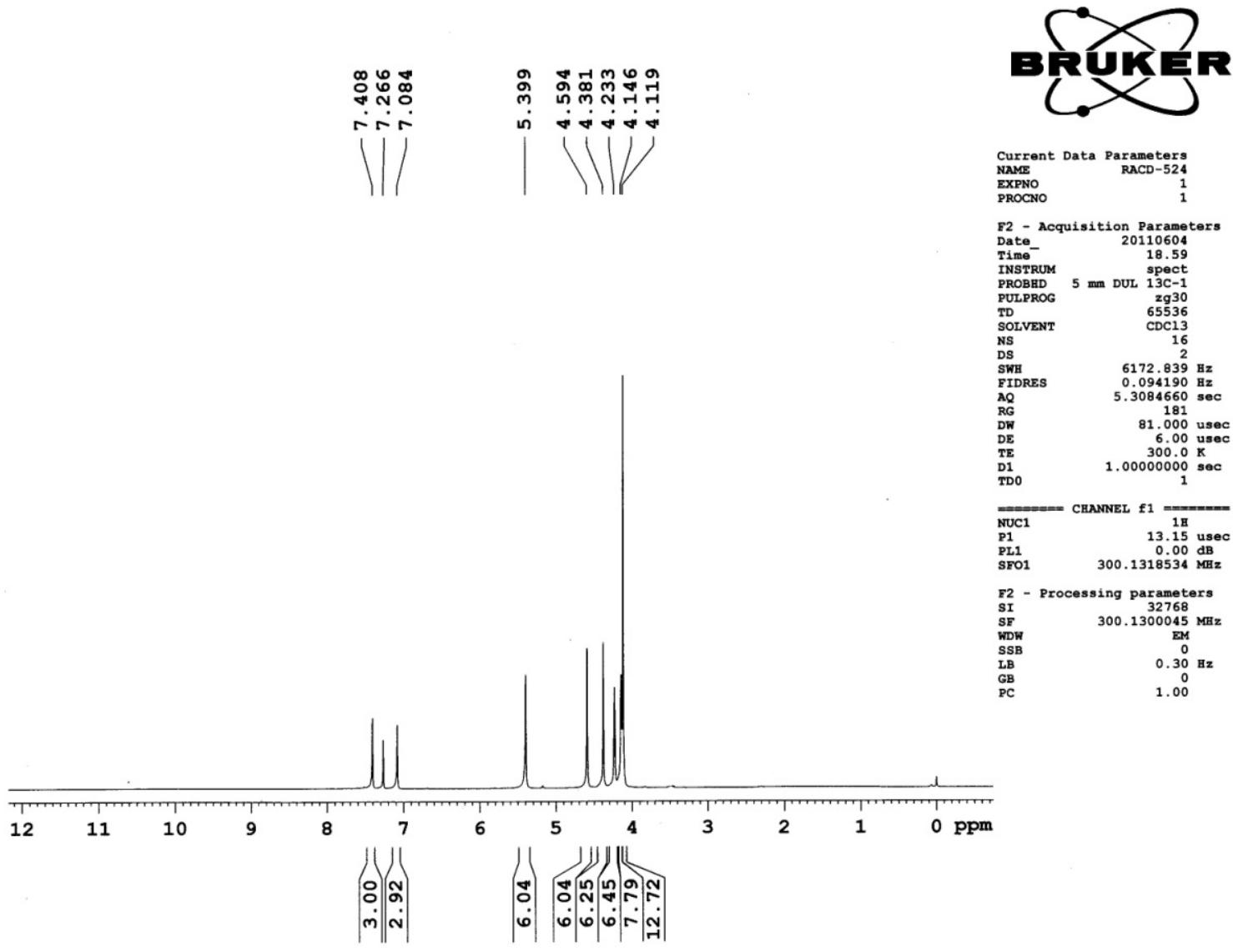
¹H (CDCl₃) NMR spectra of the compound 15



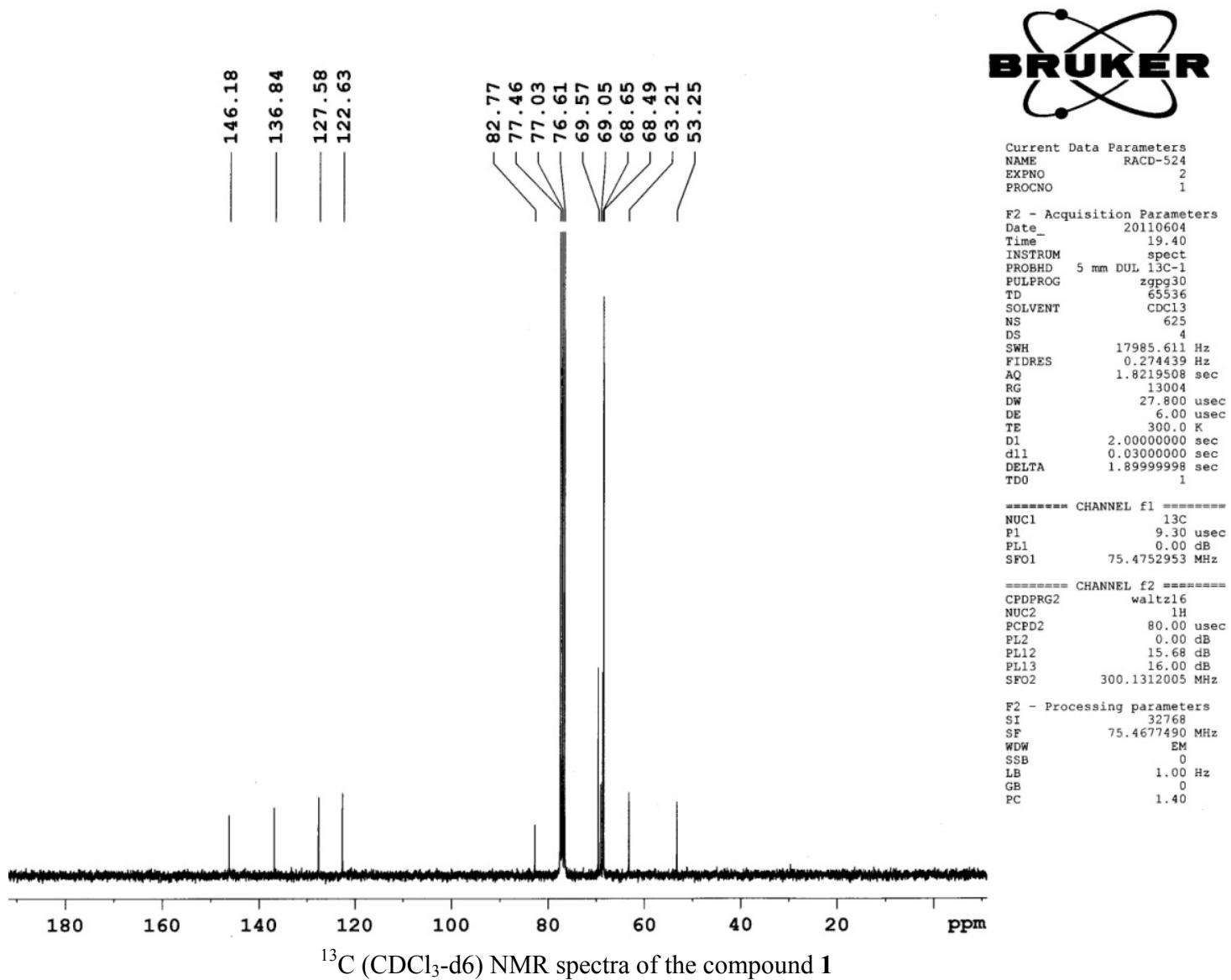
^{13}C (CDCl₃) NMR spectra of the compound 15



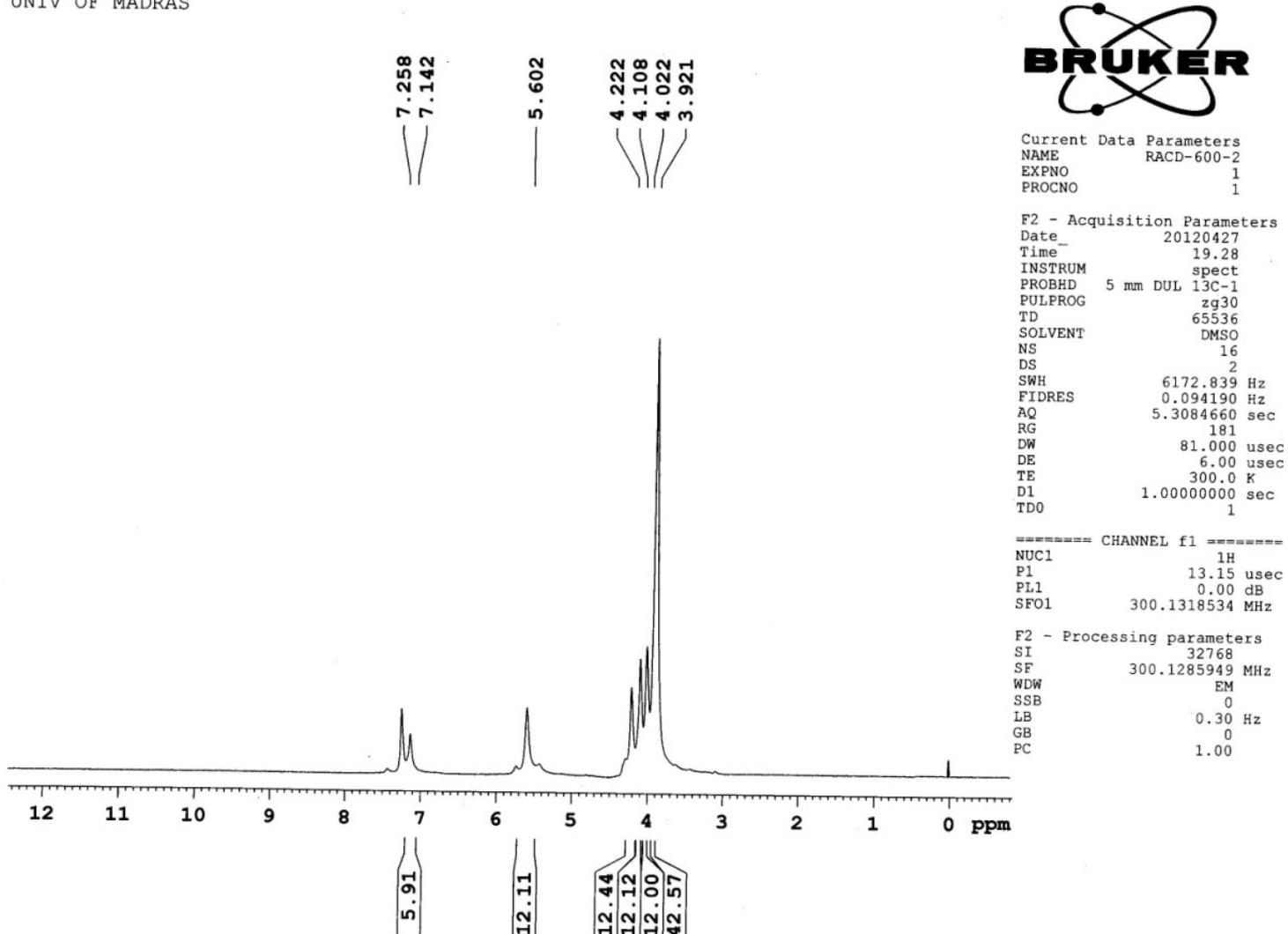




¹H (CDCl₃-d6) NMR spectra of the compound 1

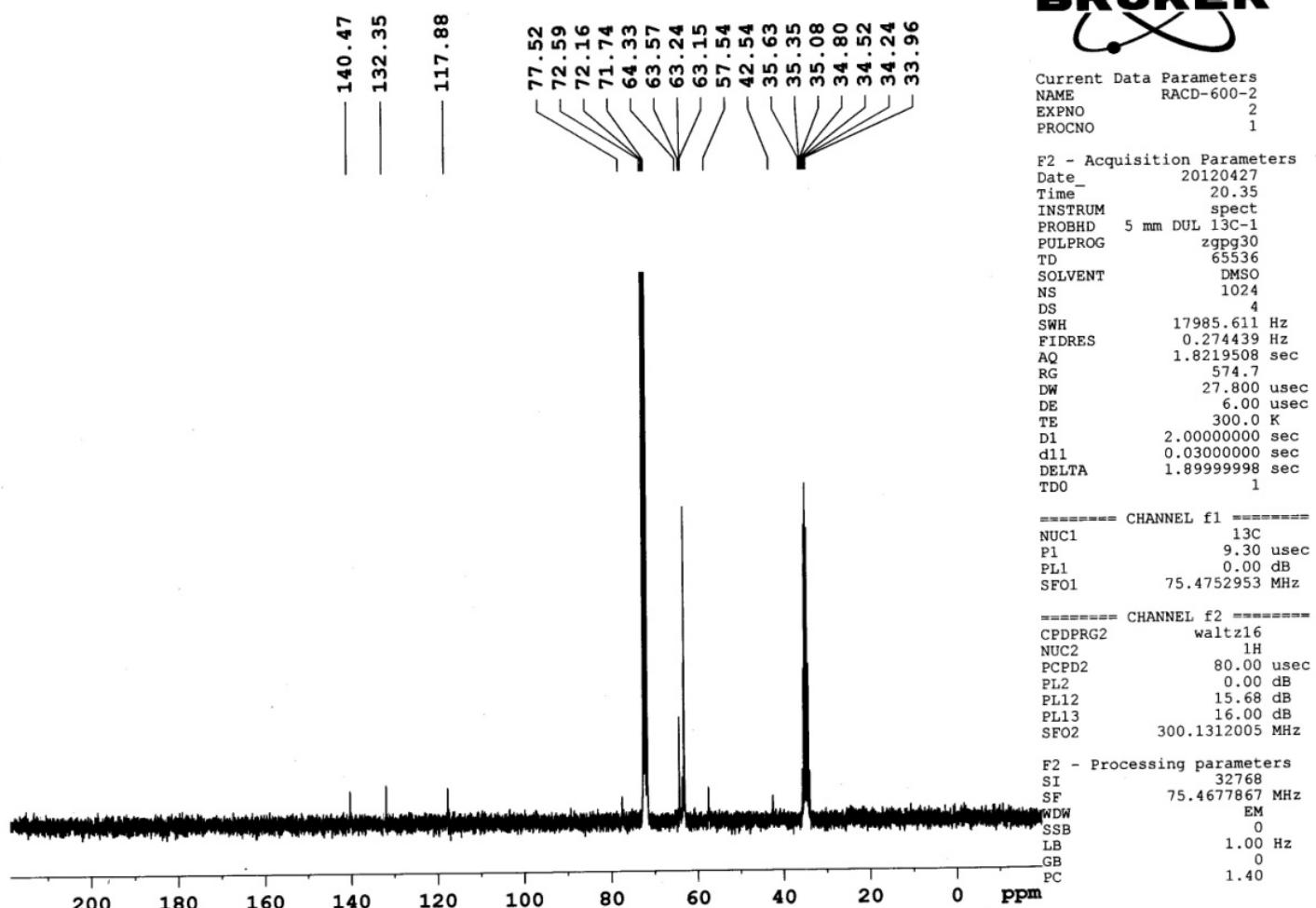


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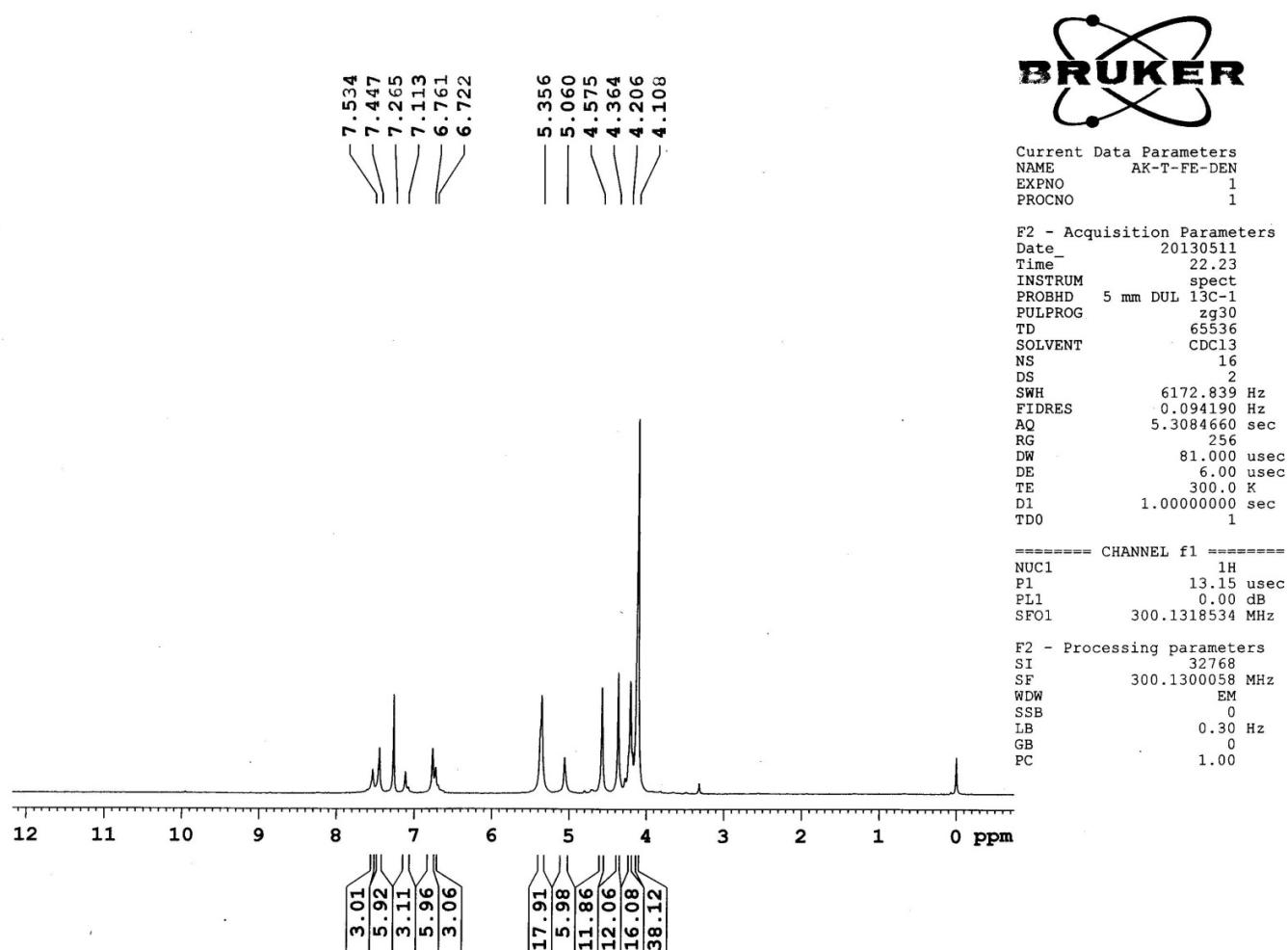


^1H ($\text{CDCl}_3\text{-d}6$) NMR spectra of the compound 2

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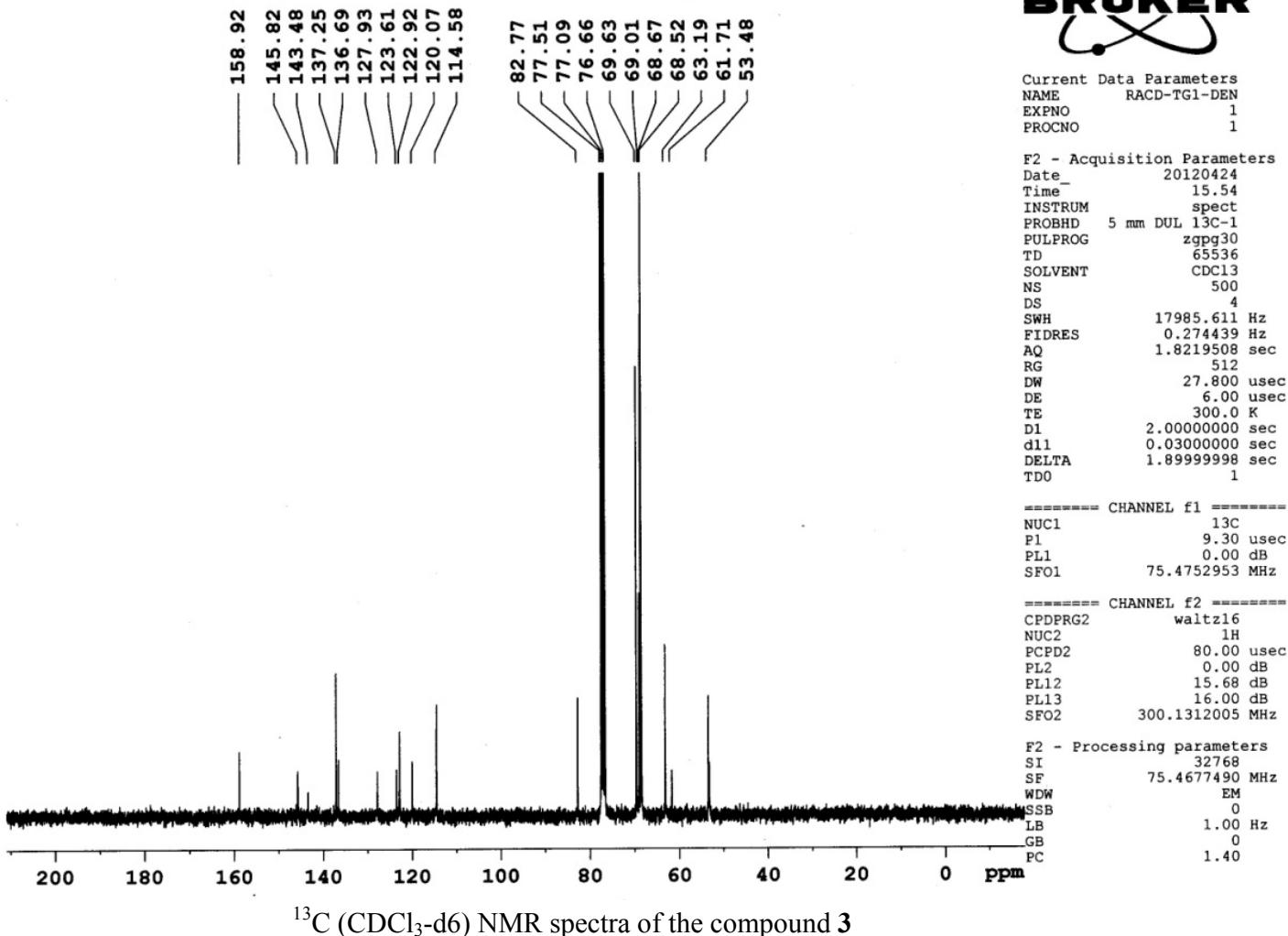


¹³C (CDCl₃-d6) NMR spectra of the compound 2

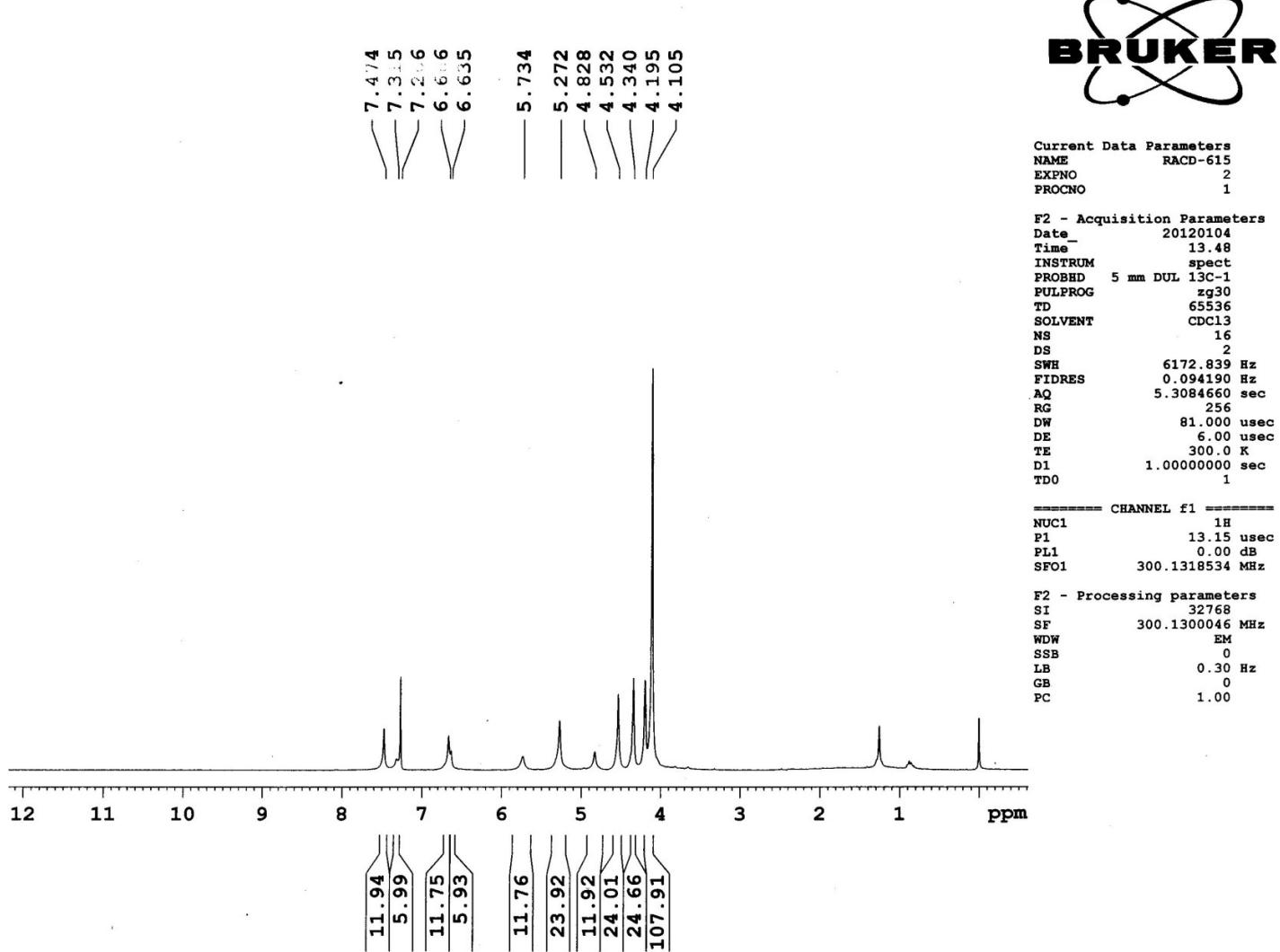


¹H (CDCl₃-d6) NMR spectra of the compound 3

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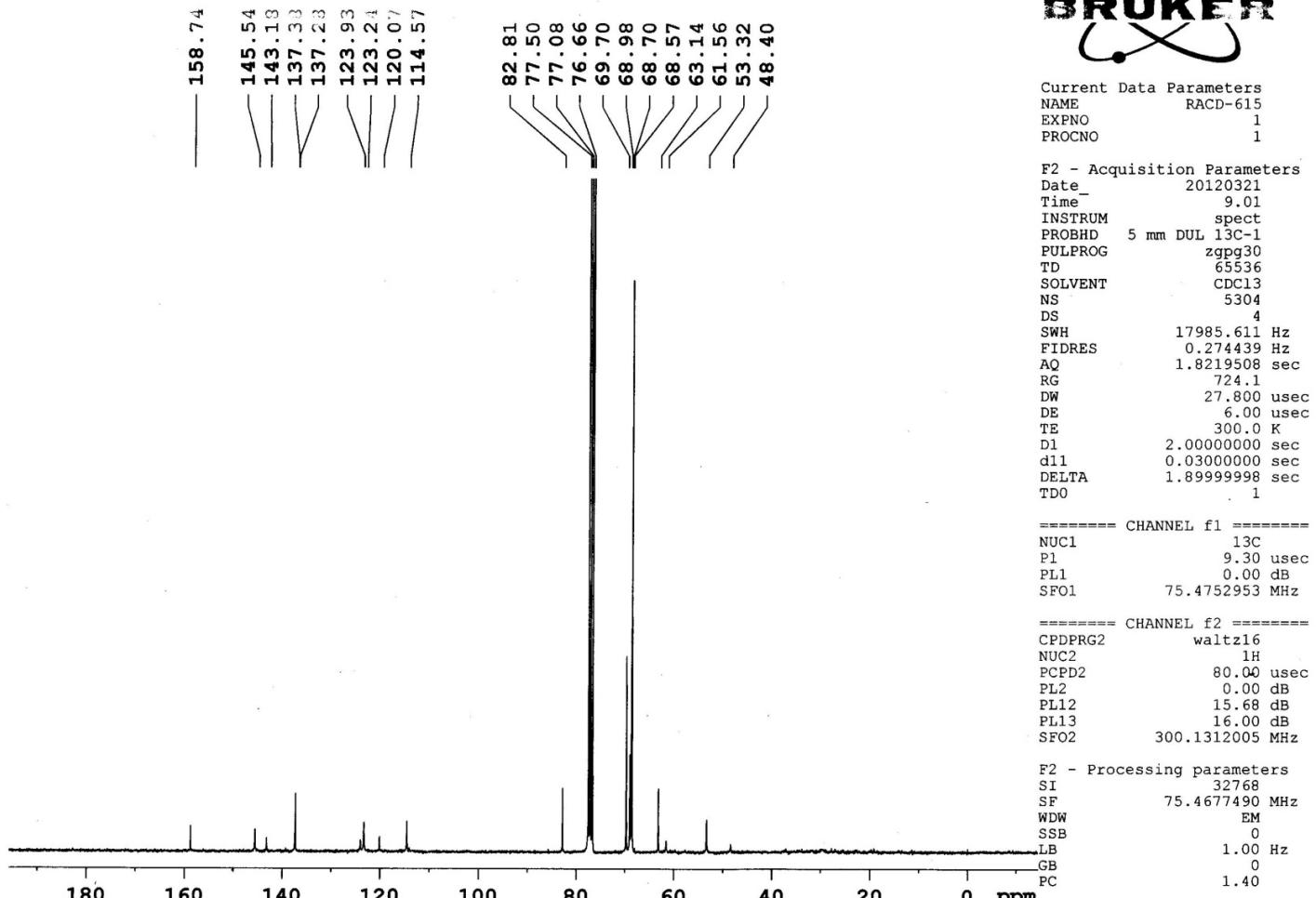


^{13}C (CDCl₃-d6) NMR spectra of the compound 3



¹H (CDCl₃-d₆) NMR spectra of the compound 4

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¹³C (CDCl₃-d6) NMR spectra of the compound 4