

Supporting Information

Synthesis of ganglioside Hp-s1

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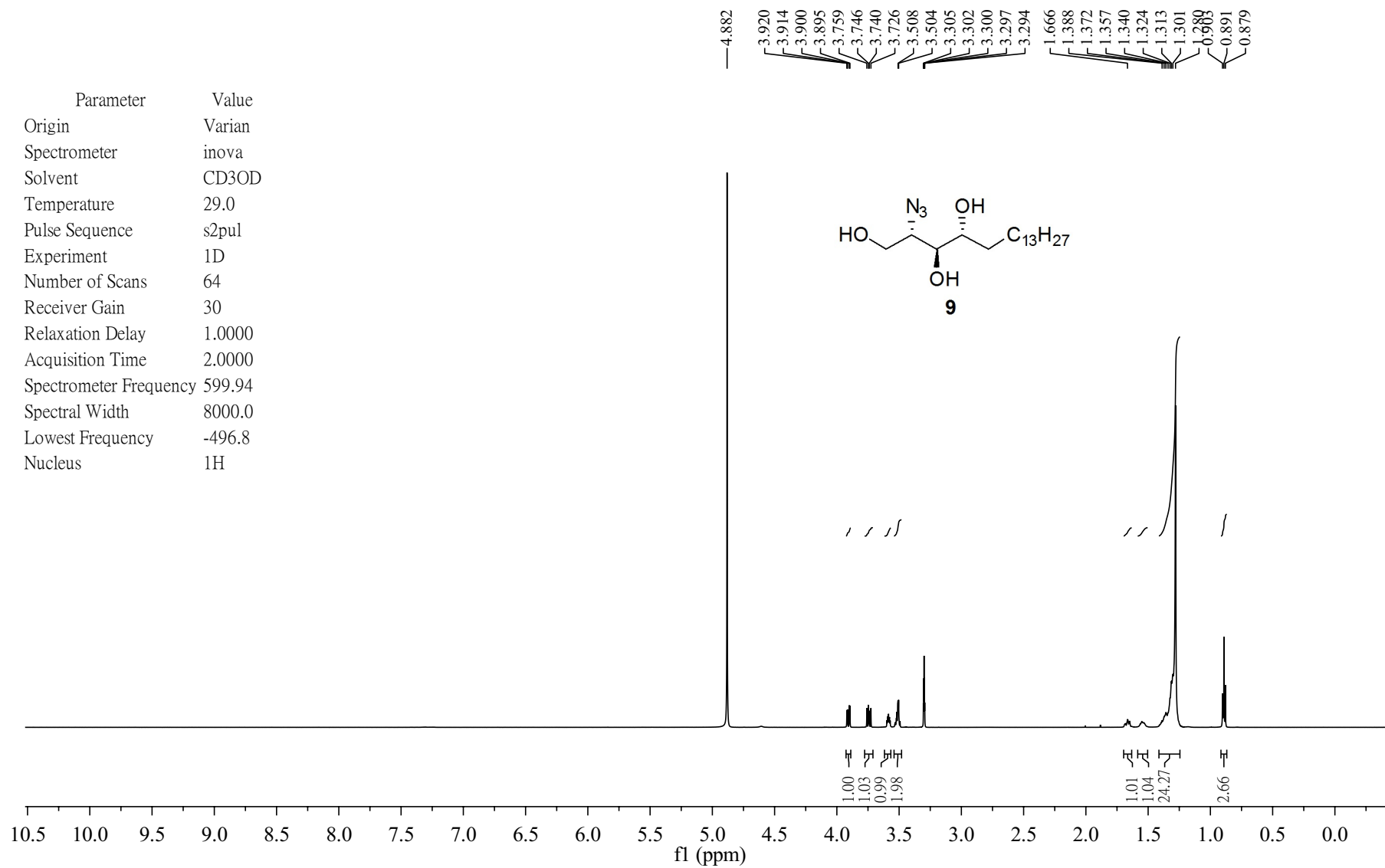
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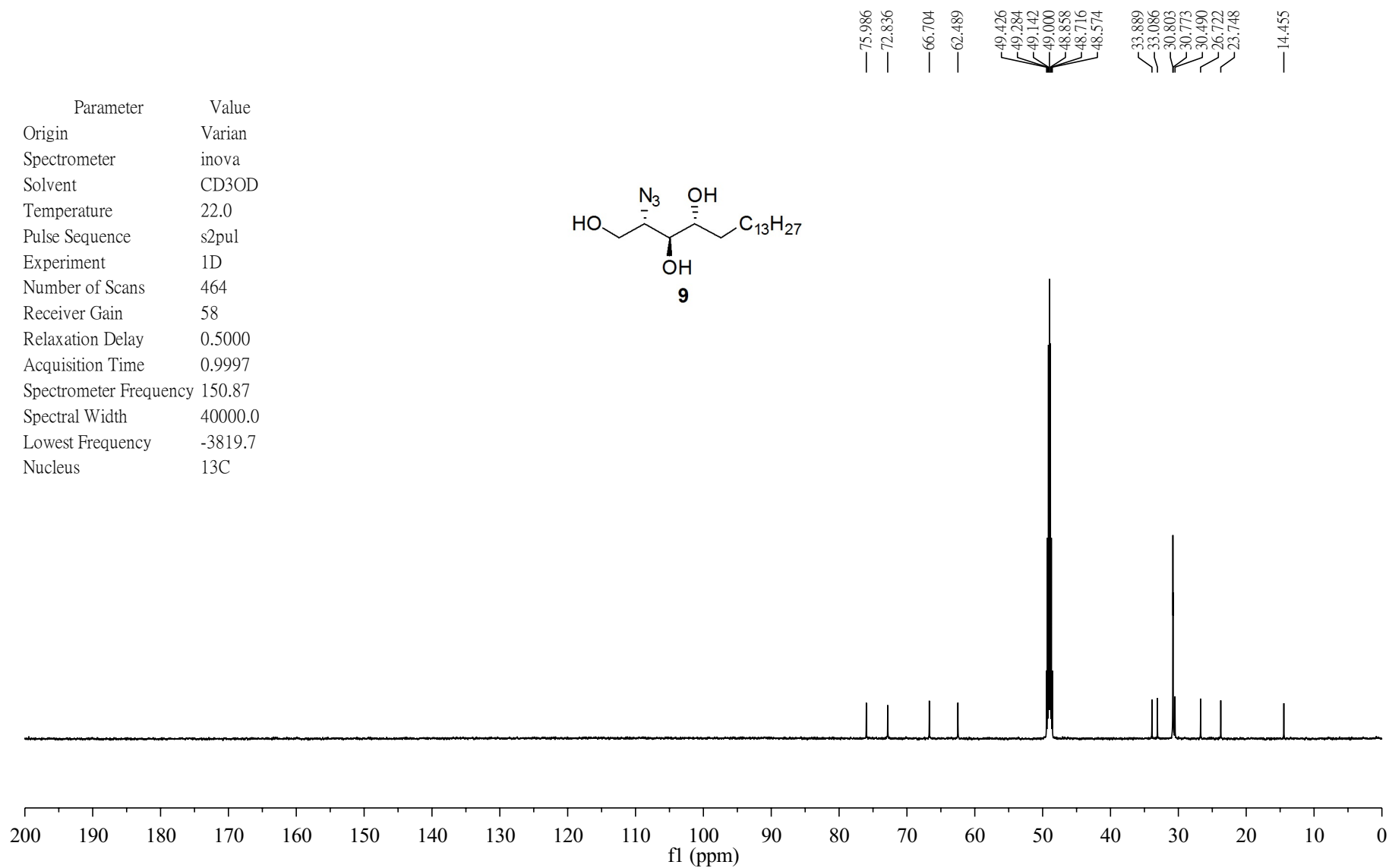
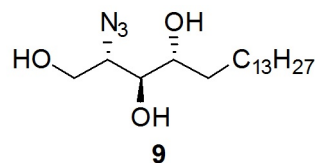
Contents	Page
List of Content.....	S 1
¹ H NMR spectrum of compound 9	S 4
¹³ C NMR spectrum of compound 9	S 5
DEPT NMR spectrum of compound 9	S 6
¹ H NMR spectrum of compound 10	S 7
¹³ C NMR spectrum of compound 10	S 8
DEPT NMR spectrum of compound 10	S 9
¹ H NMR spectrum of compound 11	S10
¹³ C NMR spectrum of compound 11	S11
DEPT NMR spectrum of compound 11	S12
¹ H NMR spectrum of compound 13	S13
¹³ C NMR spectrum of compound 13	S14
DEPT NMR spectrum of compound 13	S15
¹ H NMR spectrum of compound 14	S16
¹³ C NMR spectrum of compound 14	S17

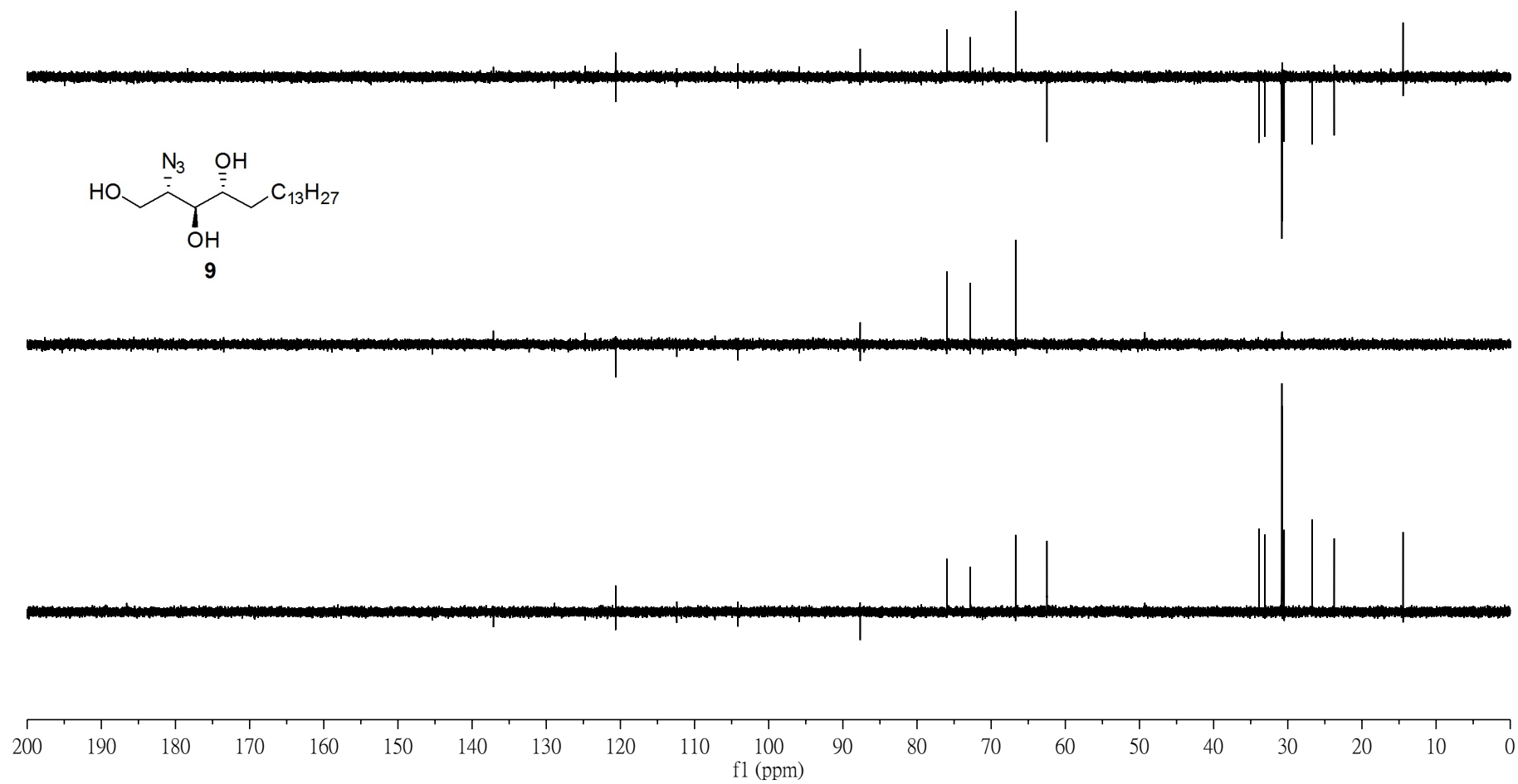
DEPT NMR spectrum of compound 14	S18
¹ H NMR spectrum of compound 15	S19
¹³ C NMR spectrum of compound 15	S20
DEPT NMR spectrum of compound 15	S21
¹ H NMR spectrum of compound 6	S22
¹³ C NMR spectrum of compound 6	S23
DEPT NMR spectrum of compound 6	S24
¹ H NMR spectrum of compound 16a	S25
¹³ C NMR spectrum of compound 16a	S26
DEPT NMR spectrum of compound 16a	S27
¹ H NMR spectrum of compound 16b	S28
¹³ C NMR spectrum of compound 16b	S29
DEPT NMR spectrum of compound 16b	S30
¹ H NMR spectrum of compound 17	S31
¹³ C NMR spectrum of compound 17	S32
DEPT NMR spectrum of compound 17	S33
¹ H NMR spectrum of compound 18a	S34
¹³ C NMR spectrum of compound 18a	S35
DEPT NMR spectrum of compound 18a	S36
¹ H NMR spectrum of compound 18b	S37
¹³ C NMR spectrum of compound 18b	S38
DEPT NMR spectrum of compound 18b	S39
¹ H NMR spectrum of compound 19	S40
¹³ C NMR spectrum of compound 19	S41

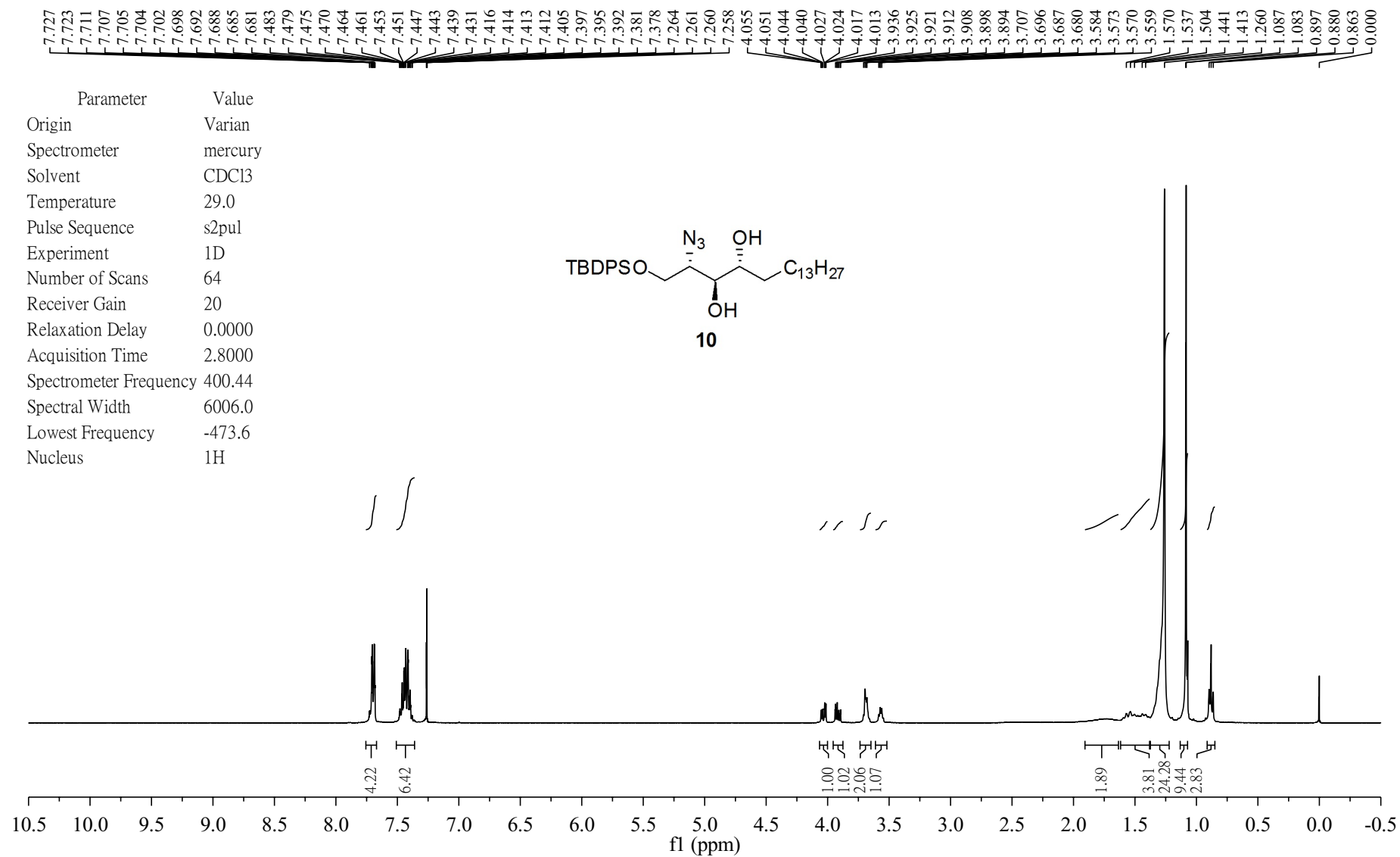
DEPT NMR spectrum of compound 19	S42
¹ H NMR spectrum of compound 1	S43
¹³ C NMR spectrum of compound 1	S44
DEPT NMR spectrum of compound 1	S45



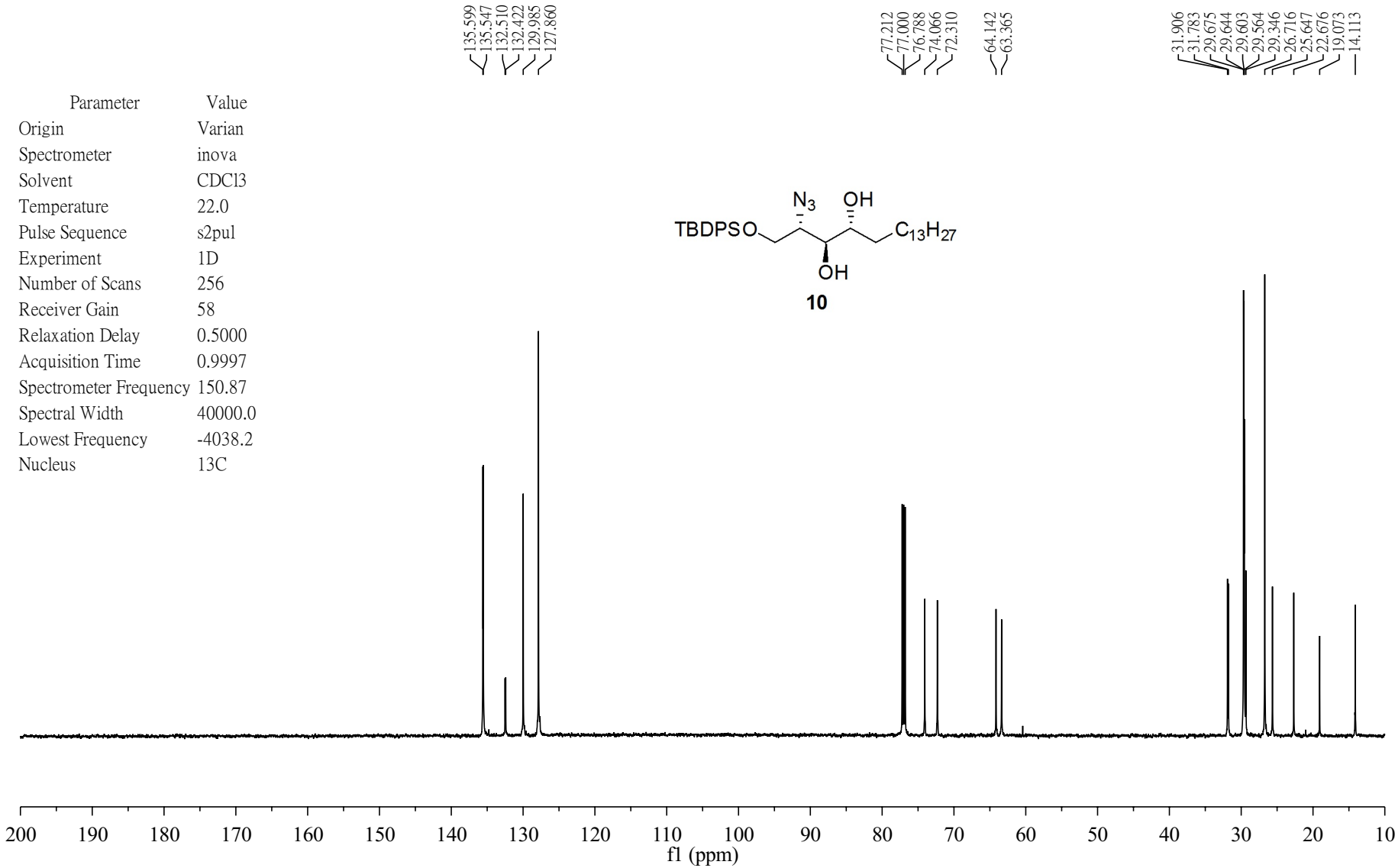
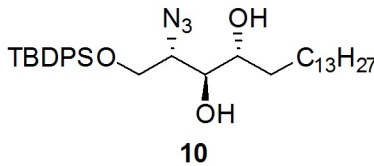
Parameter	Value
Origin	Varian
Spectrometer	inova
Solvent	CD3OD
Temperature	22.0
Pulse Sequence	s2pul
Experiment	1D
Number of Scans	464
Receiver Gain	58
Relaxation Delay	0.5000
Acquisition Time	0.9997
Spectrometer Frequency	150.87
Spectral Width	40000.0
Lowest Frequency	-3819.7
Nucleus	¹³ C

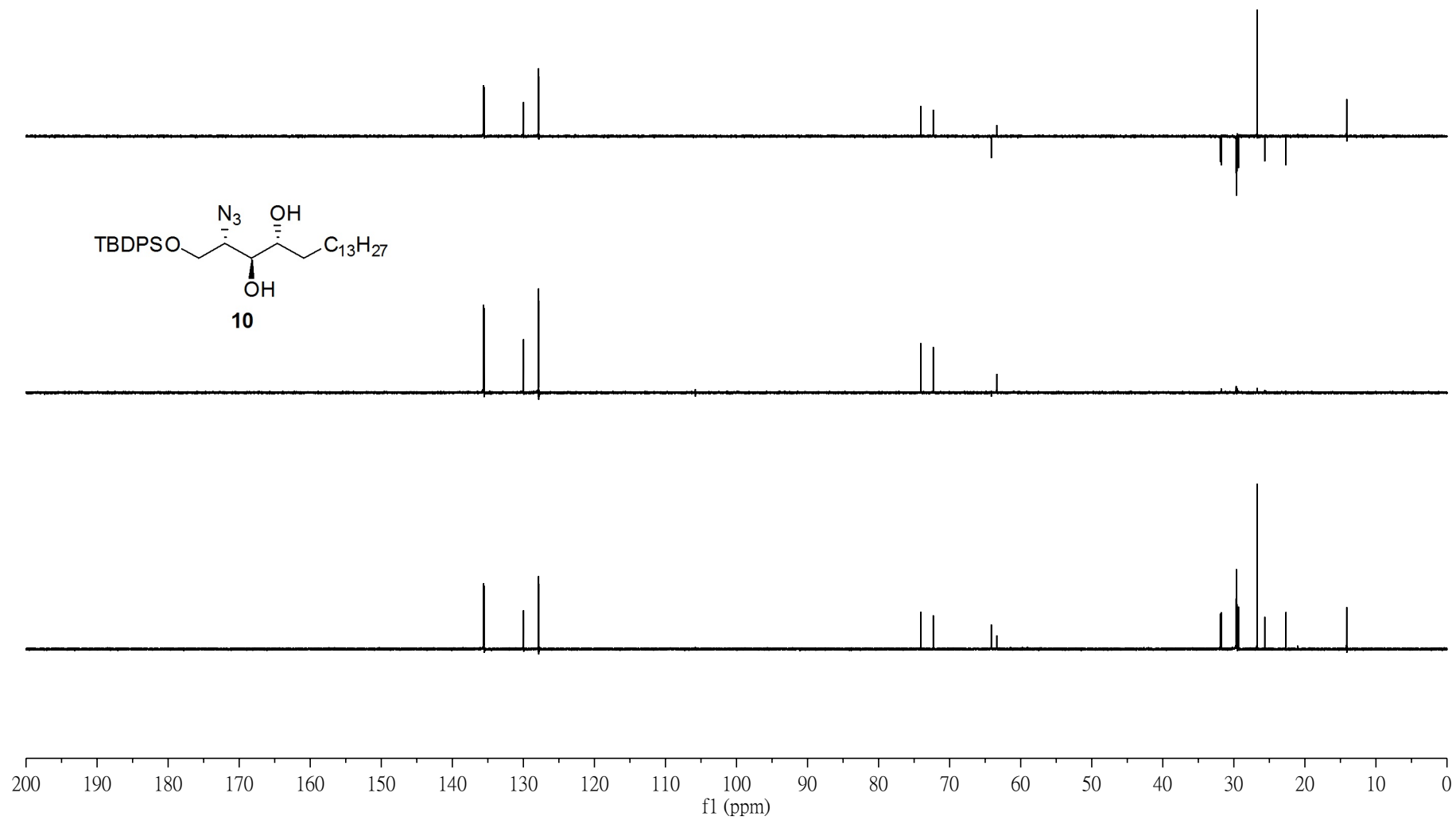


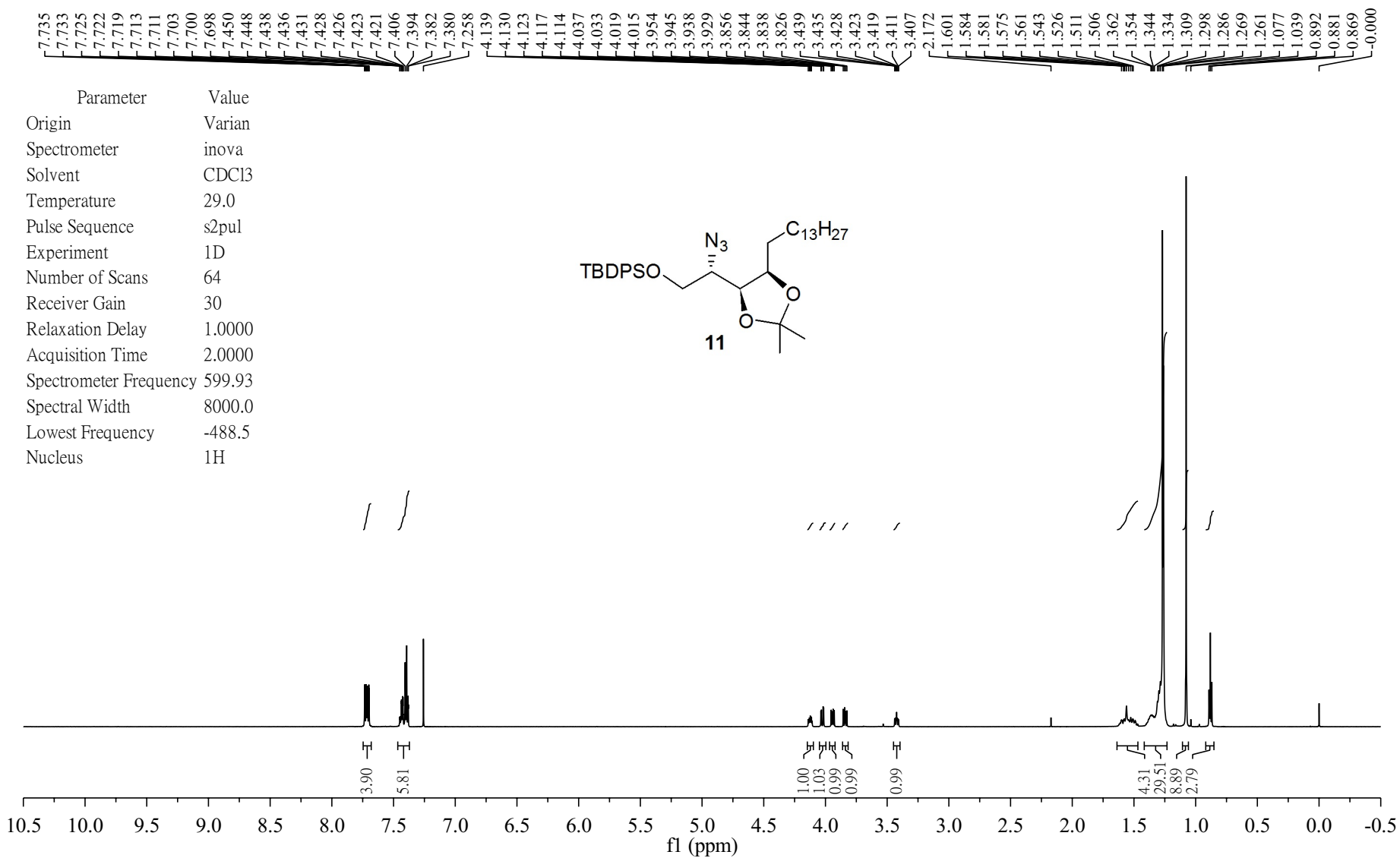


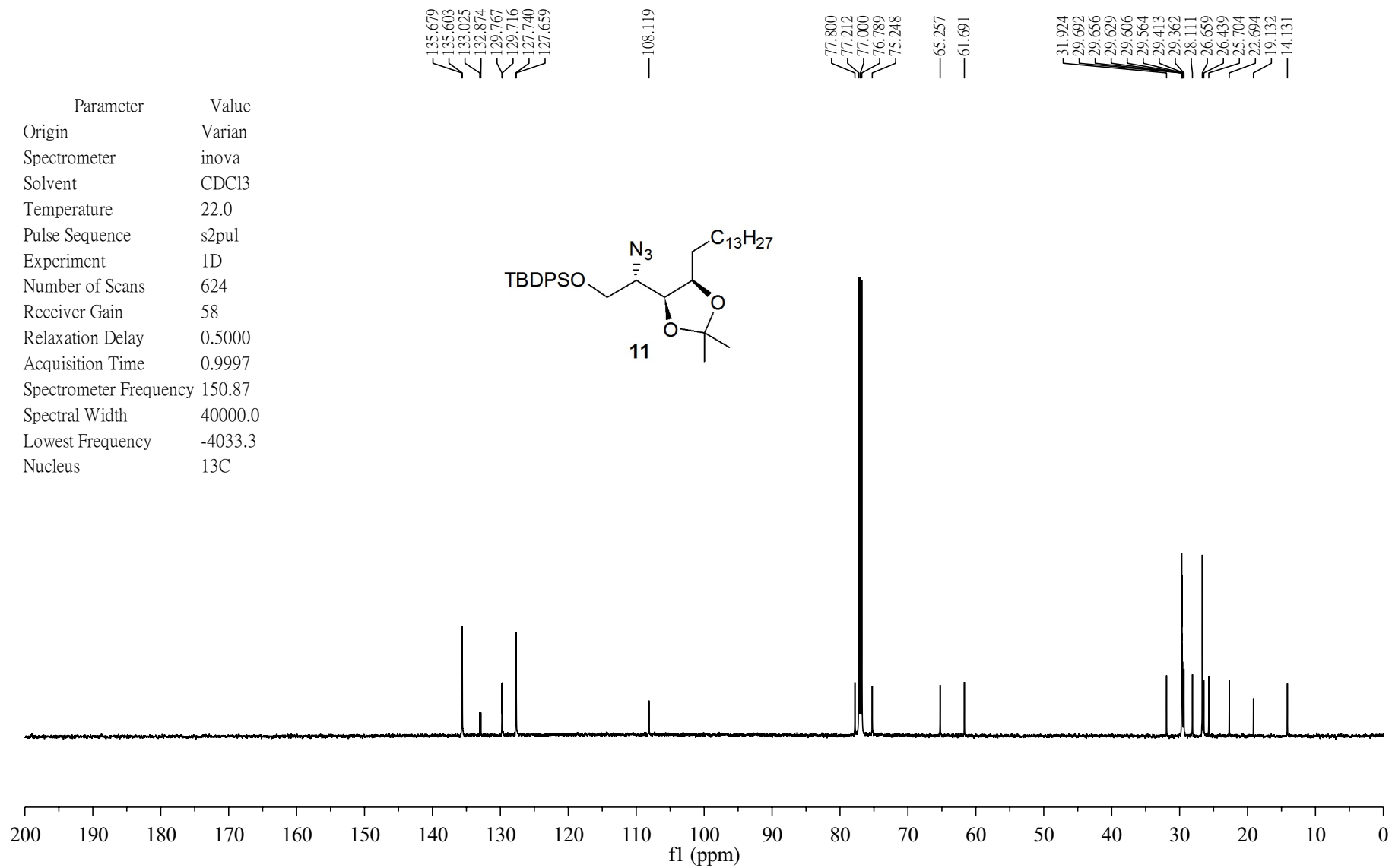


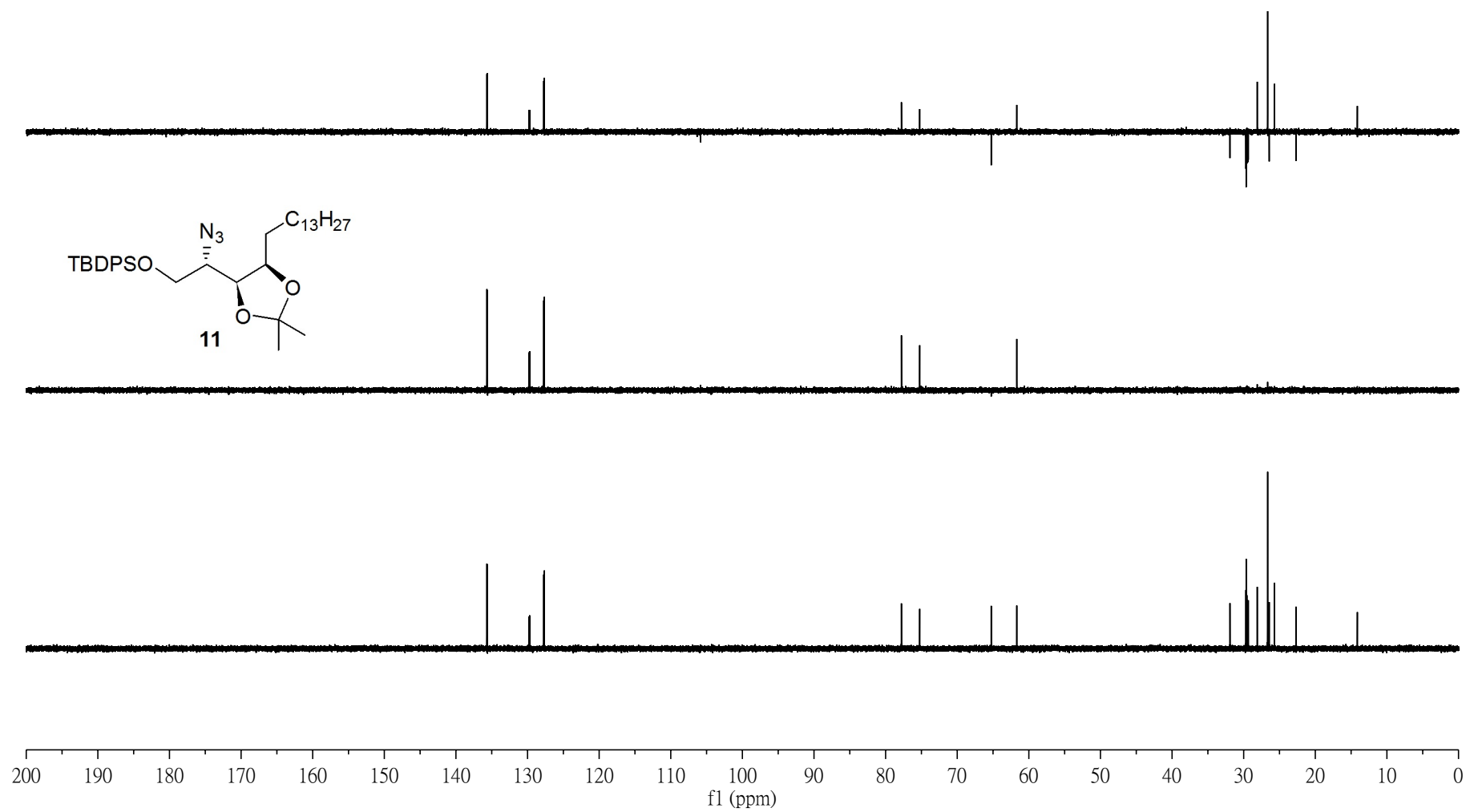
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Origin	Varian
Spectrometer	inova
Solvent	CDC13
Temperature	22.0
Pulse Sequence	s2pul
Experiment	1D
Number of Scans	256
Receiver Gain	58
Relaxation Delay	0.5000
Acquisition Time	0.9997
Spectrometer Frequency	150.87
Spectral Width	40000.0
Lowest Frequency	-4038.2
Nucleus	¹³ C

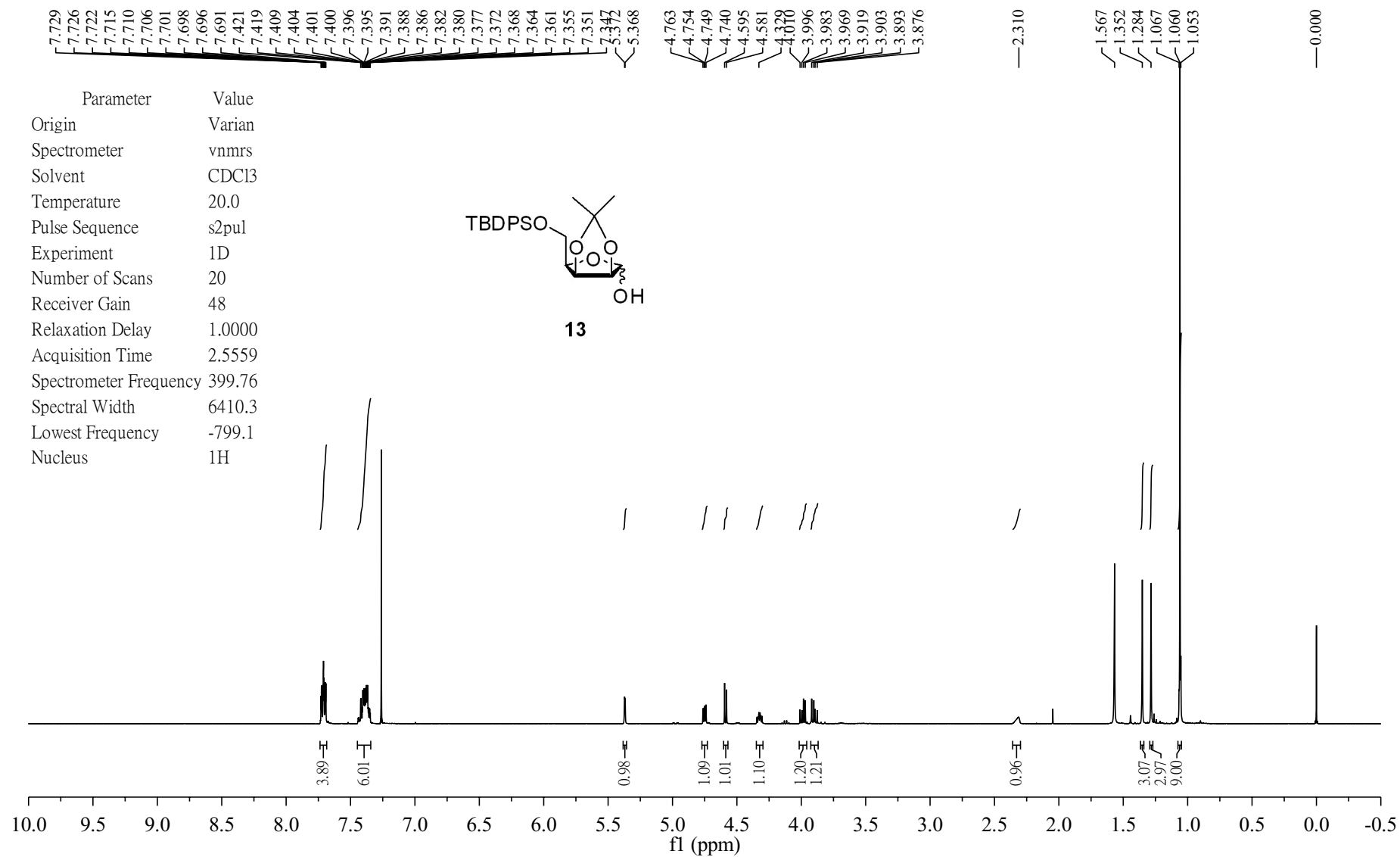




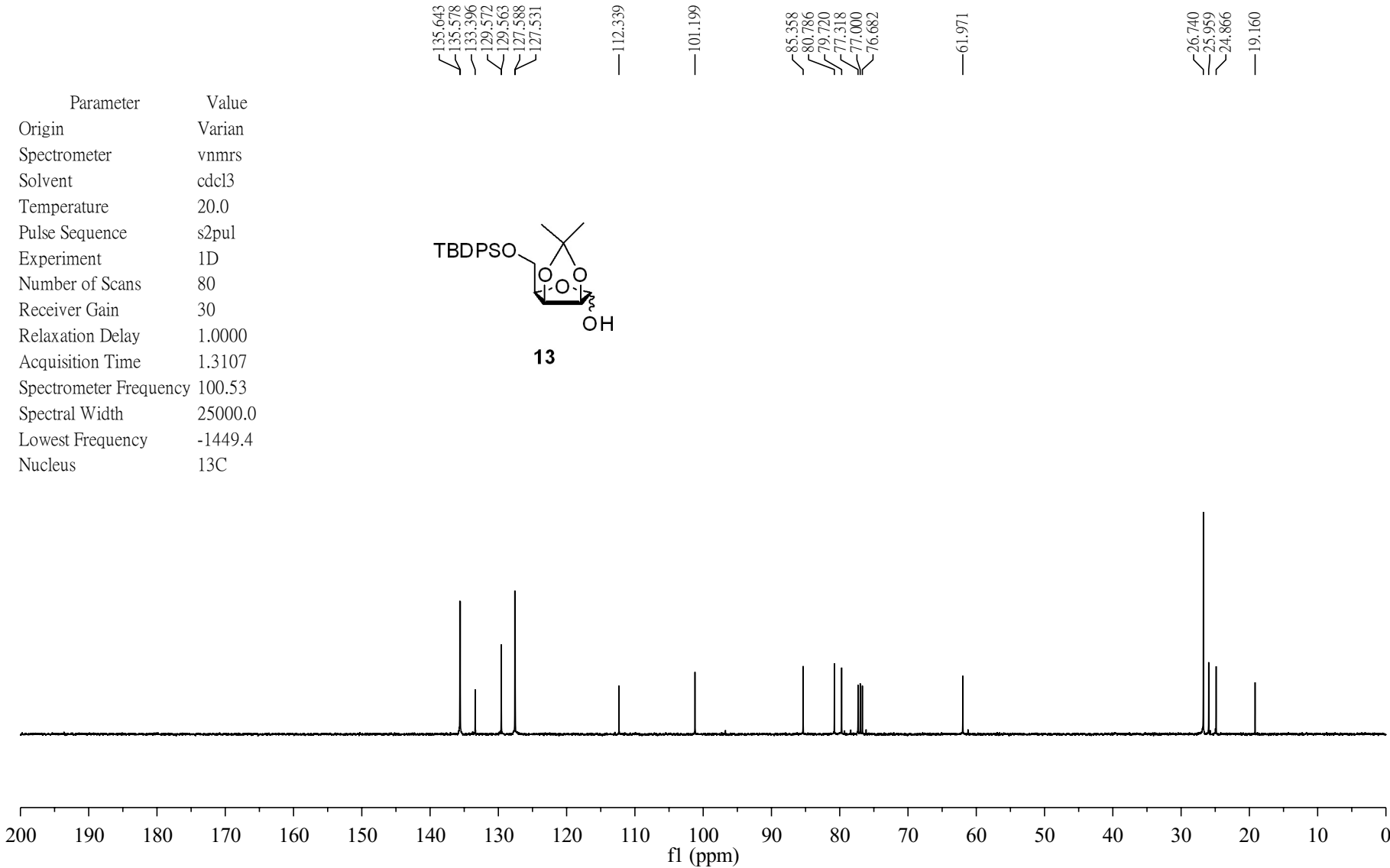
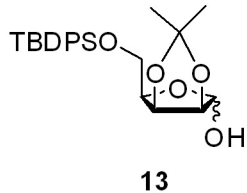


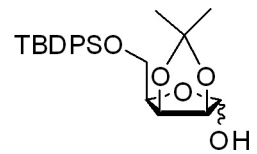






Parameter	Value
Origin	Varian
Spectrometer	vnmr5
Solvent	cdcl3
Temperature	20.0
Pulse Sequence	s2pul
Experiment	1D
Number of Scans	80
Receiver Gain	30
Relaxation Delay	1.0000
Acquisition Time	1.3107
Spectrometer Frequency	100.53
Spectral Width	25000.0
Lowest Frequency	-1449.4
Nucleus	13C





13

