Supporting Information

***Rec. Nat. Prod.* 8:1 (2014) 1-6**

A New Apiofuranoside from the Rattan of *Piper flaviflorum*

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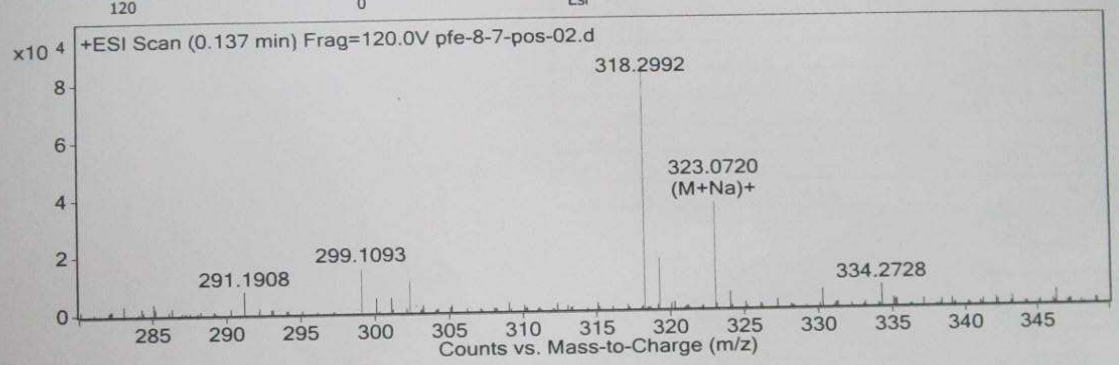
Qualitative Analysis Report

Data Filename	pfe-8-7-pos-02.d	**Sample Name**	pfe-8-7
Sample Type	Sample	**Position**	P2-E4
Instrument Name	Instrument 1	**User Name**	
Acq Method	TEST-POS-03.m	**Acquired Time**	11/1/2012 10:05:44 AM
IRM Calibration Status	Success	**DA Method**	ERROR.m
Comment			
Data Filename	pfe-8-7-neg-01.d	**Sample Name**	pfe-8-7
Sample Type	Sample	**Position**	P2-E4
Instrument Name	Instrument 1	**User Name**	
Acq Method	TEST-NEG-03.m	**Acquired Time**	11/1/2012 9:52:51 AM
IRM Calibration Status	Success	**DA Method**	ERROR.m
Comment			

User Spectra

Fragmentor Voltage	Collision Energy	Ionization Mode
120	0	Esi



Peak List

m/z	z	Abund	Formula	Ion
139.0714		41322		
212.1168	1	88178		
230.2458		27809		
274.273	1	106899		
318.2992	1	84170		
323.072	1	37094	C13 H16 Na O8	(M+Na)+
437.1925	1	29780		
831.4996	1	187874		
832.5034	1	95256		
833.5059	1	27266		

Formula Calculator Element Limits

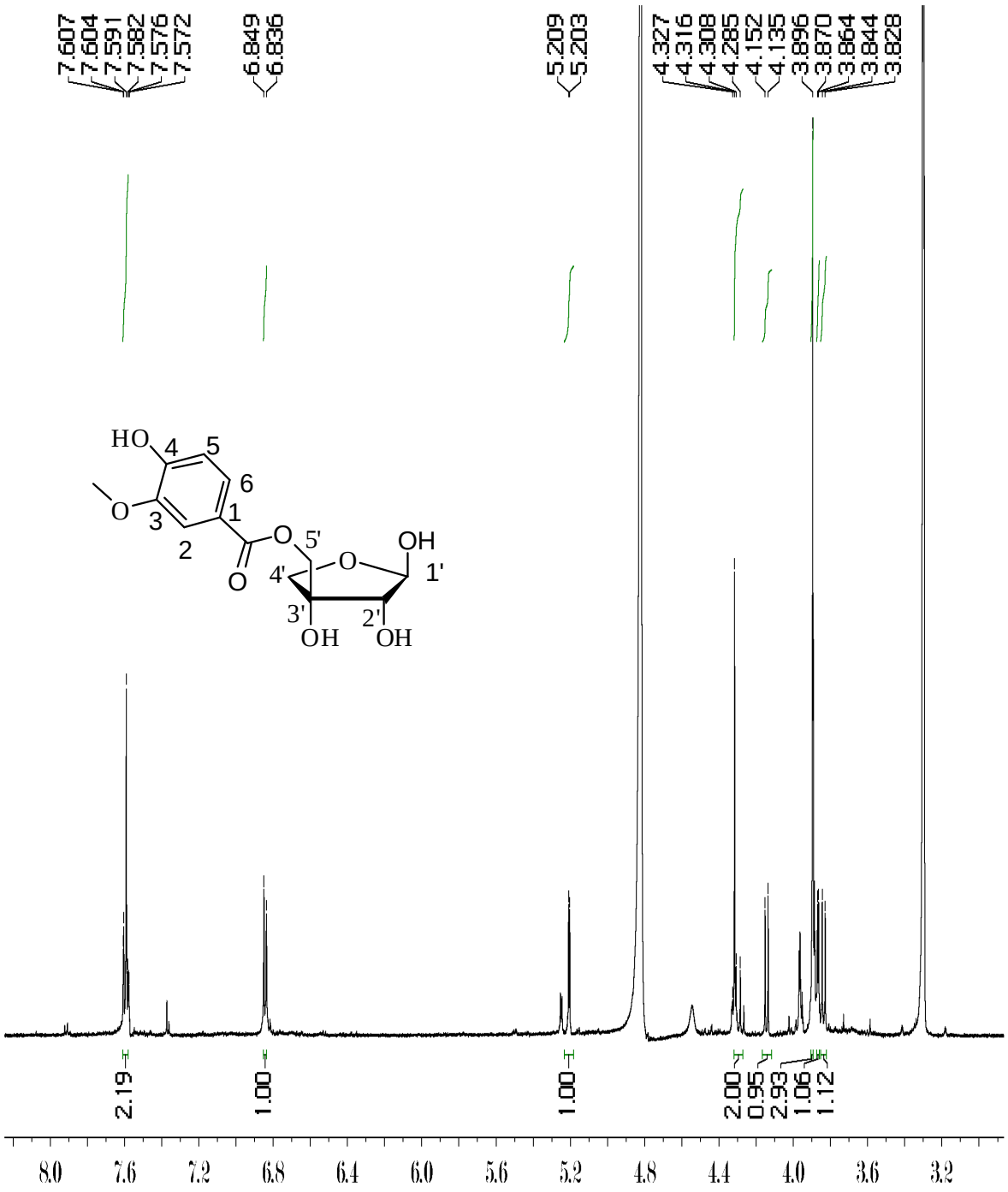
Element	Min	Max
C	0	100
H	0	367
N	0	0
O	0	20

Formula Calculator Results

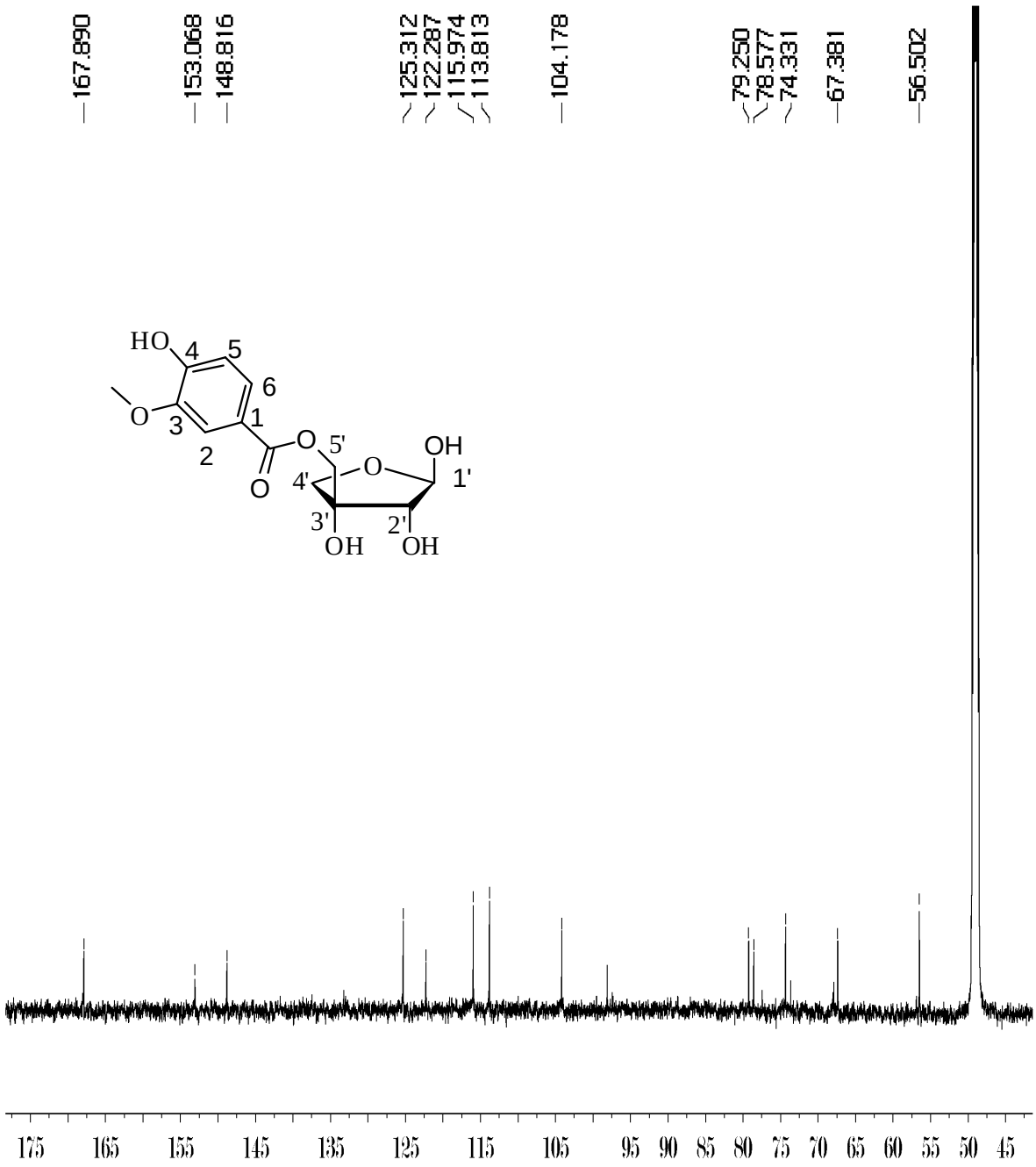
Formula	Best	Mass	Tgt Mass	Diff (ppm)	Ion Species	Score
C13 H16 O8	TRUE	300.0828	300.0845	5.72	C13 H16 Na O8	72.48

Fragmentor Voltage	Collision Energy	Ionization Mode
120	0	Esi

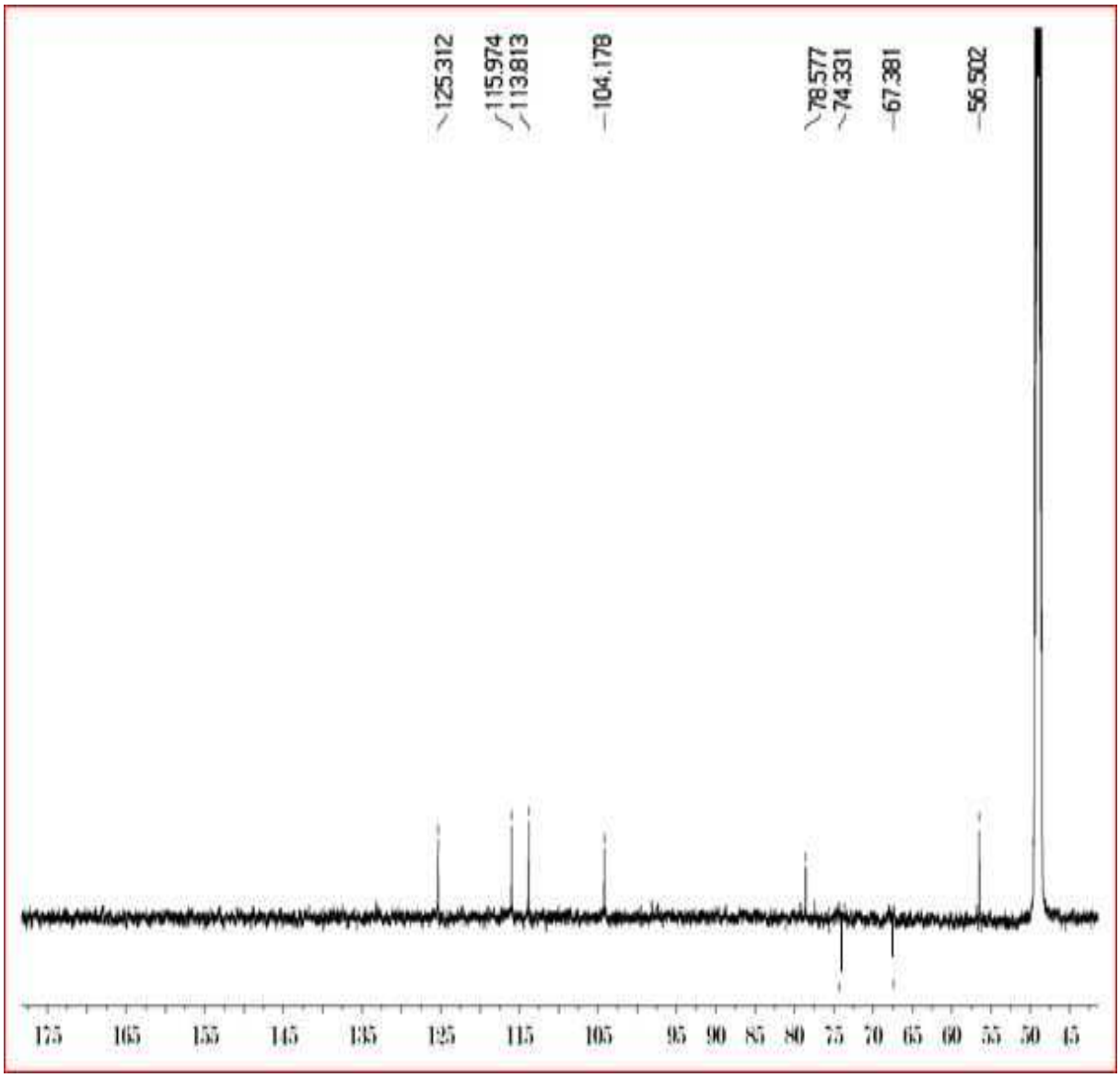
S1: HR-ESI-MS Spectrum of Compound **1** (flavifloside A)



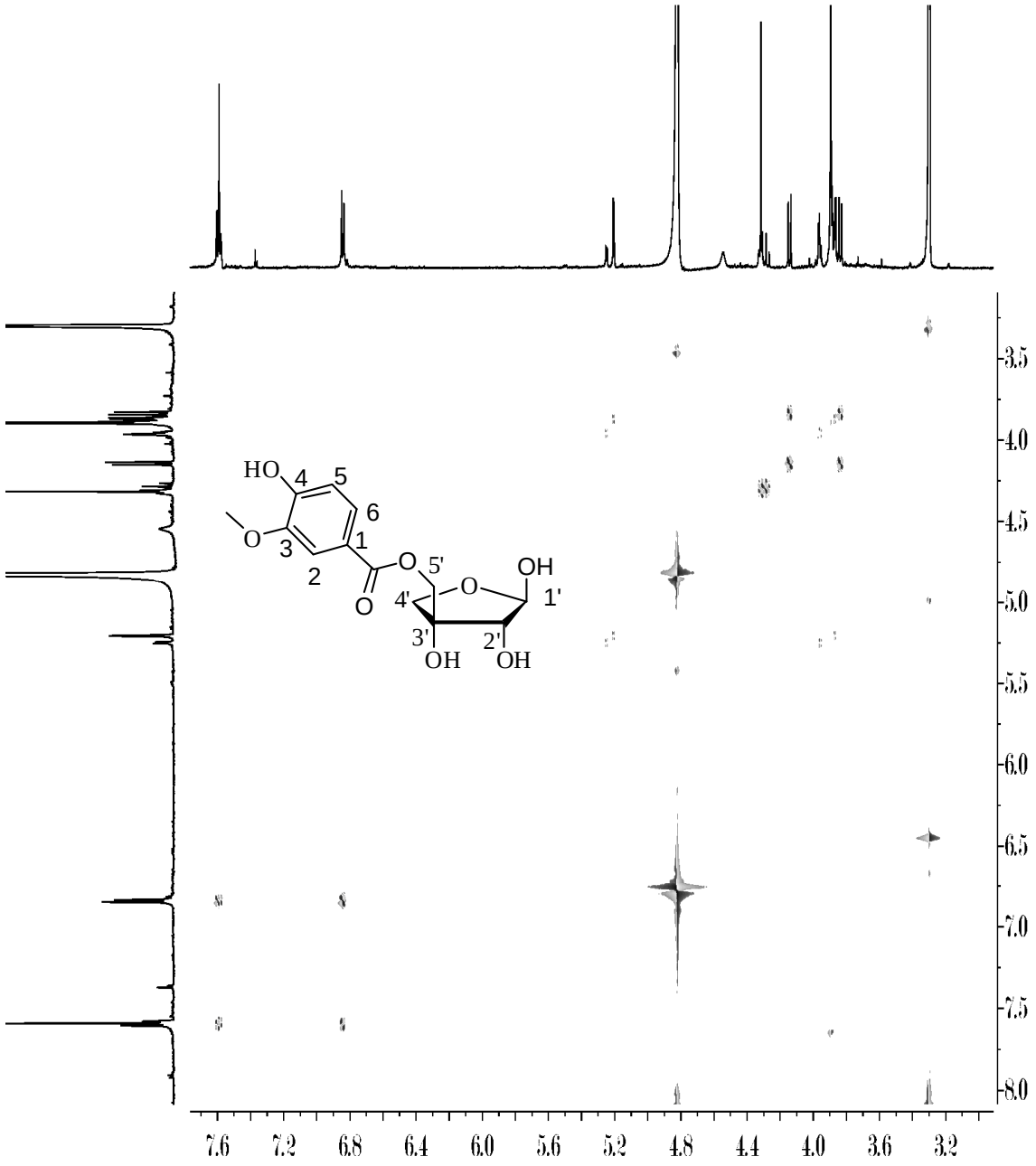
S2: ^{1}H-NMR (600 MHz, CD_3OD) Spectrum of Compound **1** (flavifloside A)



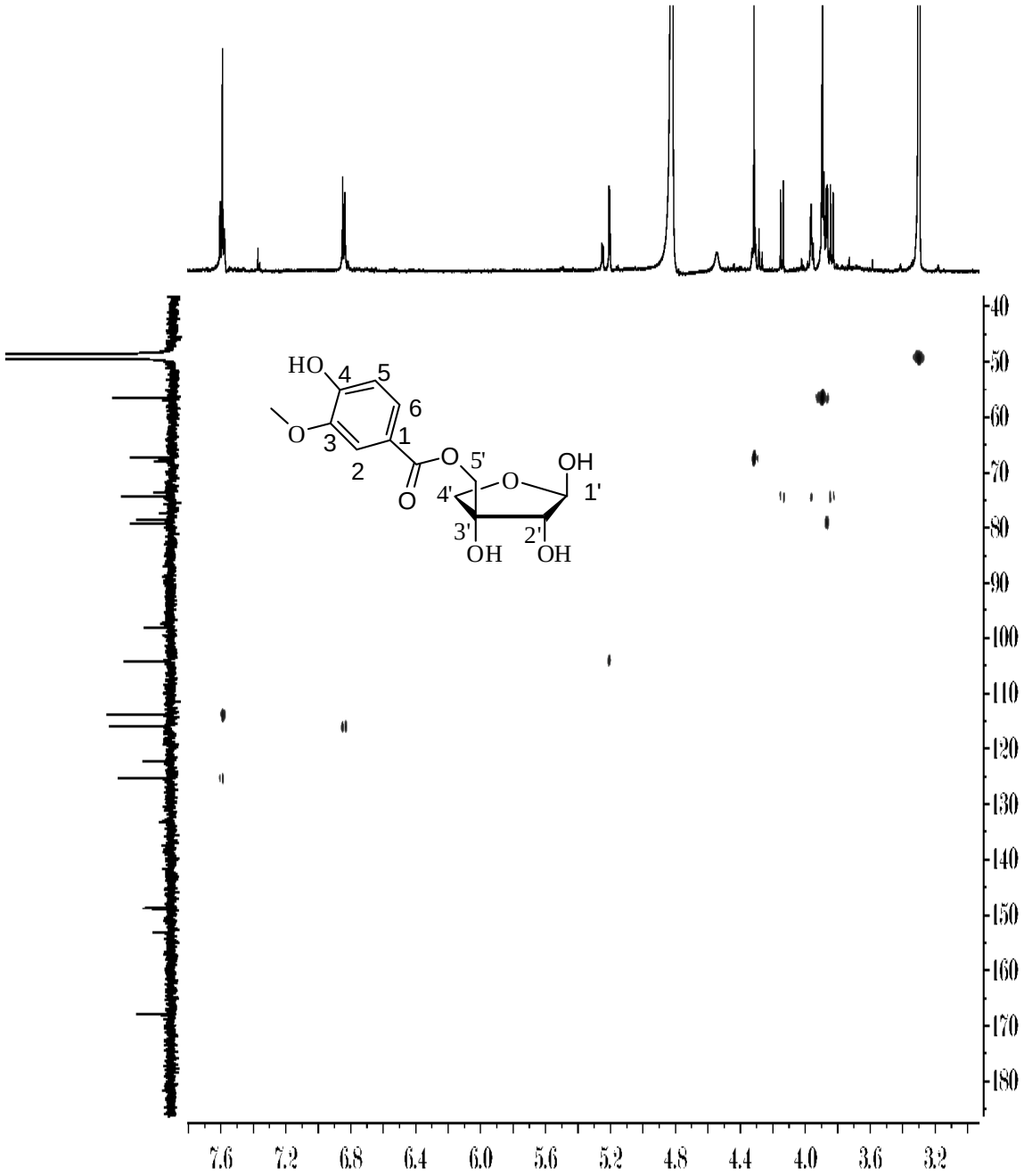
S3: ^{13}C-NMR (150 MHz, CD_3OD) Spectrum of Compound **1** (flavifloside A)



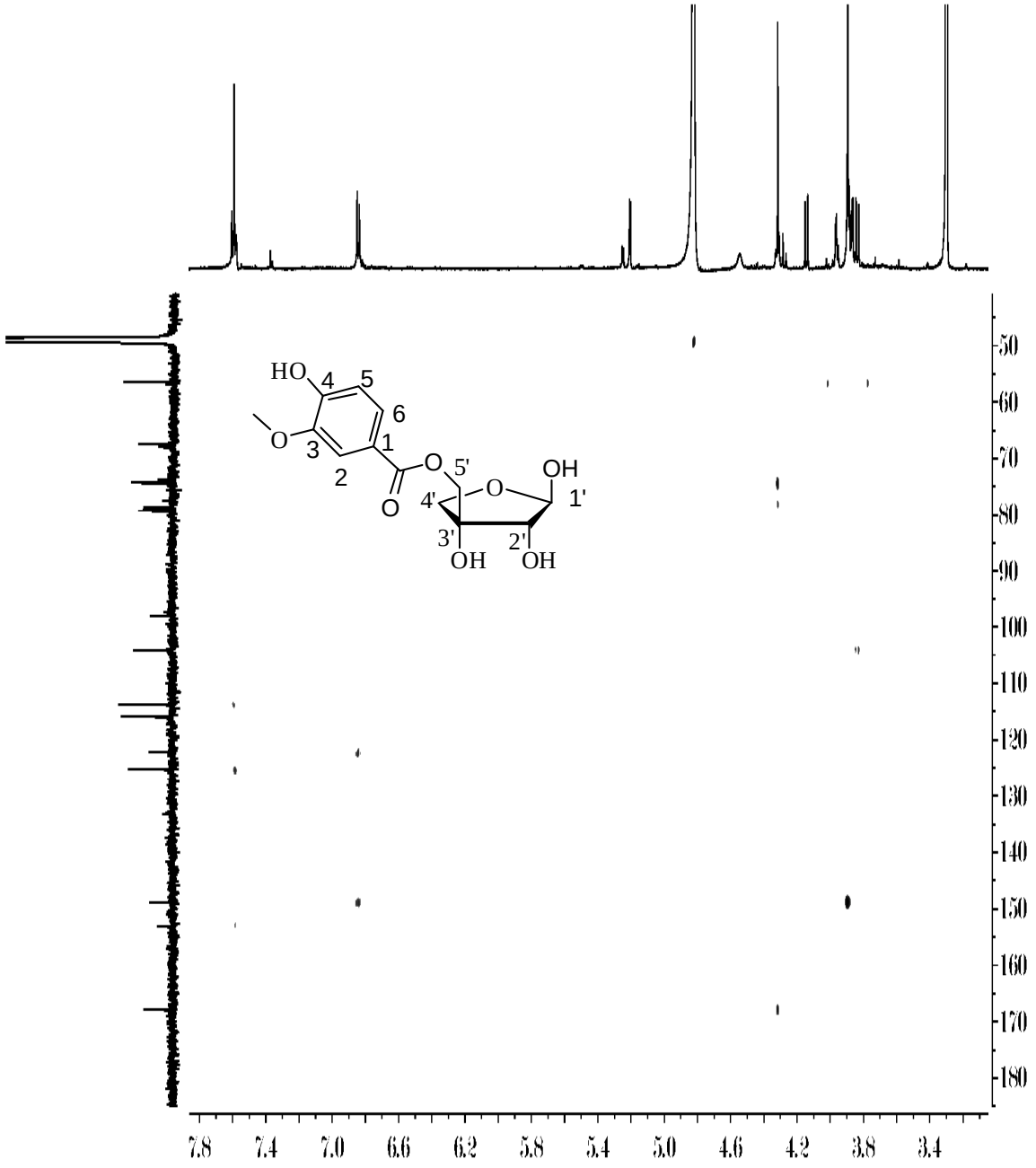
S4: DEPT (150 MHz, CD_3OD) Spectrum of Compound **1** (flavifloside A)



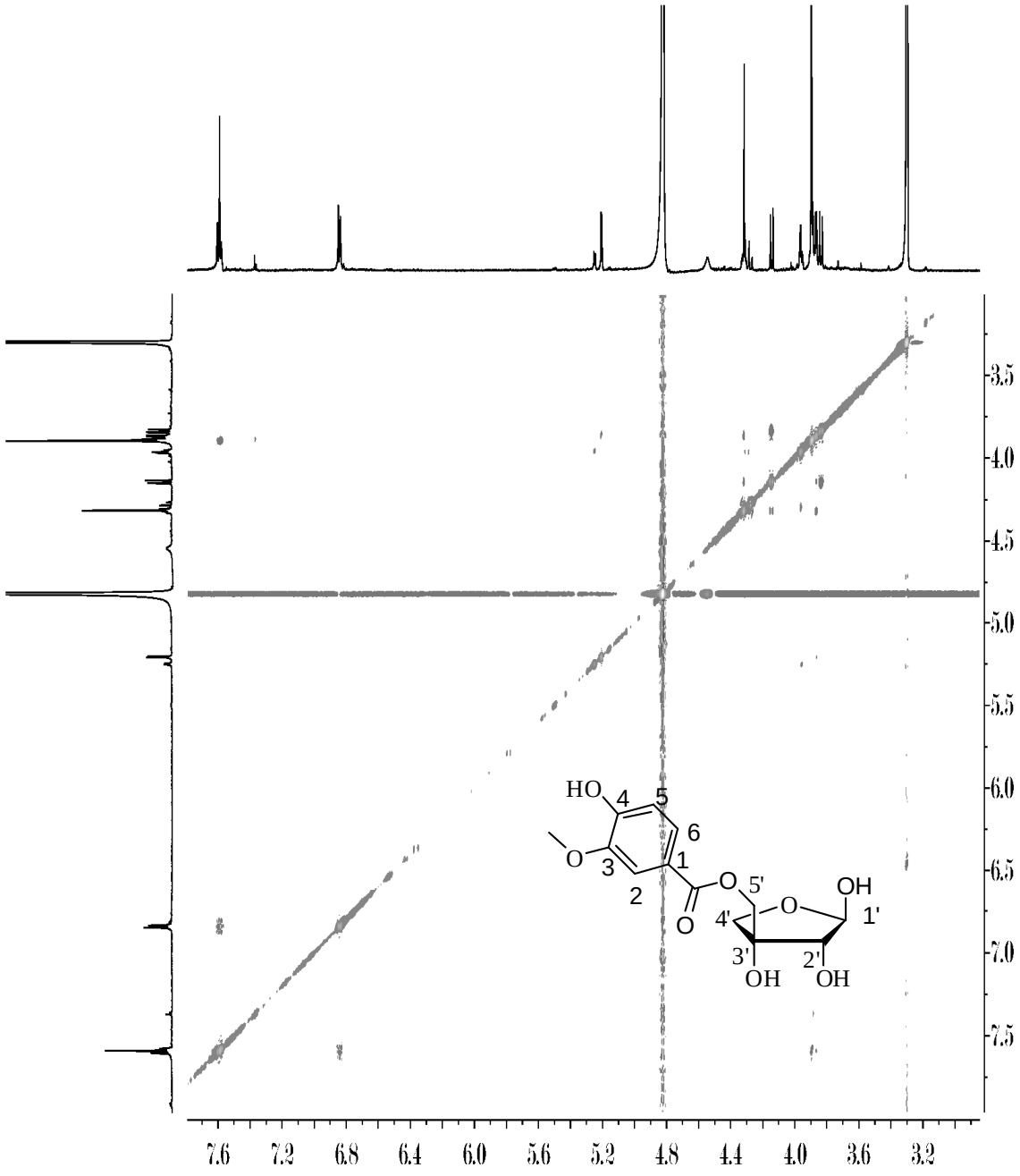
S5: H-HCOSY (600 MHz) Spectrum of Compound **1** (flavifloside A)



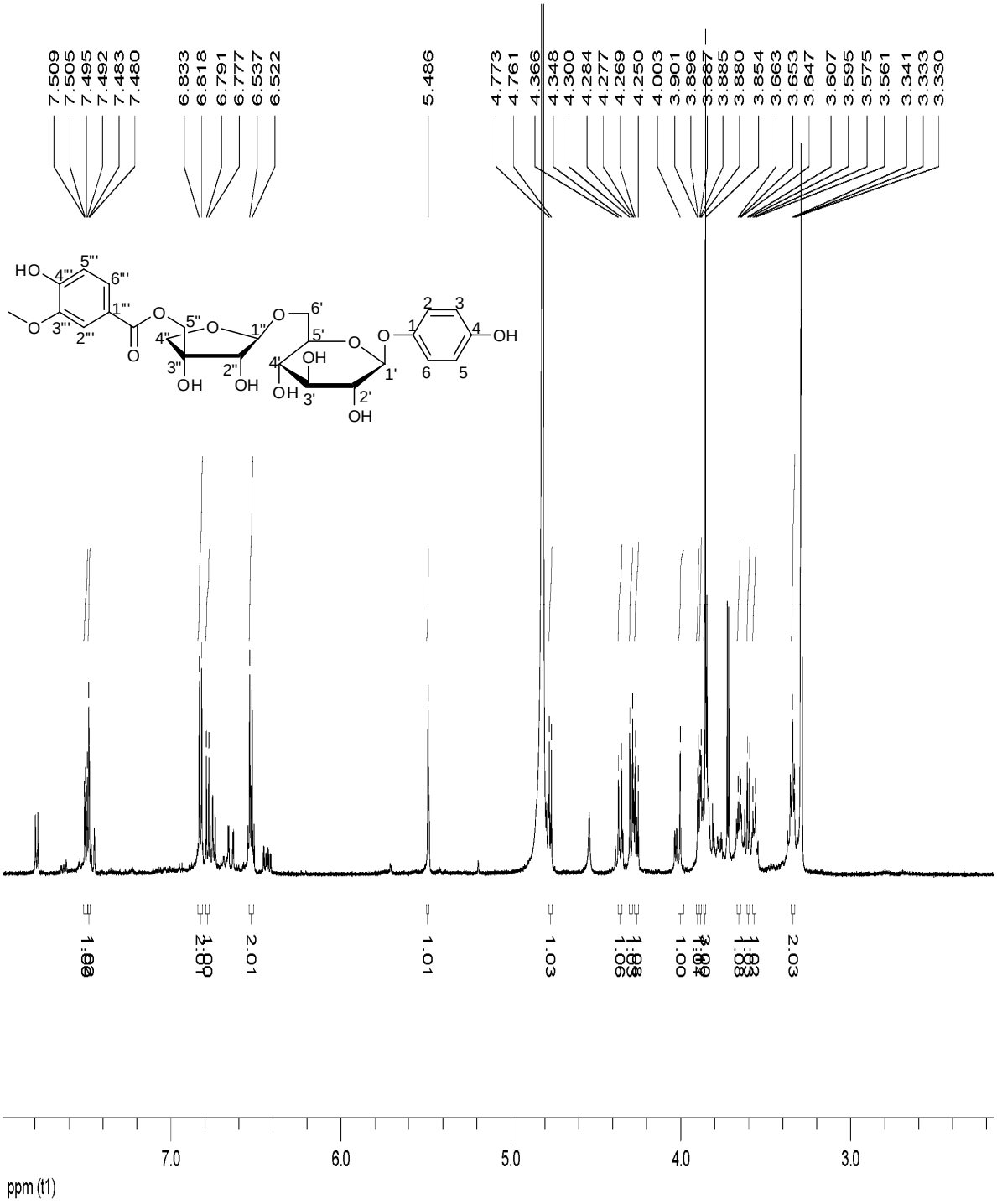
S6: HSQC (600 MHz) Spectrum of Compound **1** (flavifloside A)



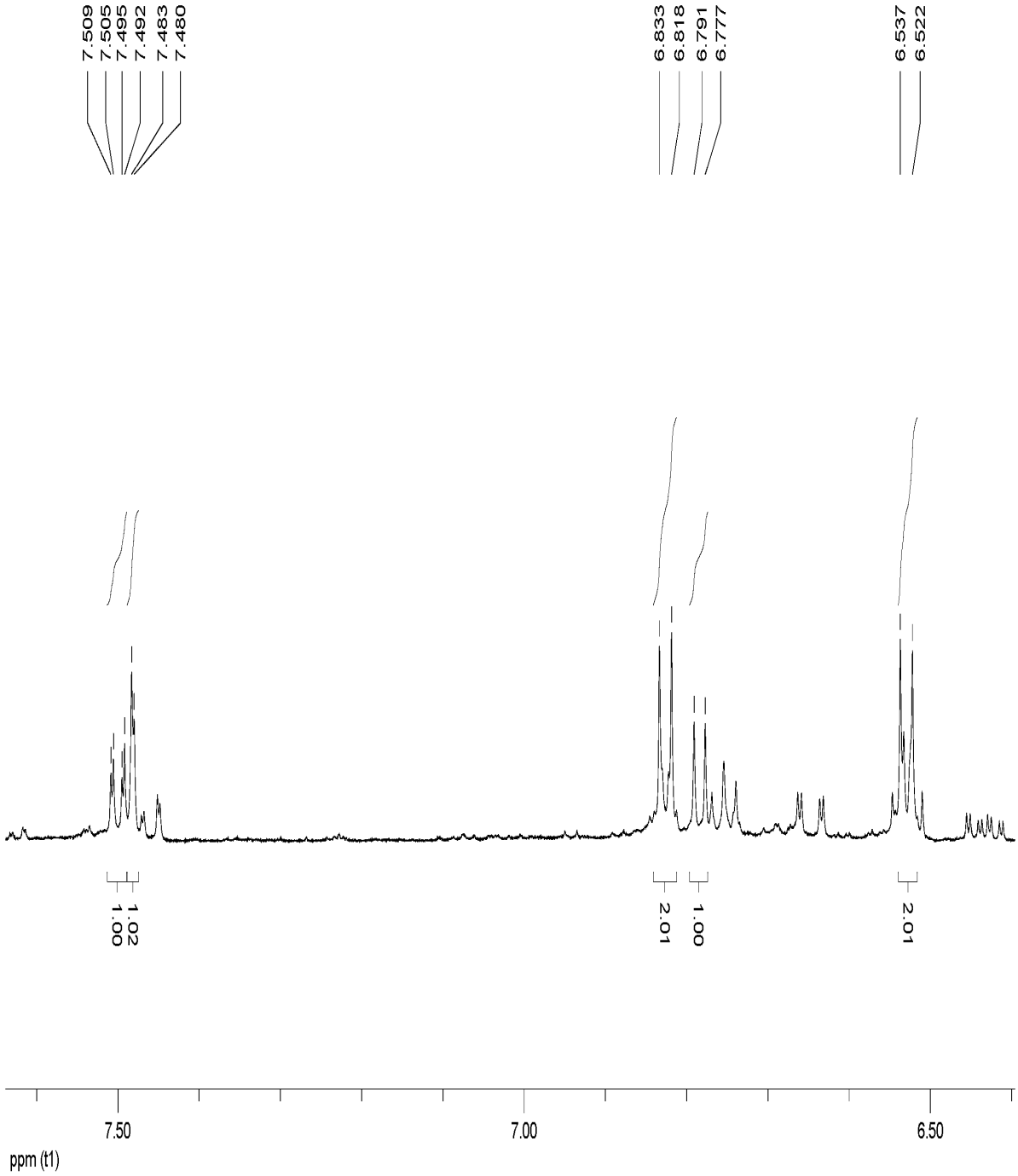
S7: HMBC (600 MHz) Spectrum of Compound **1** (flavifloside A)



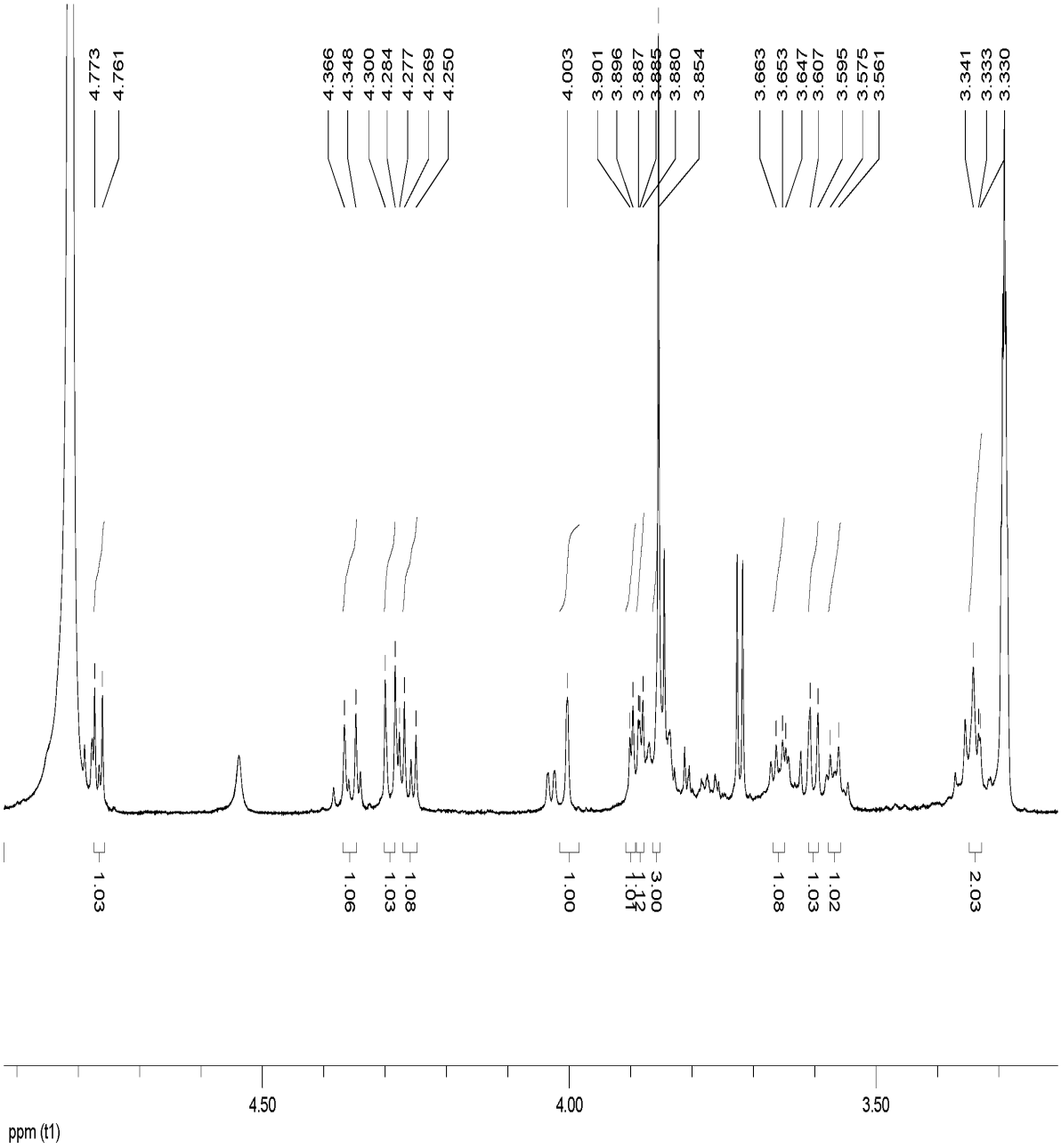
S8: NOESY (600 MHz) Spectrum of Compound **1** (flavifloside A)



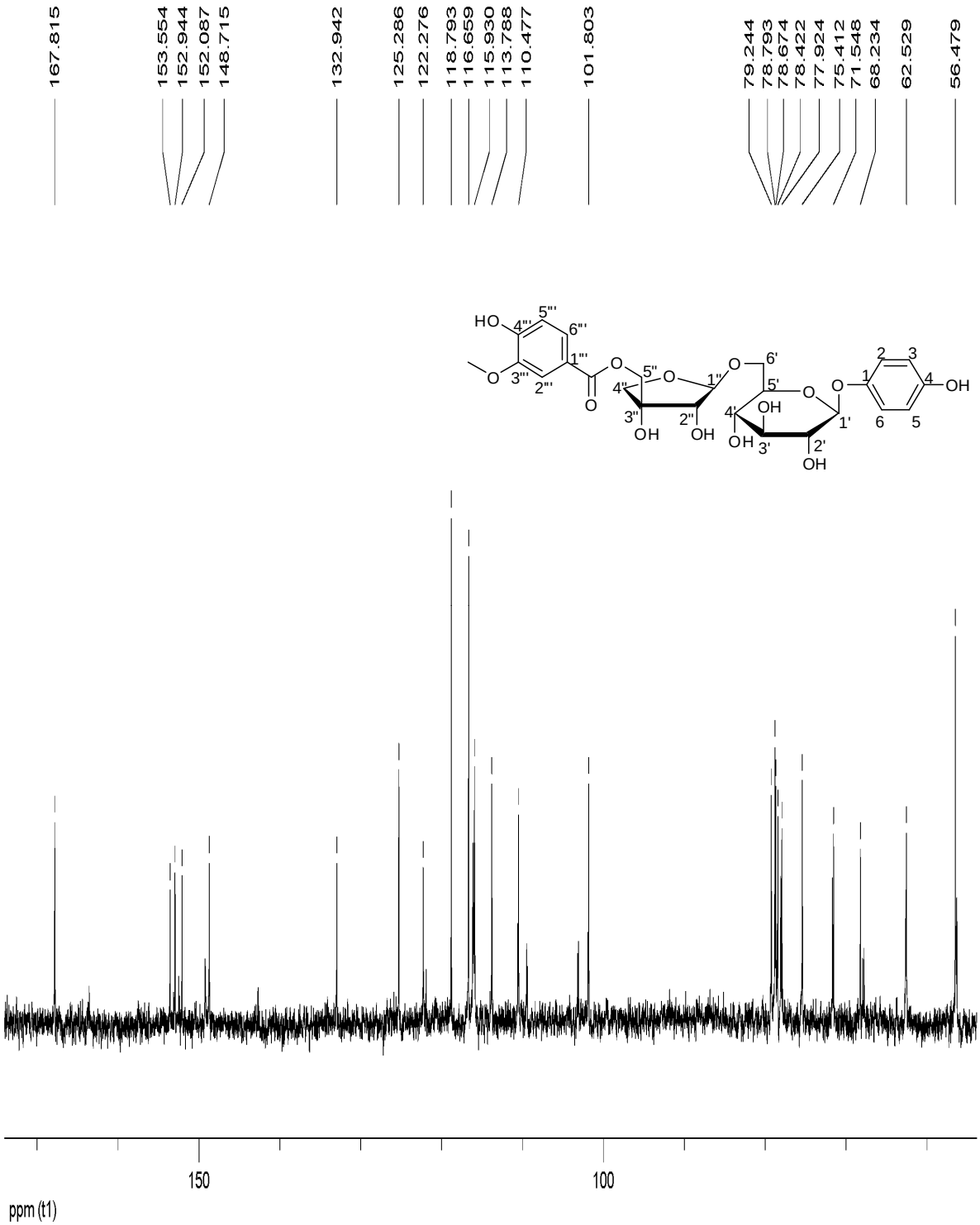
S9: ^{1}H-NMR (600 MHz, CD_3OD) Spectrum of Compound **2** (seguinoside E)



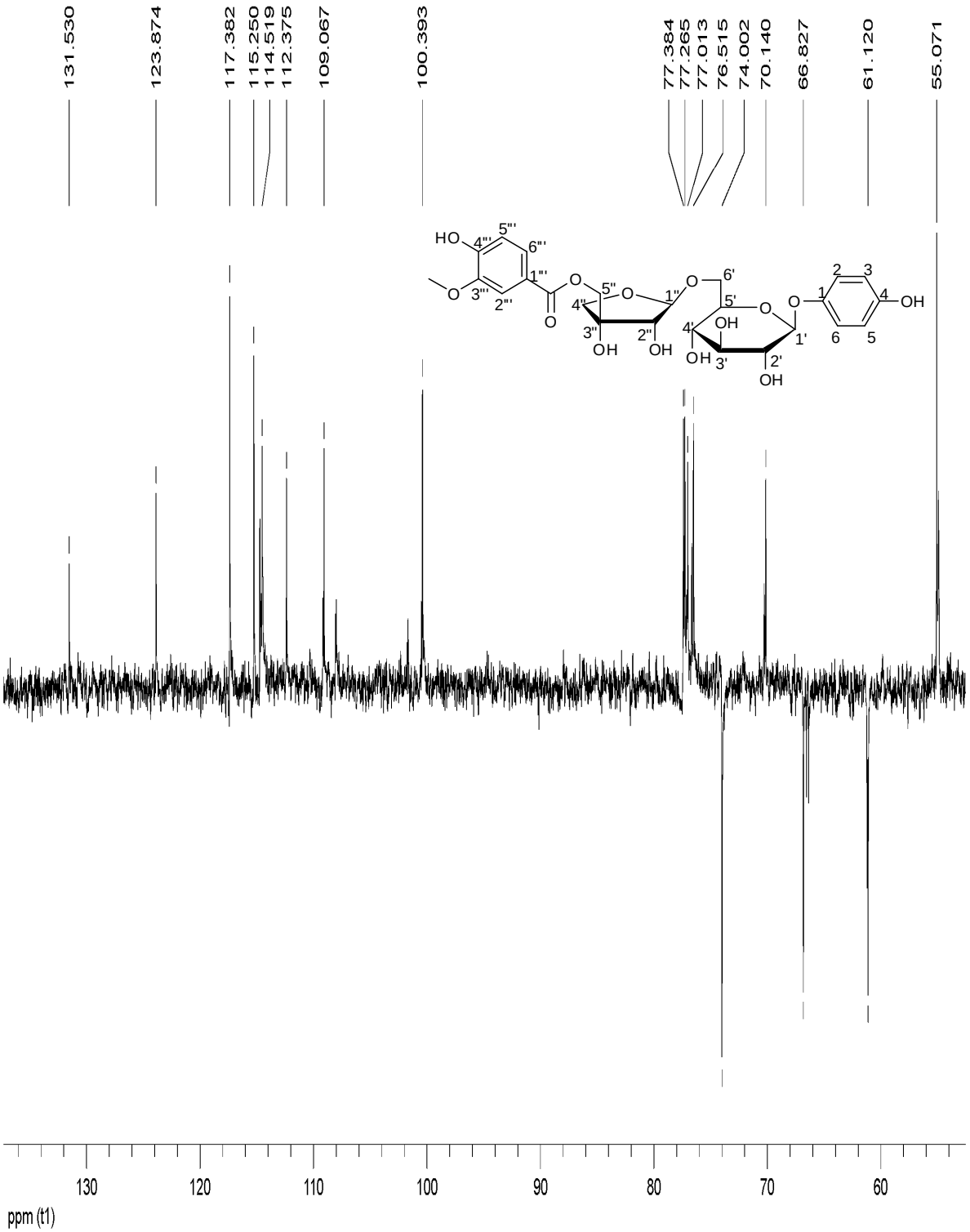
S10: Expansion of the ^{1}H-NMR Spectrum of Compound **2** (seguinoside E)



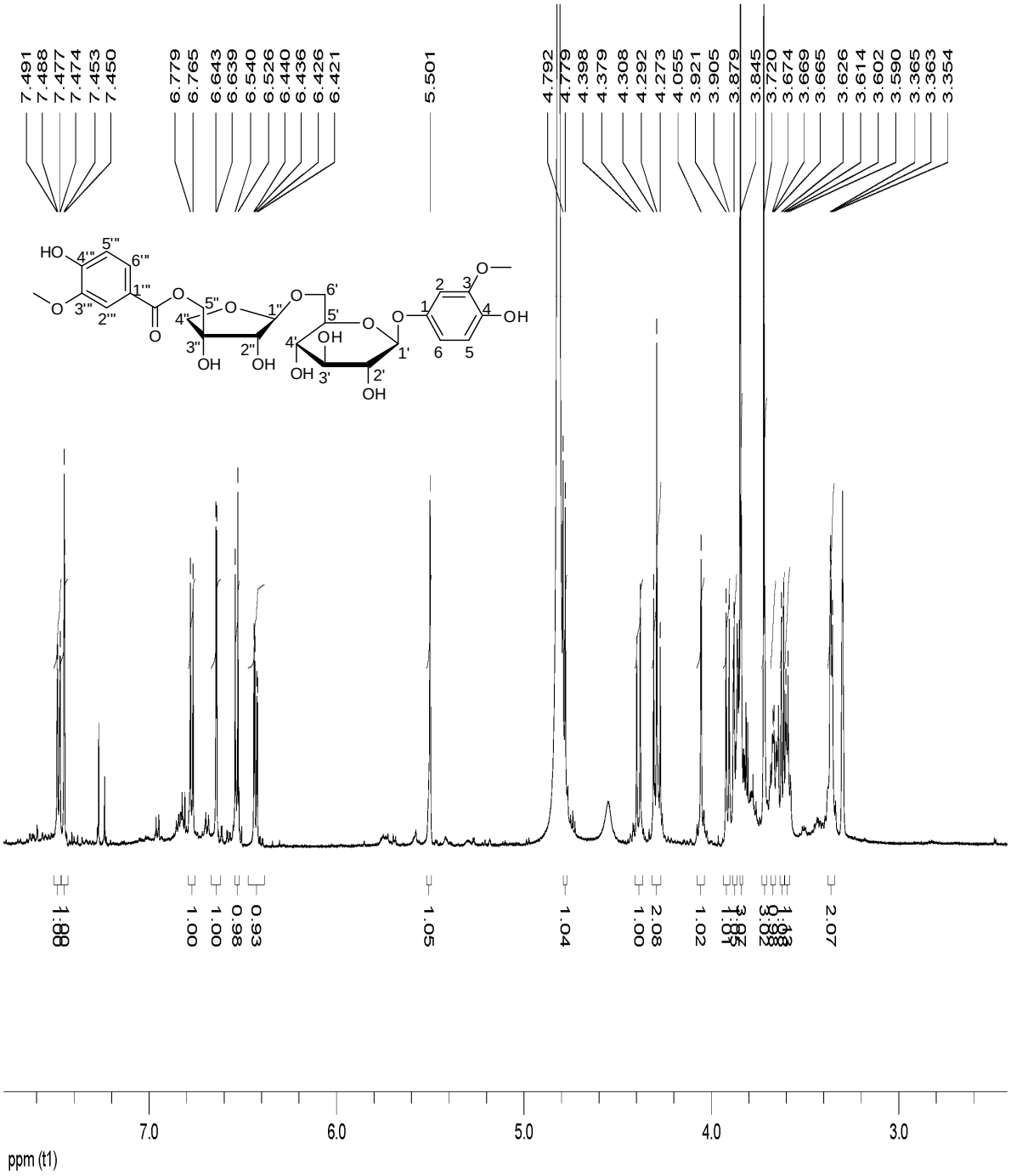
S11: Expansion of the ^{1}H-NMR Spectrum of Compound **2** (seguinoside E)



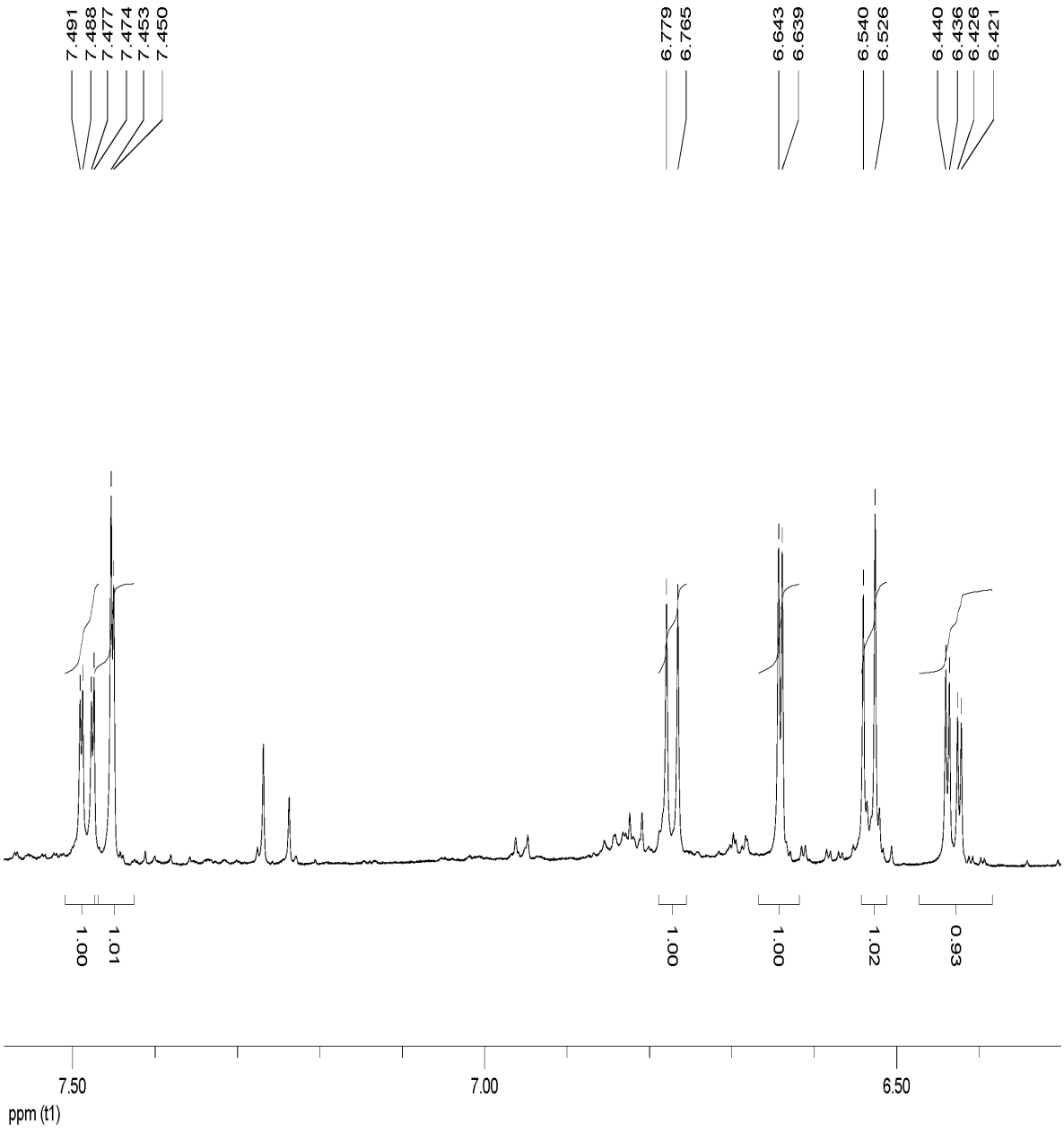
S12: ^{13}C-NMR (150 MHz, CD_3OD) Spectrum of Compound **2** (seguinoside E)



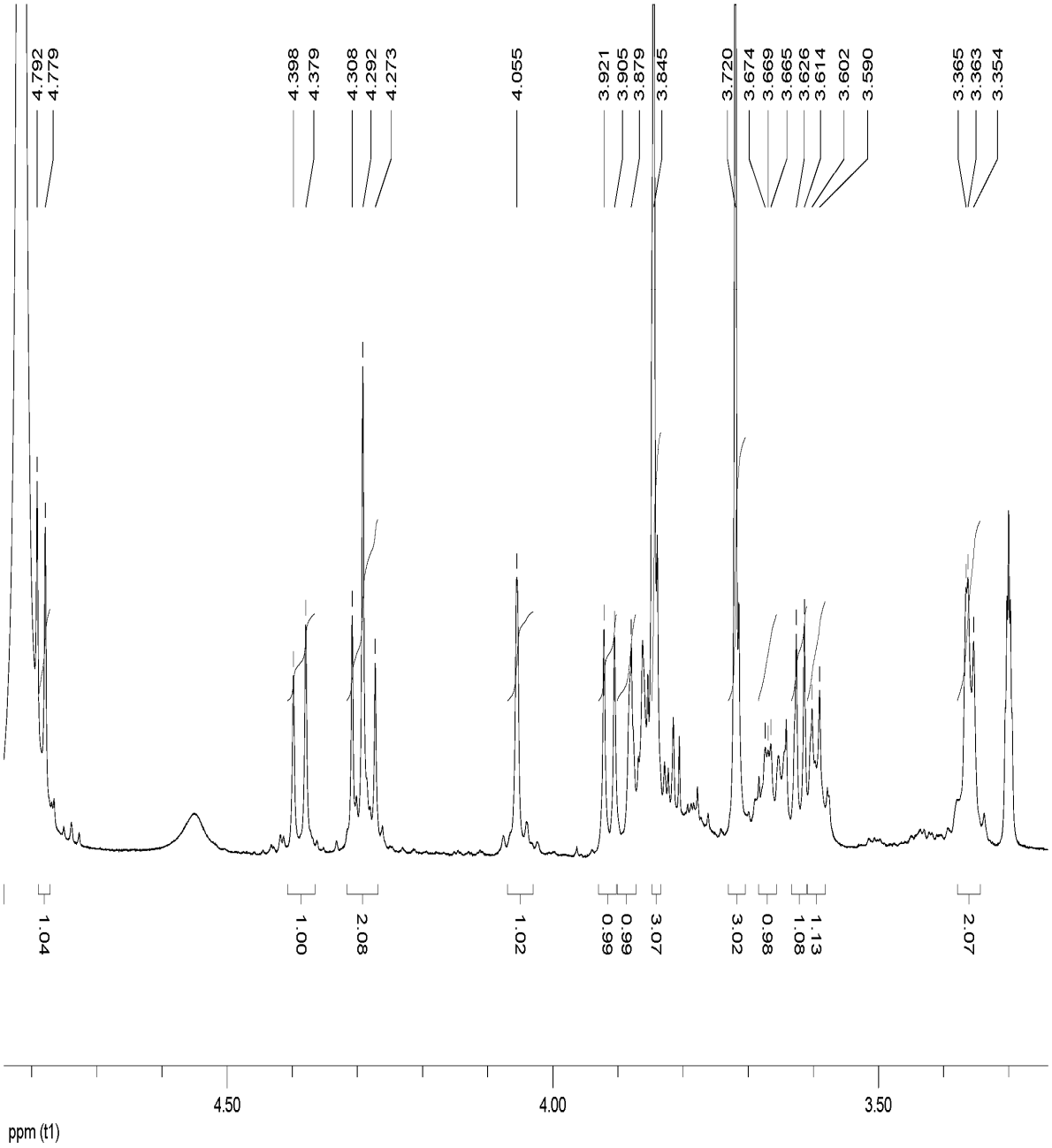
S13: DEPT (150 MHz, CD_3OD) Spectrum of Compound **2** (seguinoside E)



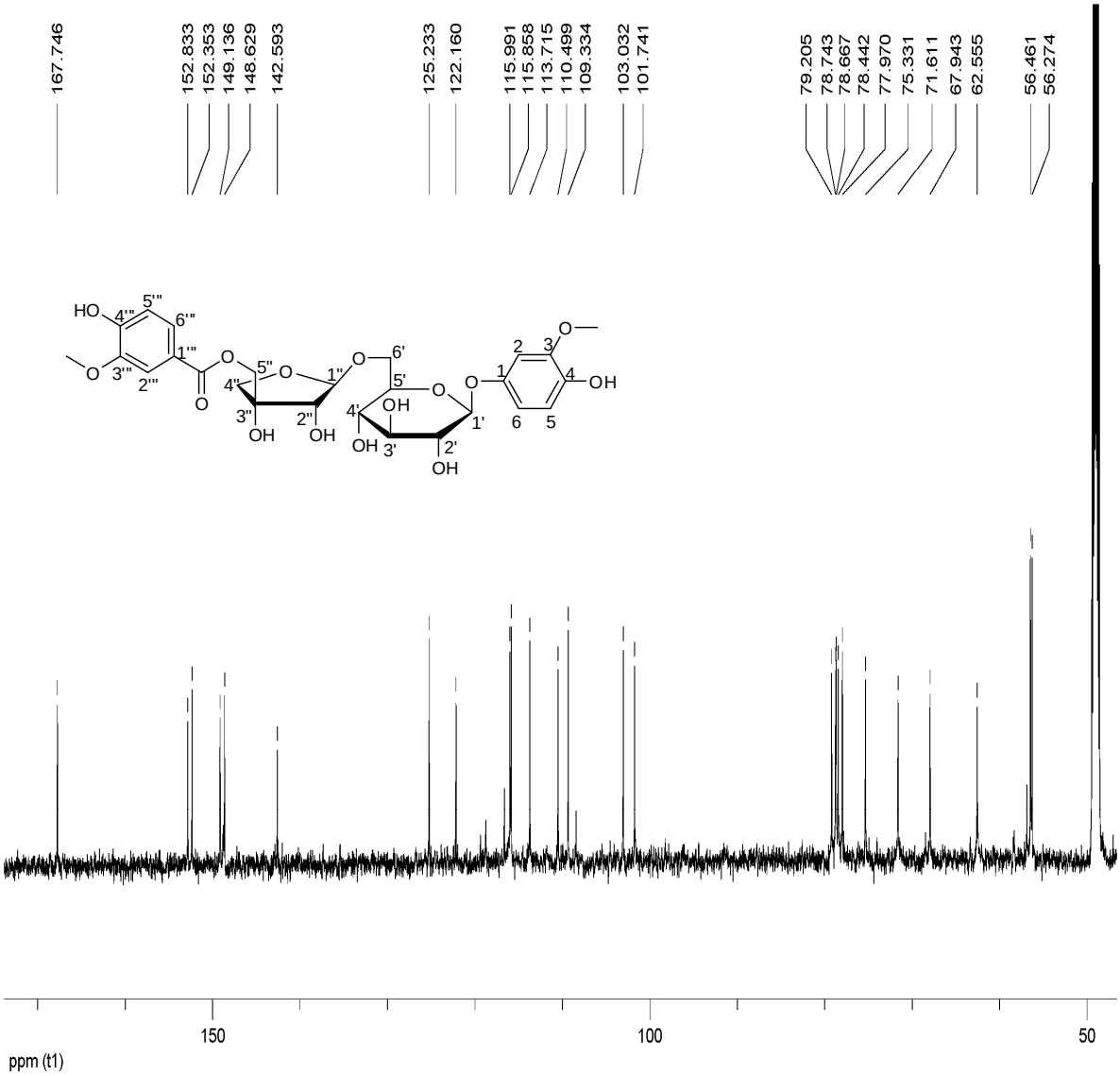
S14: ^{1}H-NMR (600 MHz, CD_3OD) Spectrum of Compound **3** (seguinoside K)



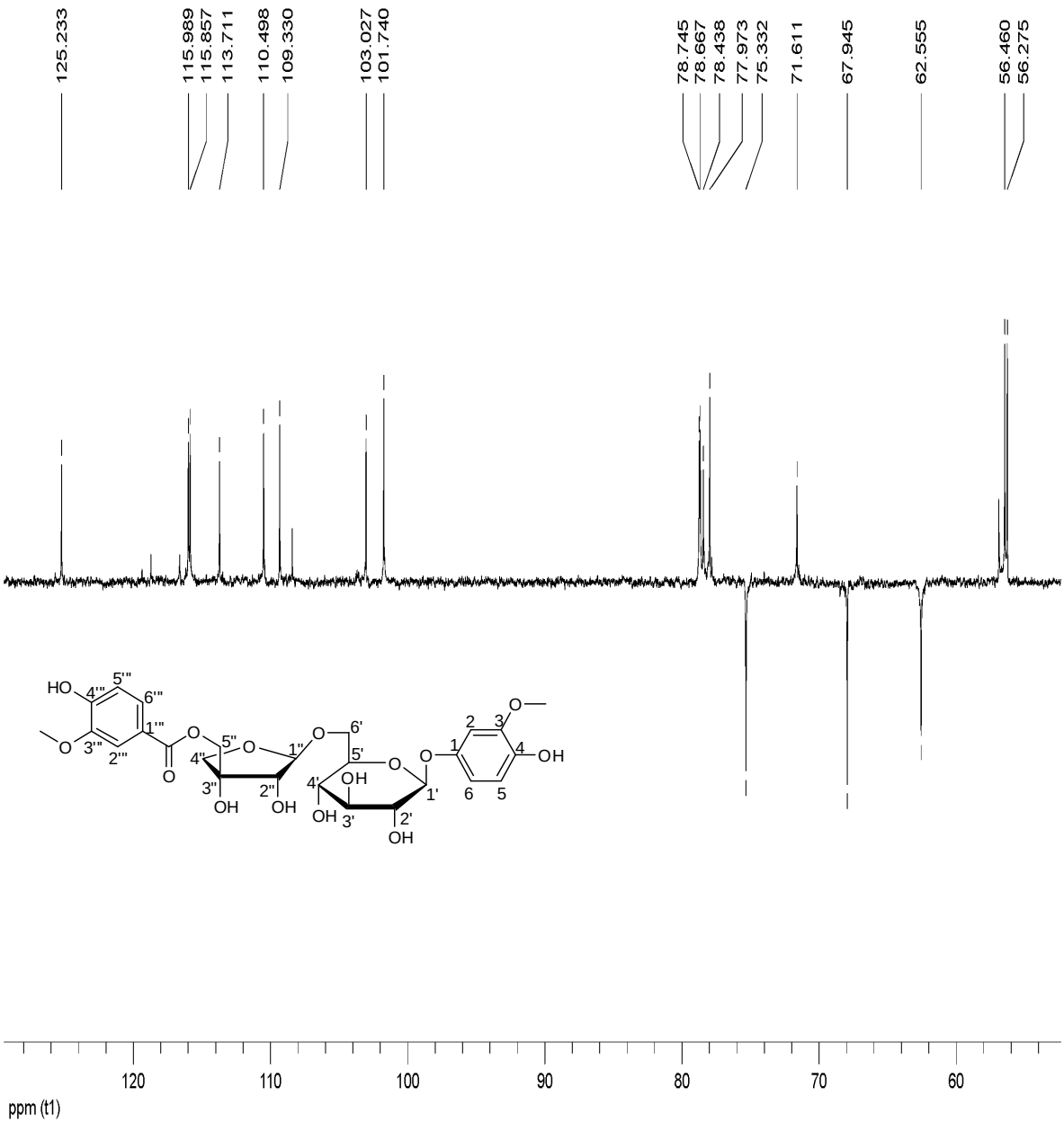
S15: Expansion of the ^{1}H-NMR Spectrum of Compound **3** (seguinoside K)



S16: Expansion of the ^{1}H-NMR Spectrum of Compound **3** (seguinoside K)



S17: ^{13}C-NMR (150 MHz, CD_3OD) Spectrum of Compound **3** (seguinoside K)



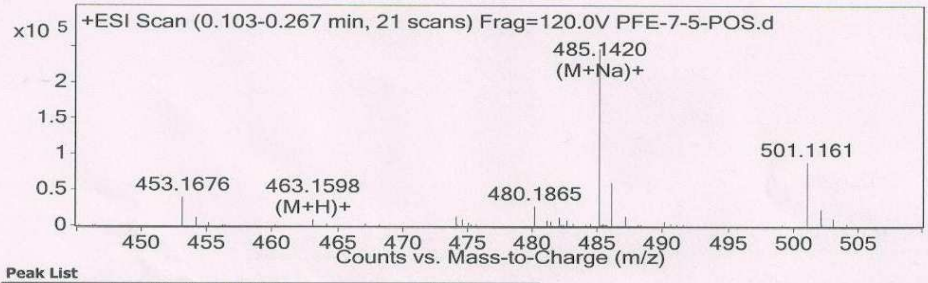
S18: DEPT (150 MHz, CD_3OD) Spectrum of Compound **3** (seguinoside K)

Qualitative Analysis Report

Data Filename	PFE-7-5-POS.d	**Sample Name**	PFE-7-5
Sample Type	Sample	**Position**	P1-B2
Instrument Name	Instrument 1	**User Name**	
Acq Method	TEST-POS-01.m	**Acquired Time**	9/27/2012 2:37:21 PM
IRM Calibration Status	Success	**DA Method**	Default.m
Comment			

User Spectra

Fragmentor Voltage	Collision Energy	Ionization Mode
120	0	Esi



Peak List

m/z	z	Abund	Formula	Ion
121.0509	1	84211		
191.07	1	360932		
274.2742	1	181568		
318.3005	1	88007		
353.1235	1	131411		
437.1938	1	84239		
485.142	1	248016	C23 H26 Na O10	(M+Na)+
501.1161	1	88549		
947.2943	1	357741		
948.2981	1	178637		

Formula Calculator Element Limits

Element	Min	Max
C	3	79
H	0	124
O	0	24

Formula Calculator Results

Formula	Best	Mass	Tgt Mass	Diff (ppm)	Ion Species	Score
C23 H26 O10	TRUE	462.1527	462.1526	-0.29	C23 H26 Na O10	99.63
C23 H26 O10	TRUE	462.1525	462.1526	0.22	C23 H27 O10	98.17

--- End Of Report ---

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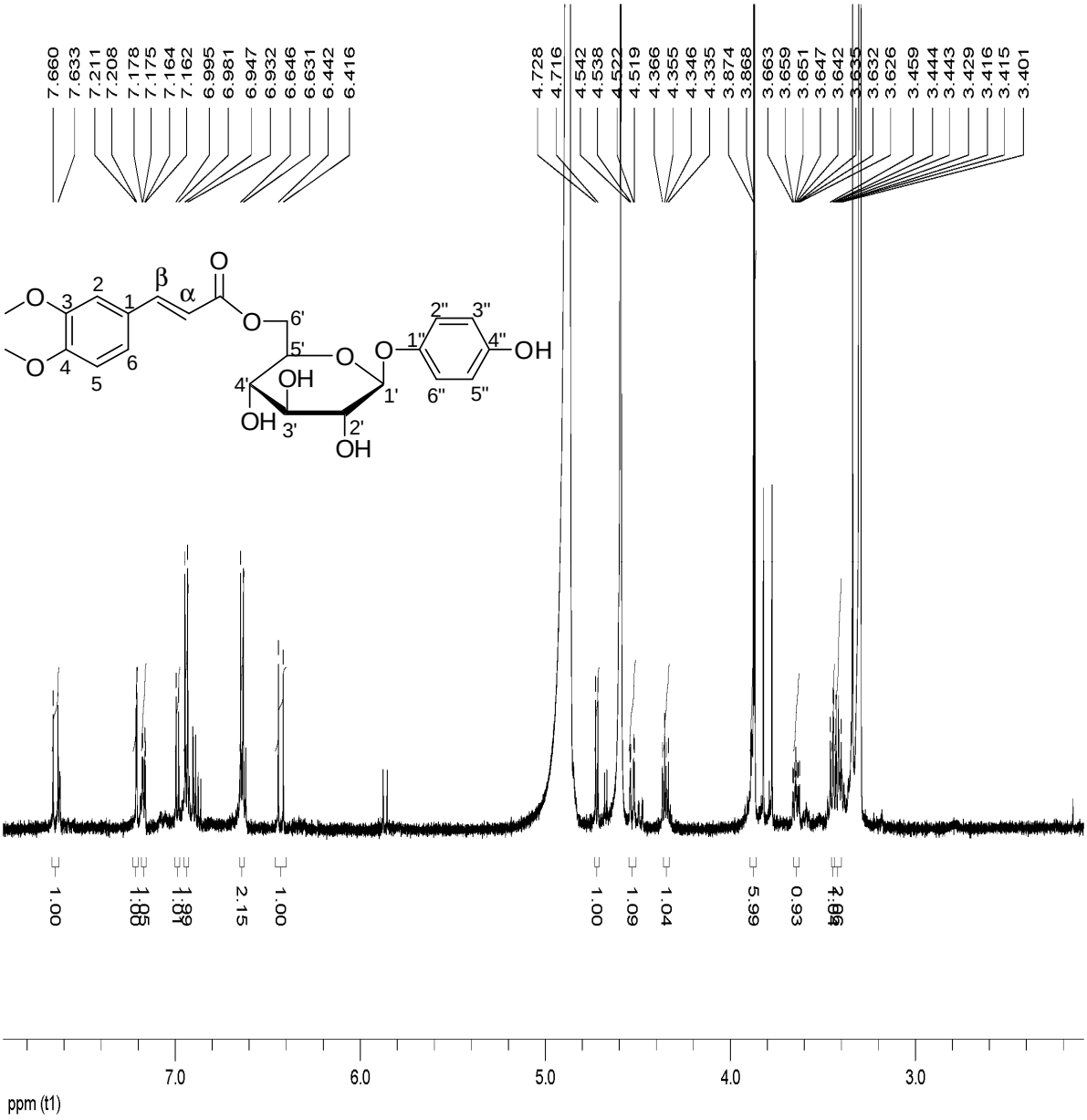
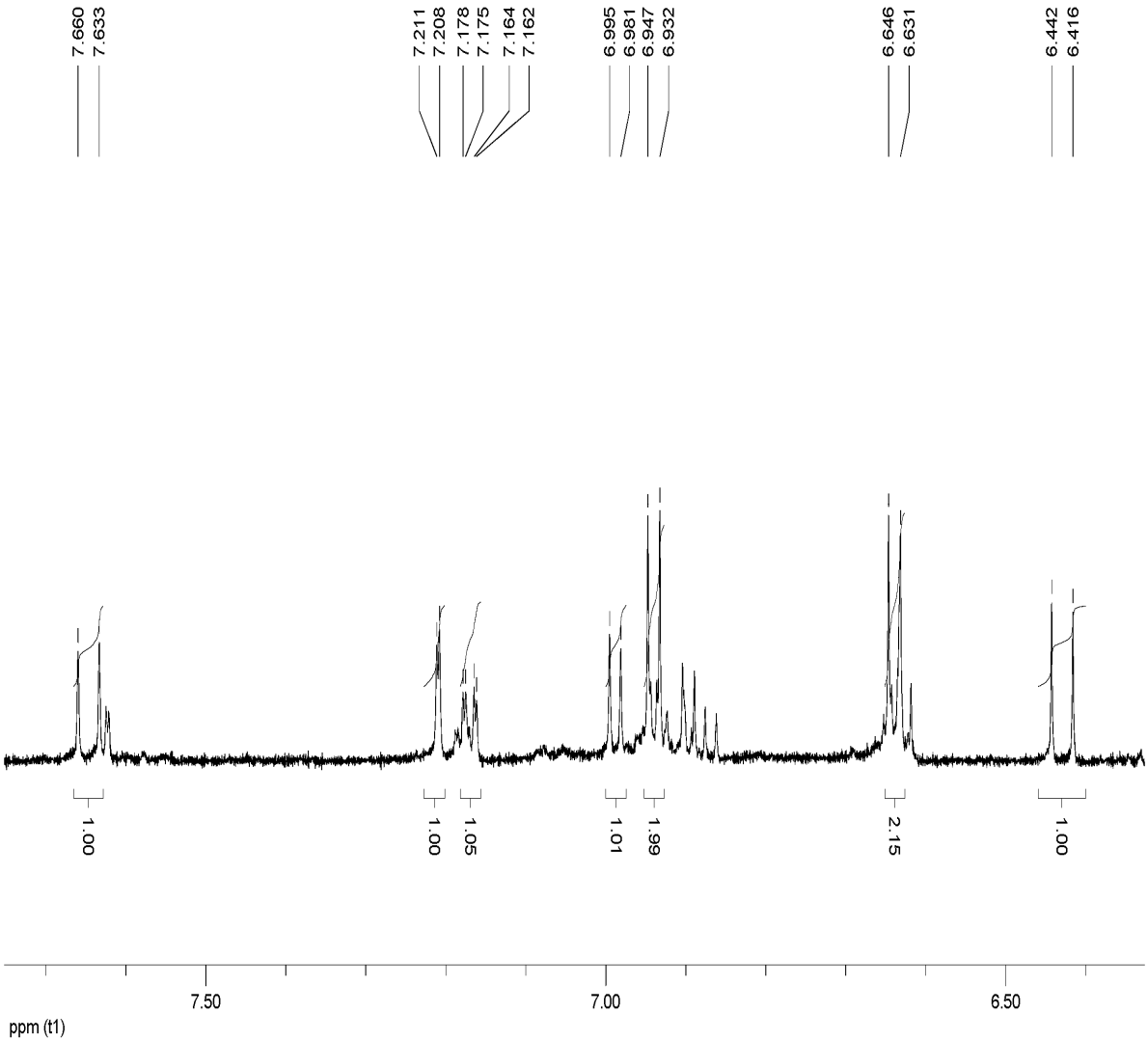
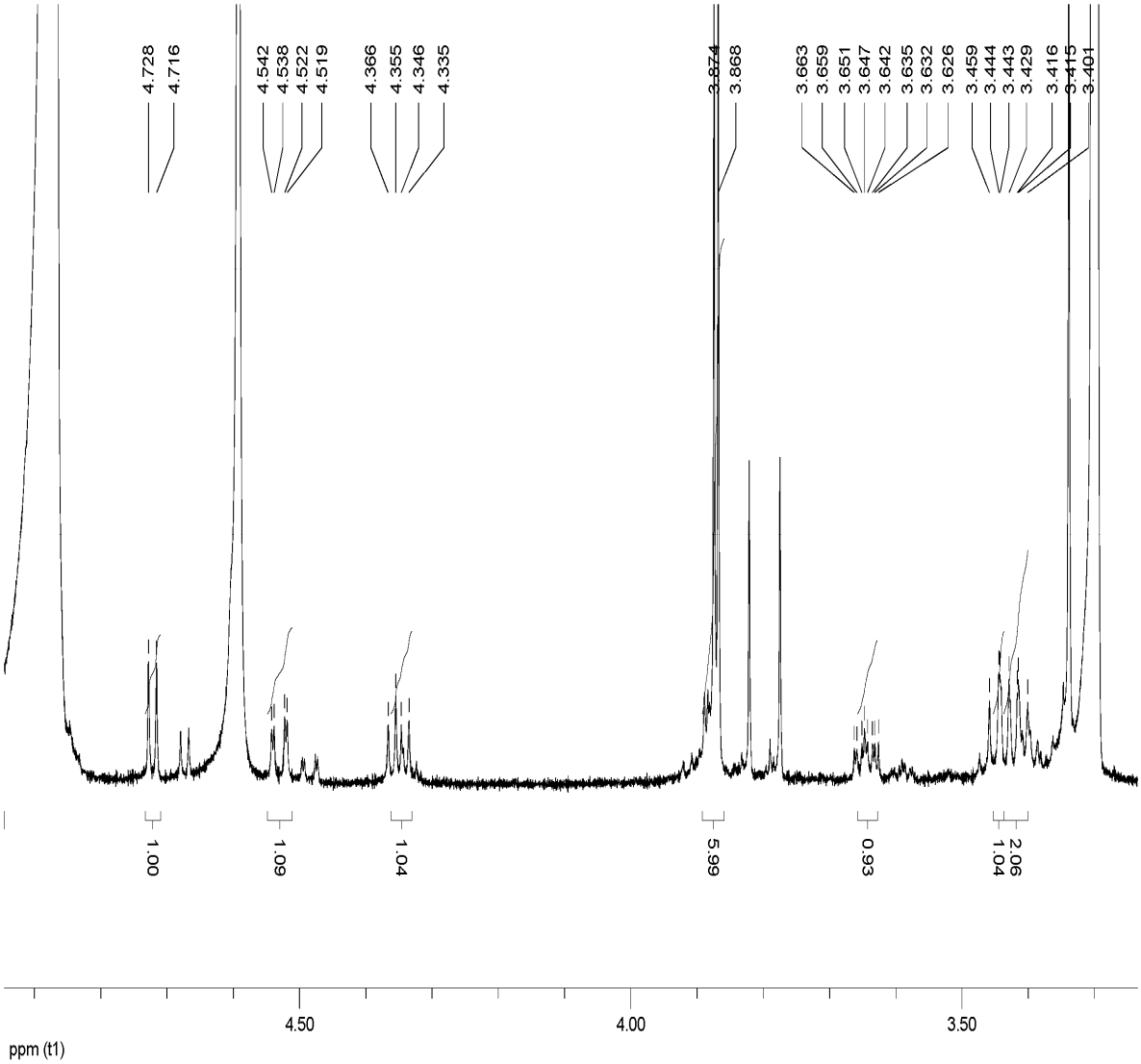
S19: HR-ESI-MS Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



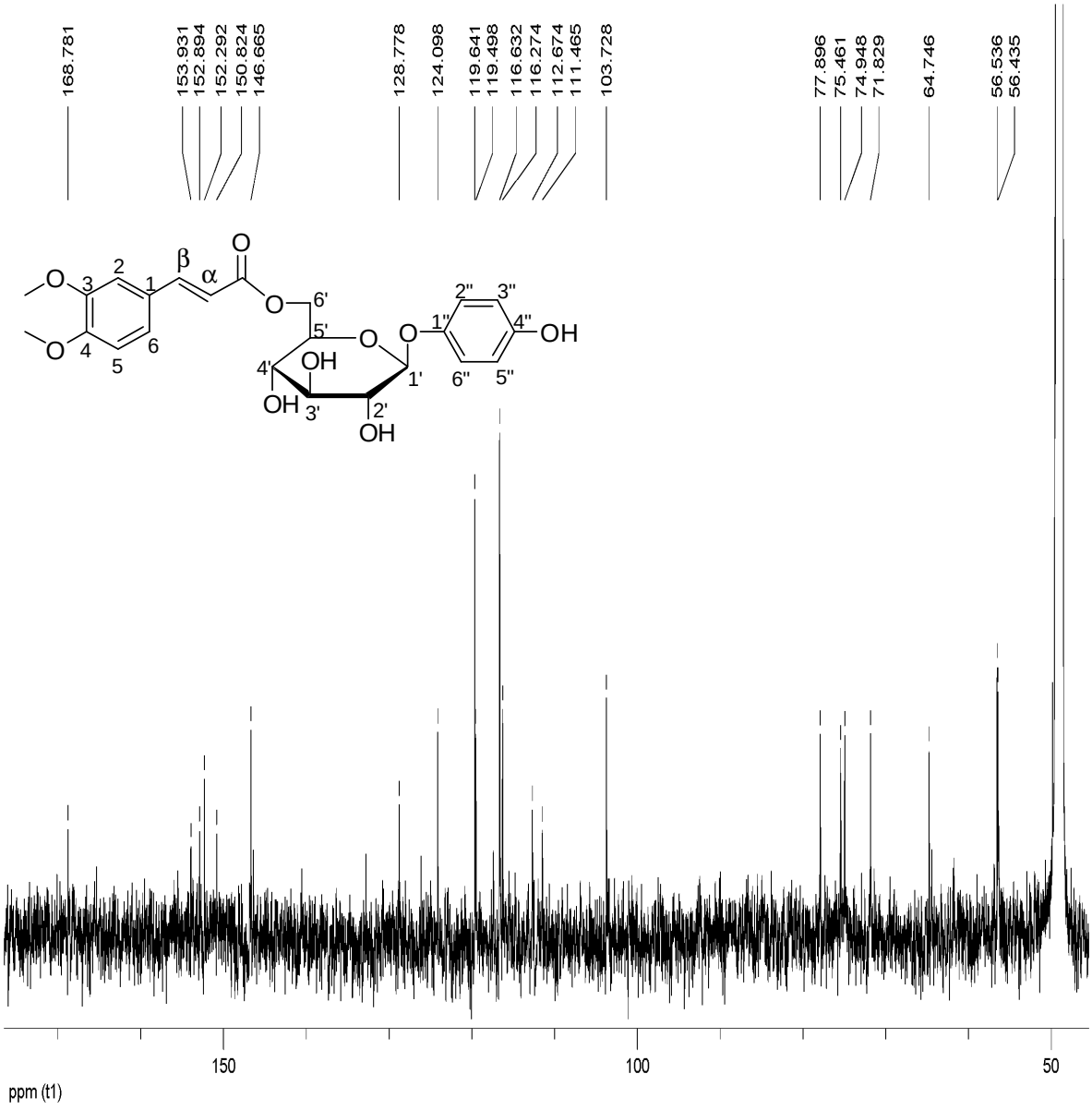
S20: ^{1}H-NMR (600 MHz, CD_3OD) Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



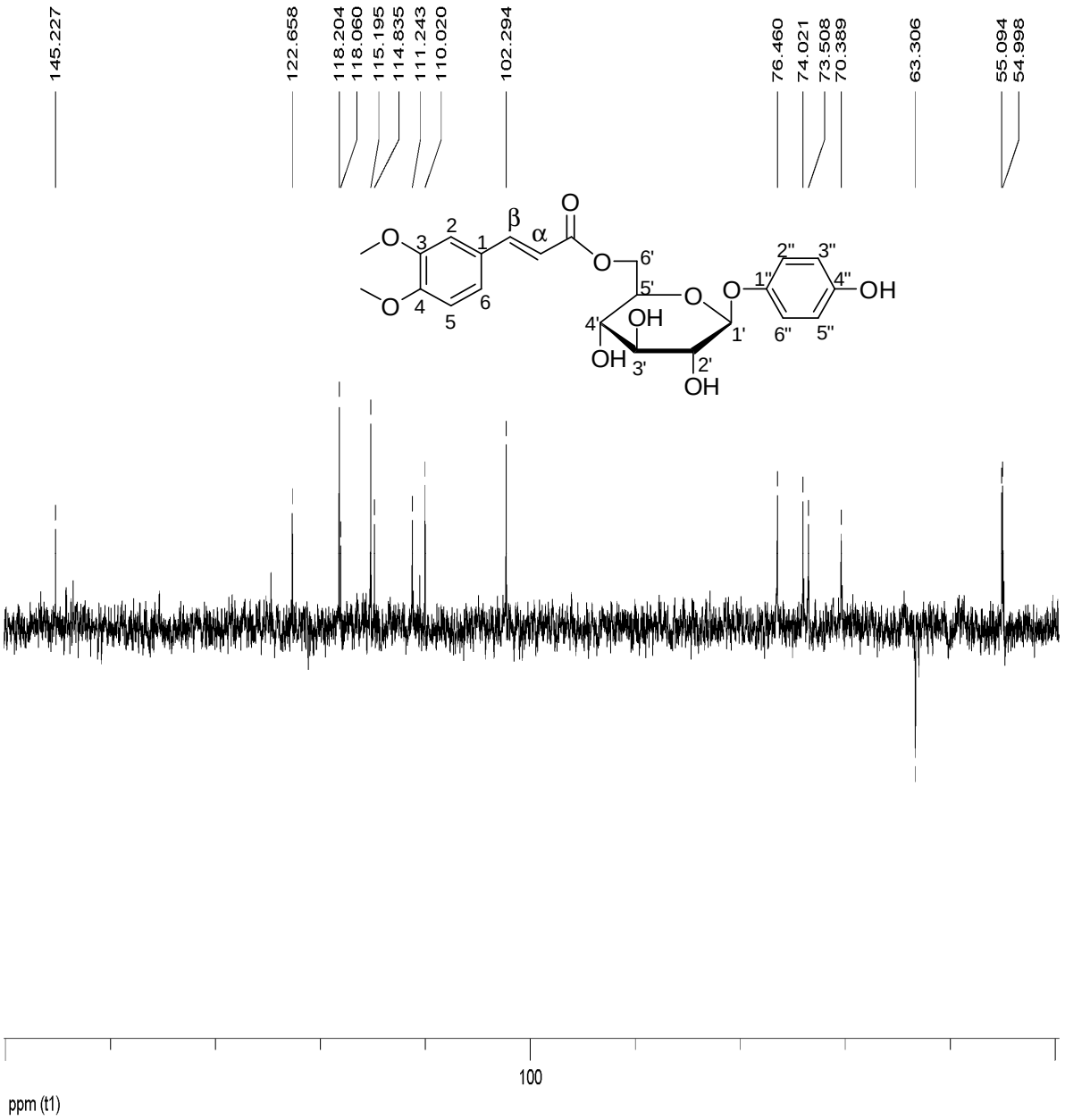
S21: Expansion of the ^{1}H-NMR Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



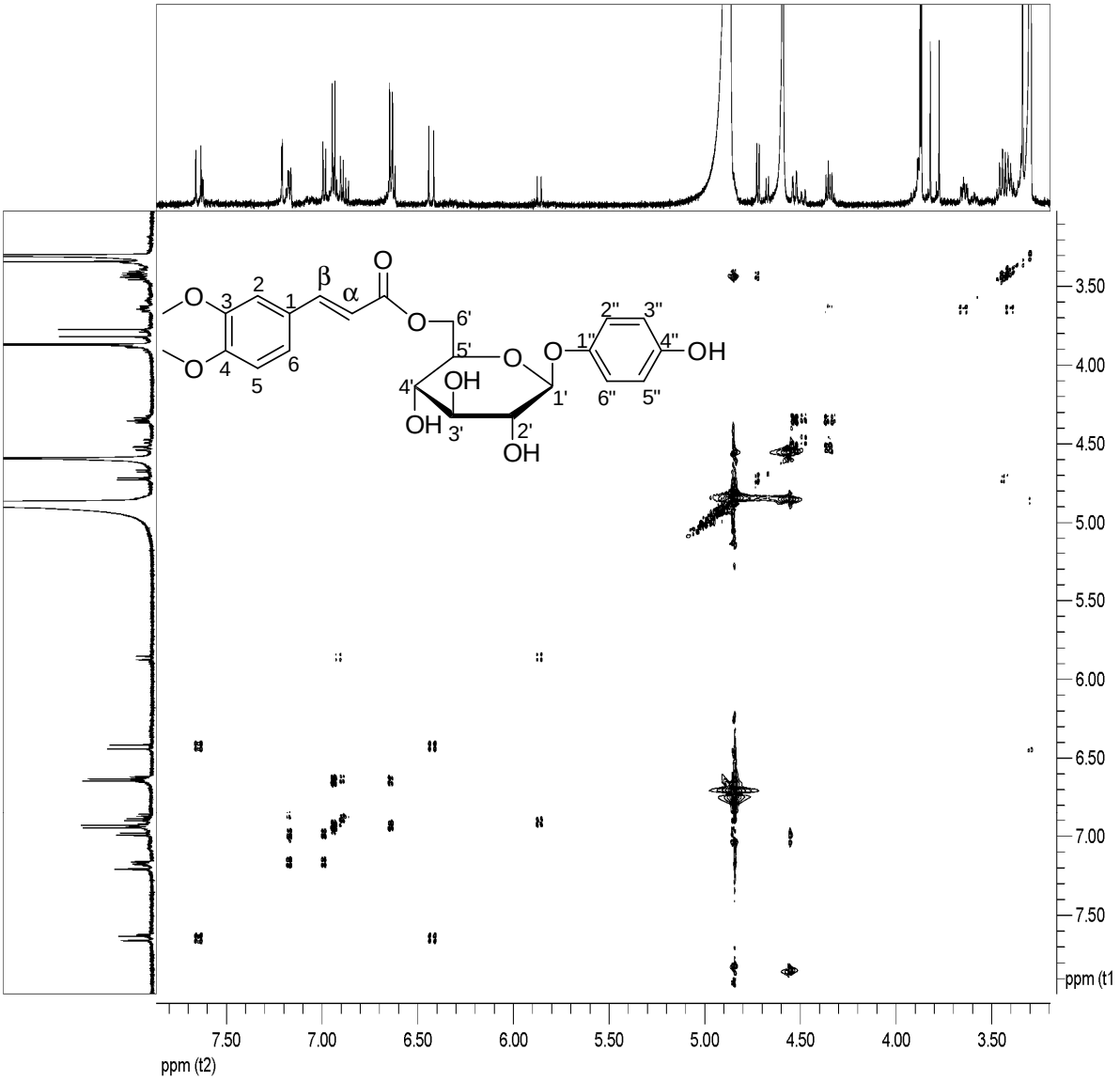
S22: Expansion of the ^{1}H-NMR Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



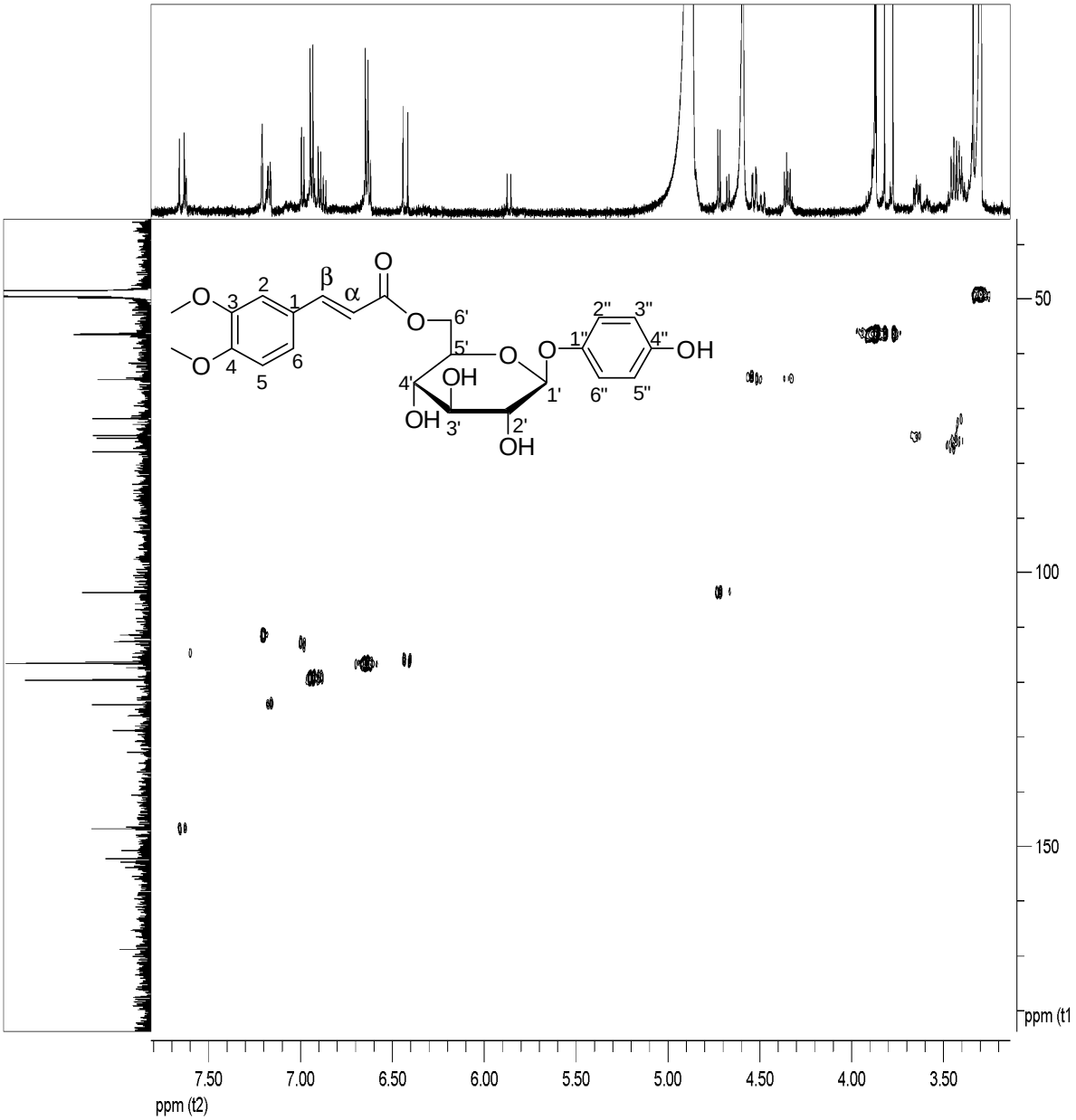
S23: ^{13}C-NMR (150 MHz, CD_3OD) Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



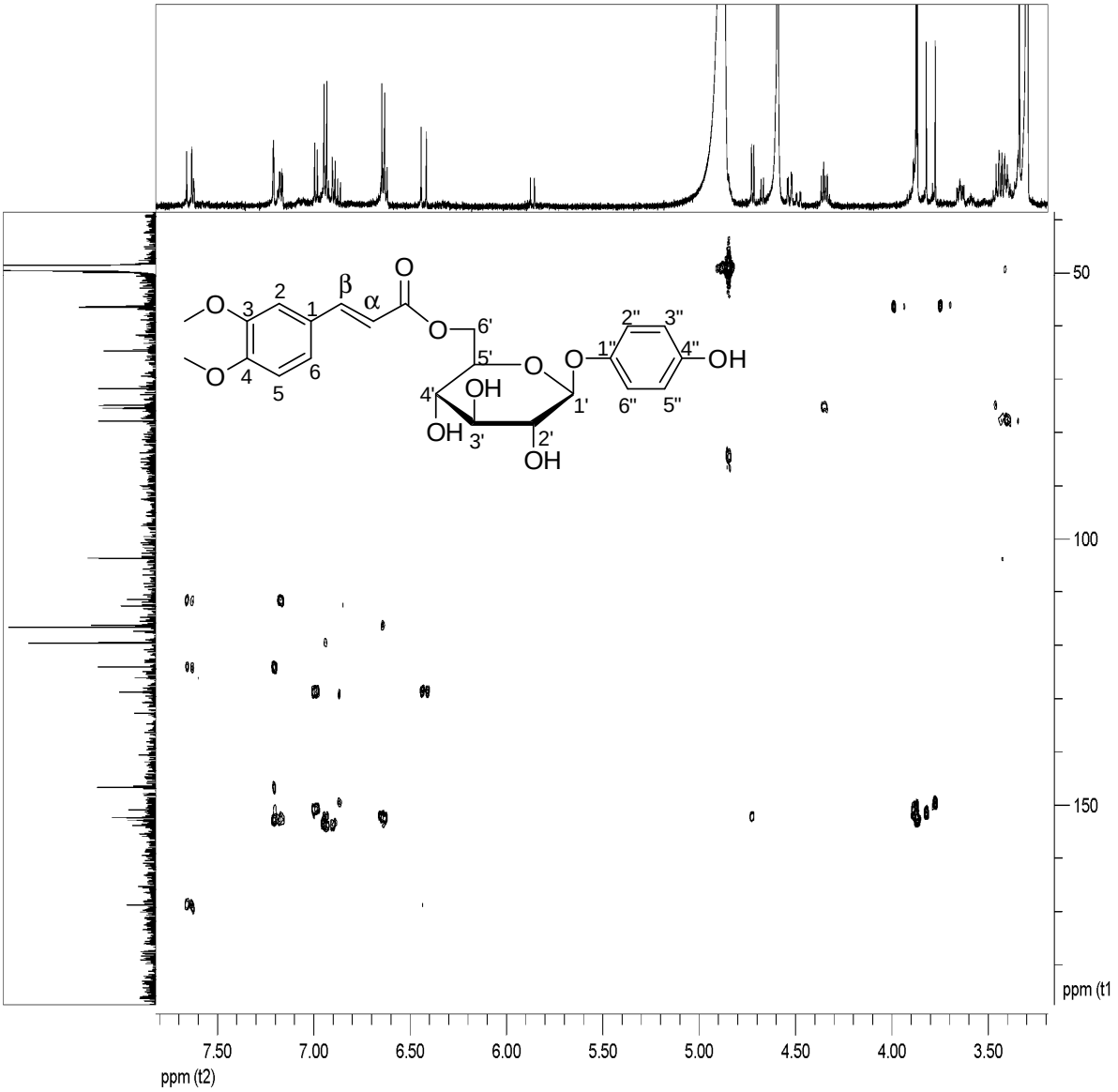
S24: DEPT (150 MHz, CD_3OD) Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



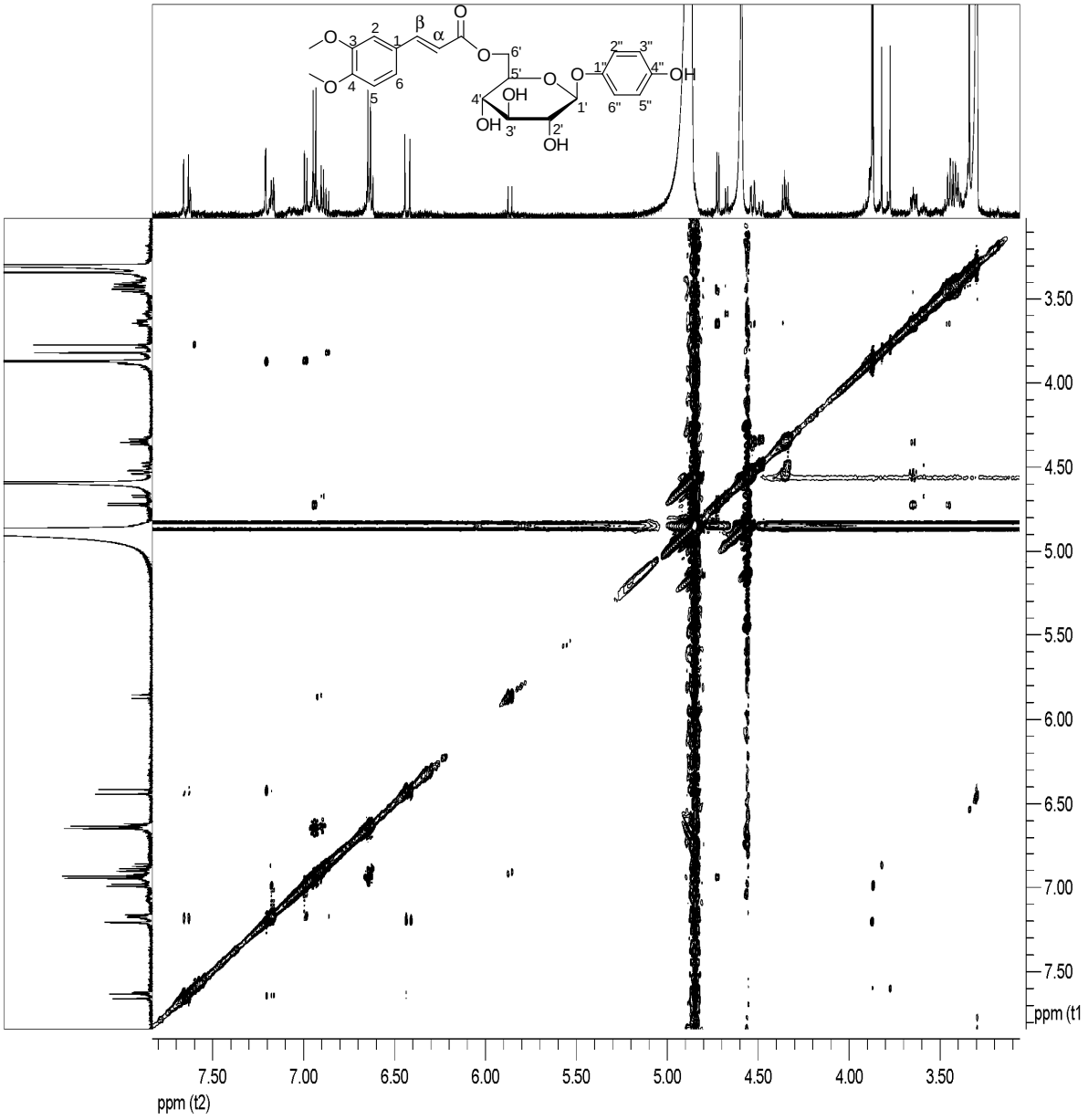
S25: H-HCOSY (600 MHz, CD_3OD) Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



S26: HSQC (600 MHz, CD_3OD) Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



S27: HMBC (600 MHz, CD_3OD) Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)



S28: NOESY (600 MHz, CD_3OD) Spectrum of Compound **4** (6'-*O*-(3,4-dimethoxycinnamoyl)-arbutin)