

Supporting Information

Bioactive phenolic compounds from *Peperomia obtusifolia*

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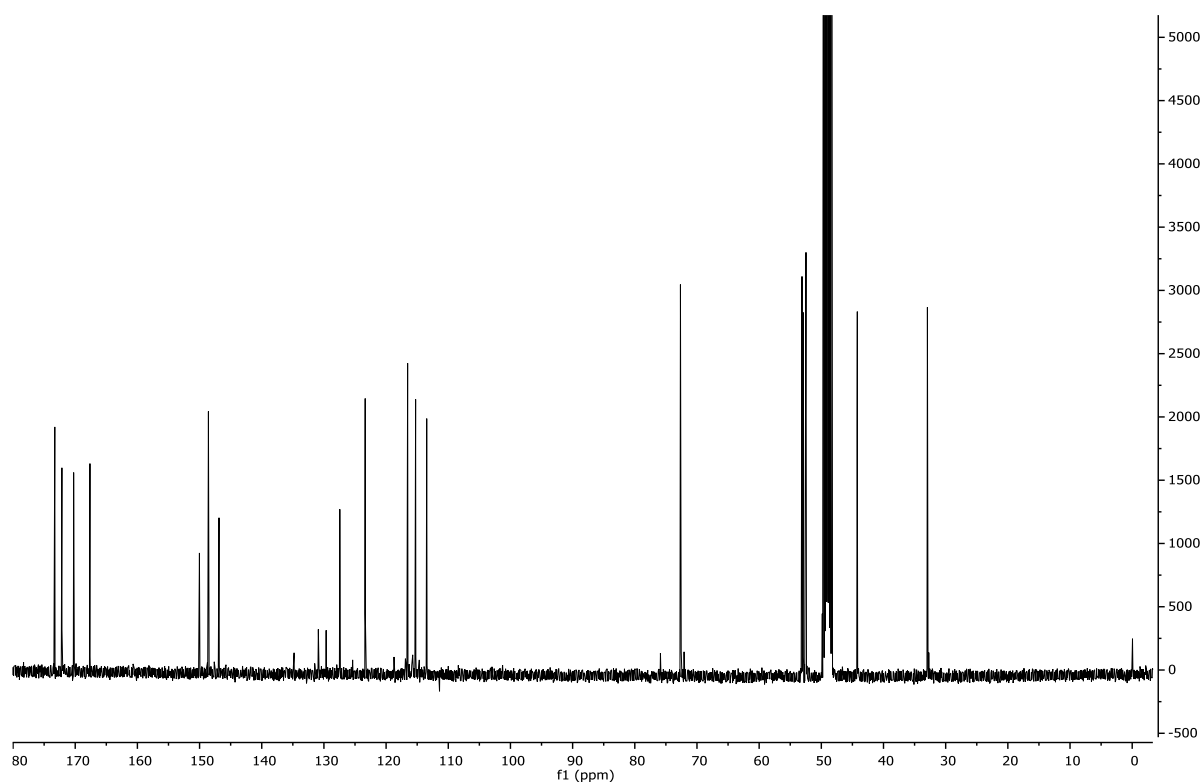
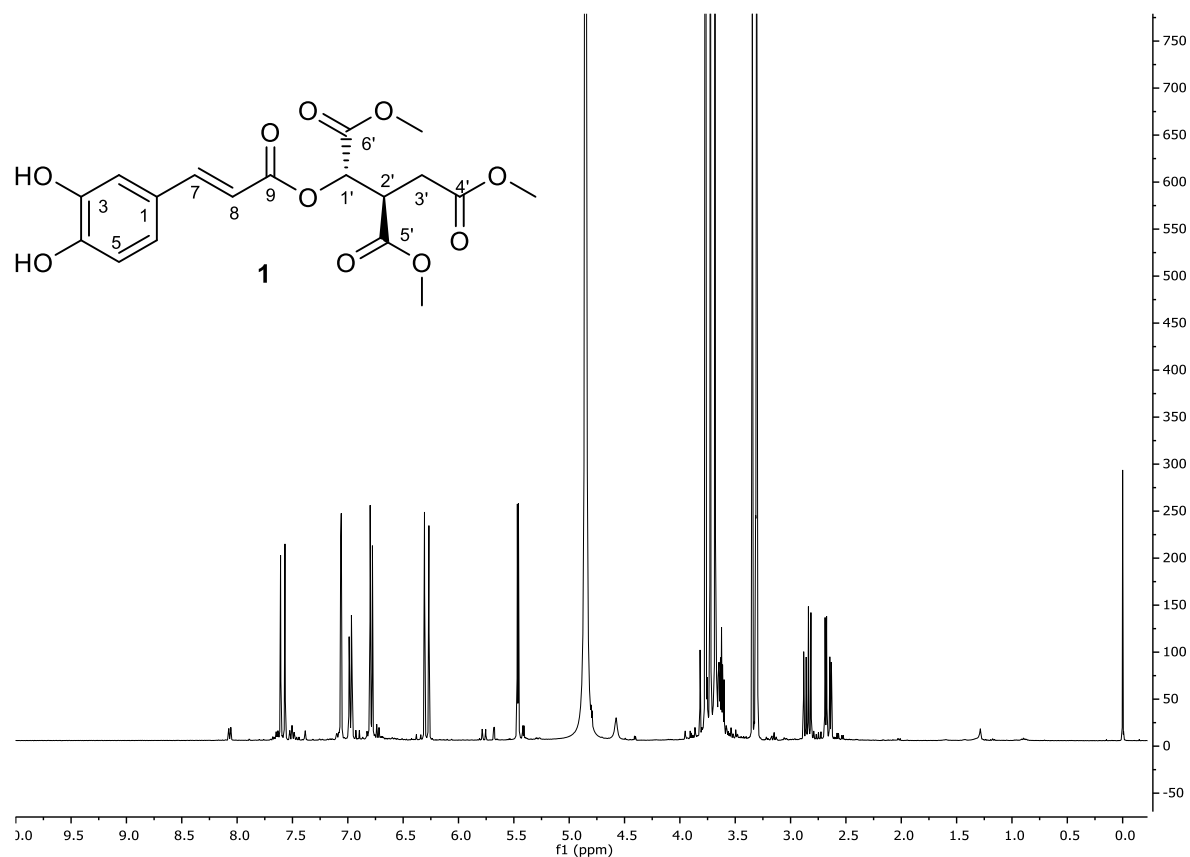
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Trimethyl (1*S*,2*R*)-1-(((*E*)-3-(3,4-dihydroxy phenyl)acryloyl)oxy)propane-1,2,3-tricarboxylate (peperomic ester, **1**)



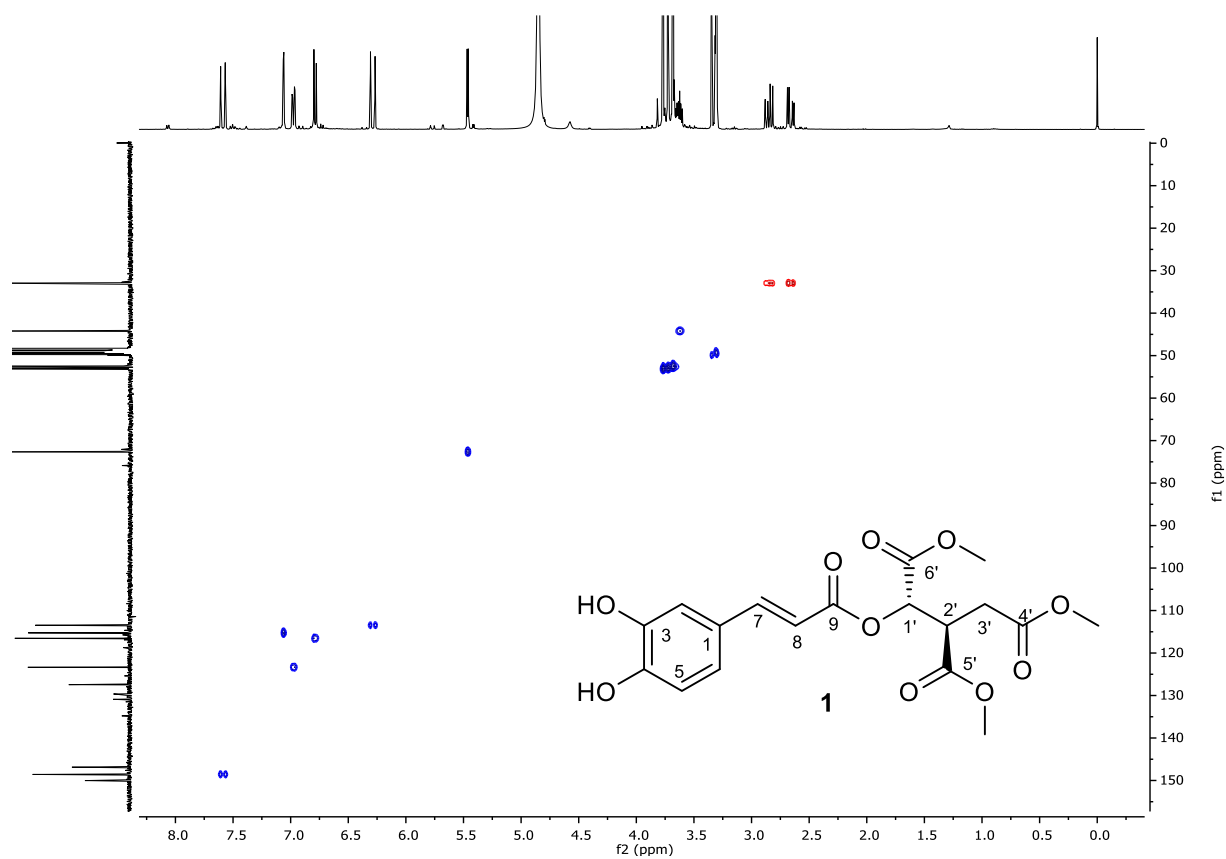


Figure S3: HSQC spectrum of compound **1** (400 MHz, MeOH-*d*₄).

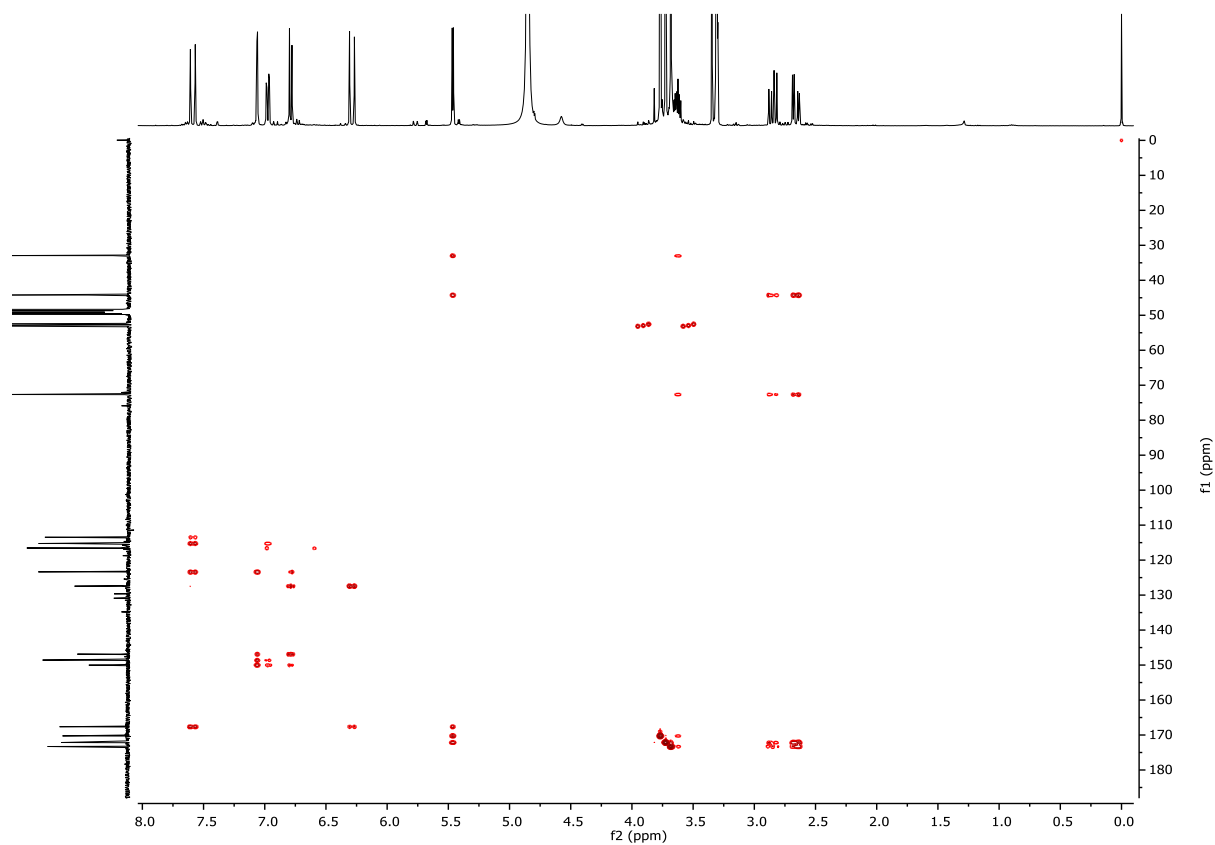


Figure S4: HMBC spectrum of compound **1** (400 MHz, MeOH-*d*₄).

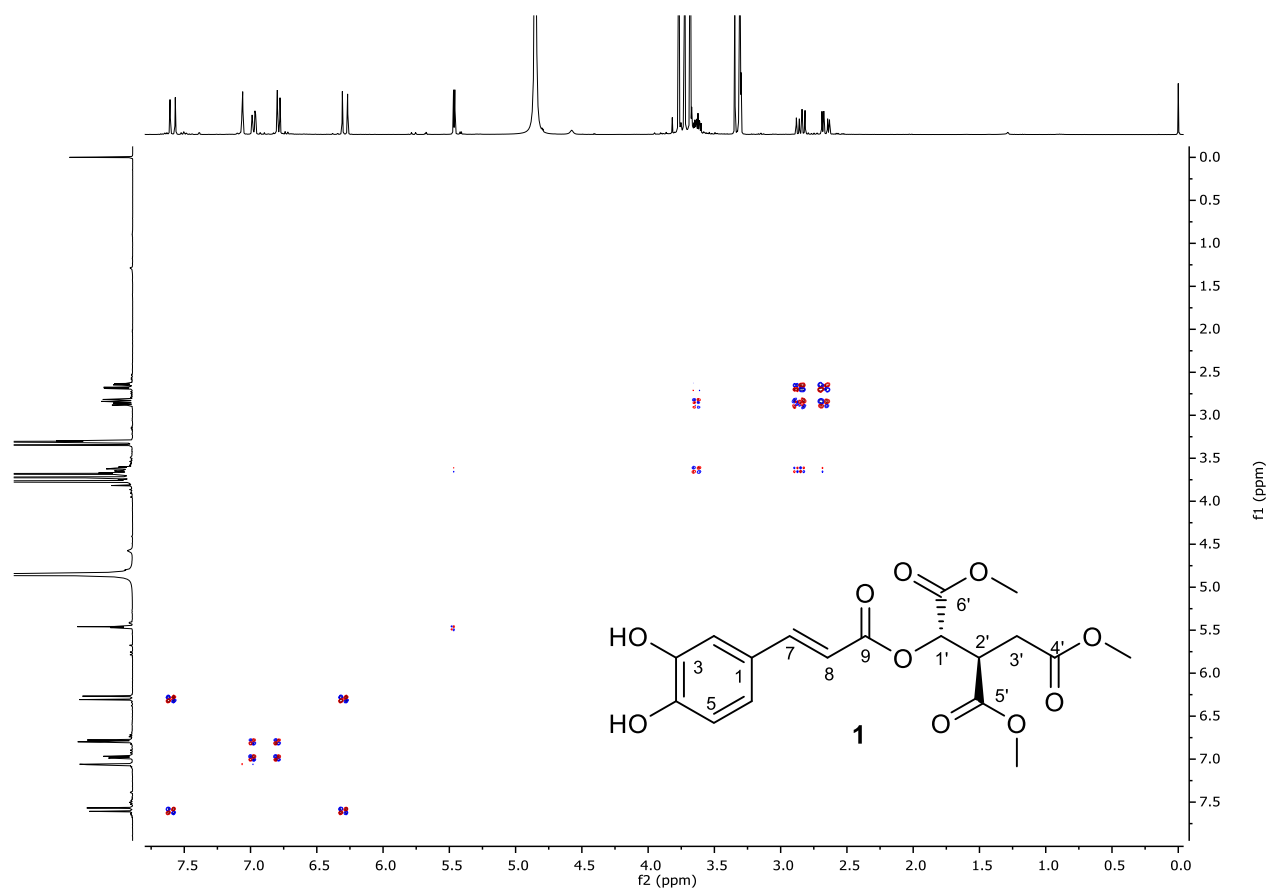


Figure S5: ^1H - ^1H COSY spectrum of compound **1** (400 MHz, $\text{MeOH-}d_4$).

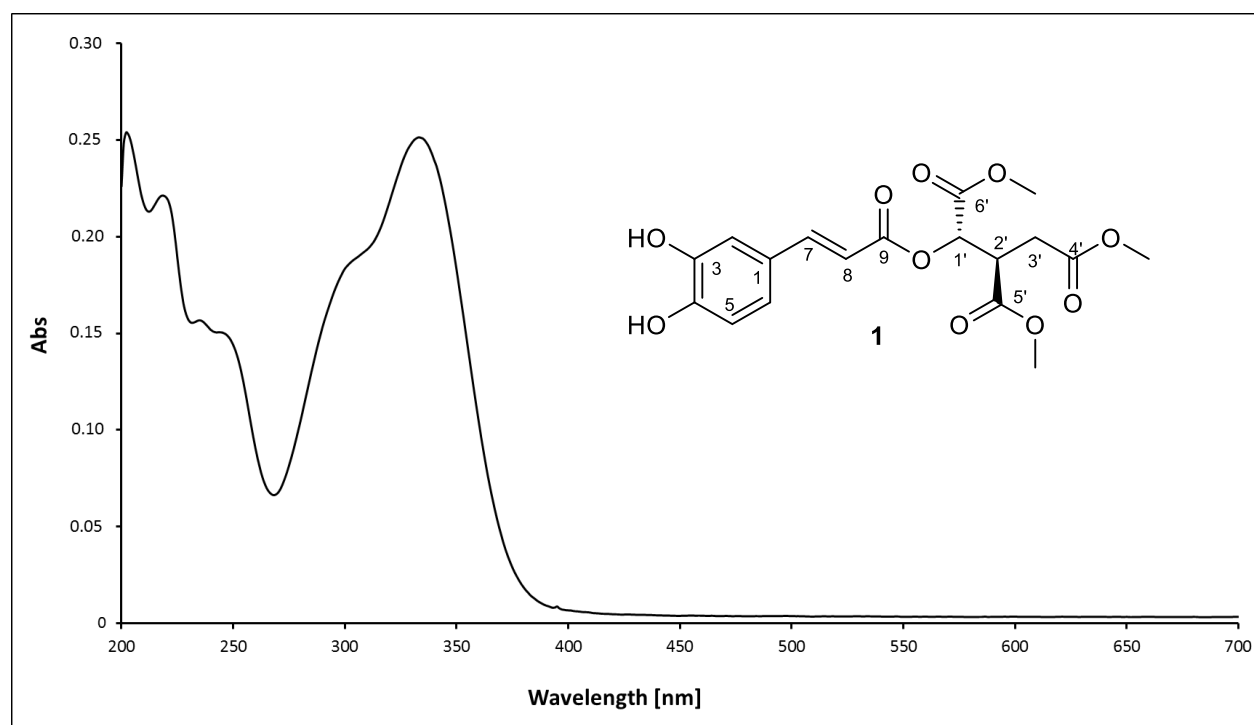


Figure S6: UV spectrum of compound **1** in MeOH.

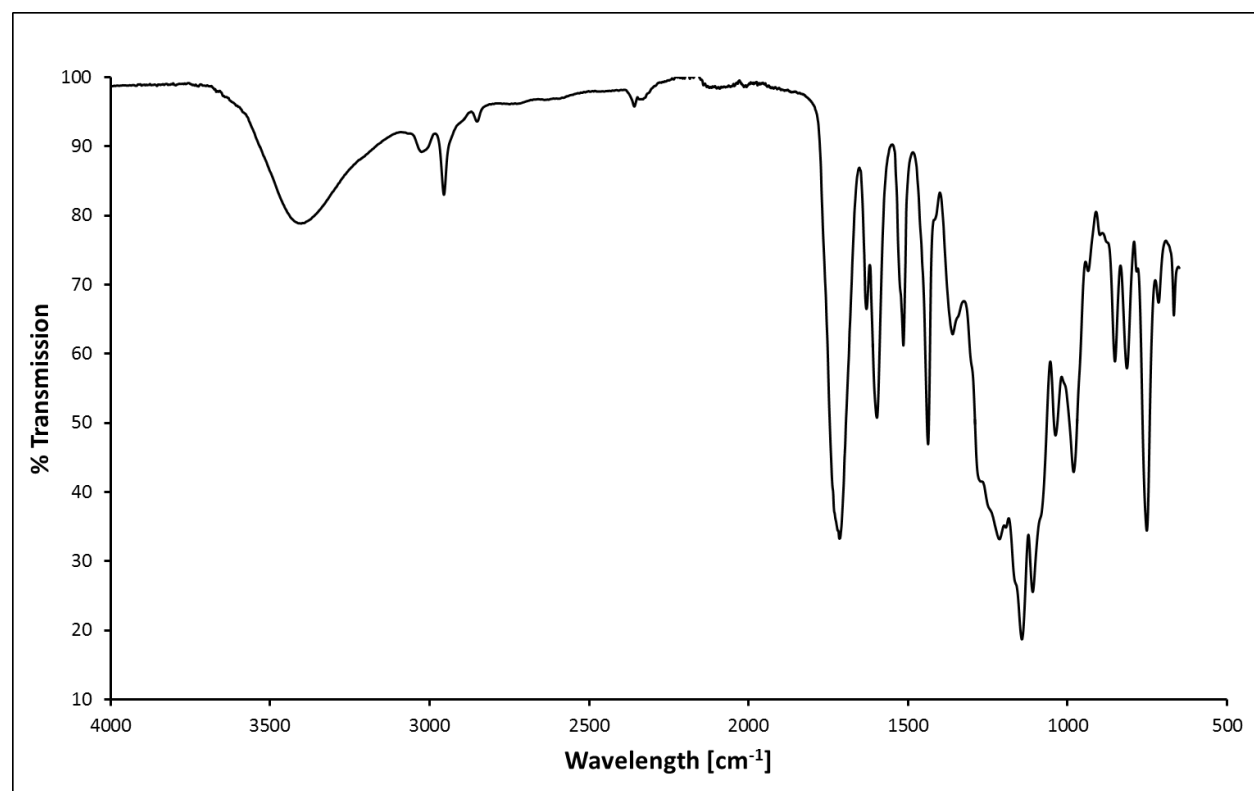


Figure S7: IR spectrum of compound **1** in MeOH.

ISW013_f3d1_neg #16 RT: 0.06 AV: 1 NL: 6.68E7
T: FTMS - p ESI Full ms [110.00-2000.00]

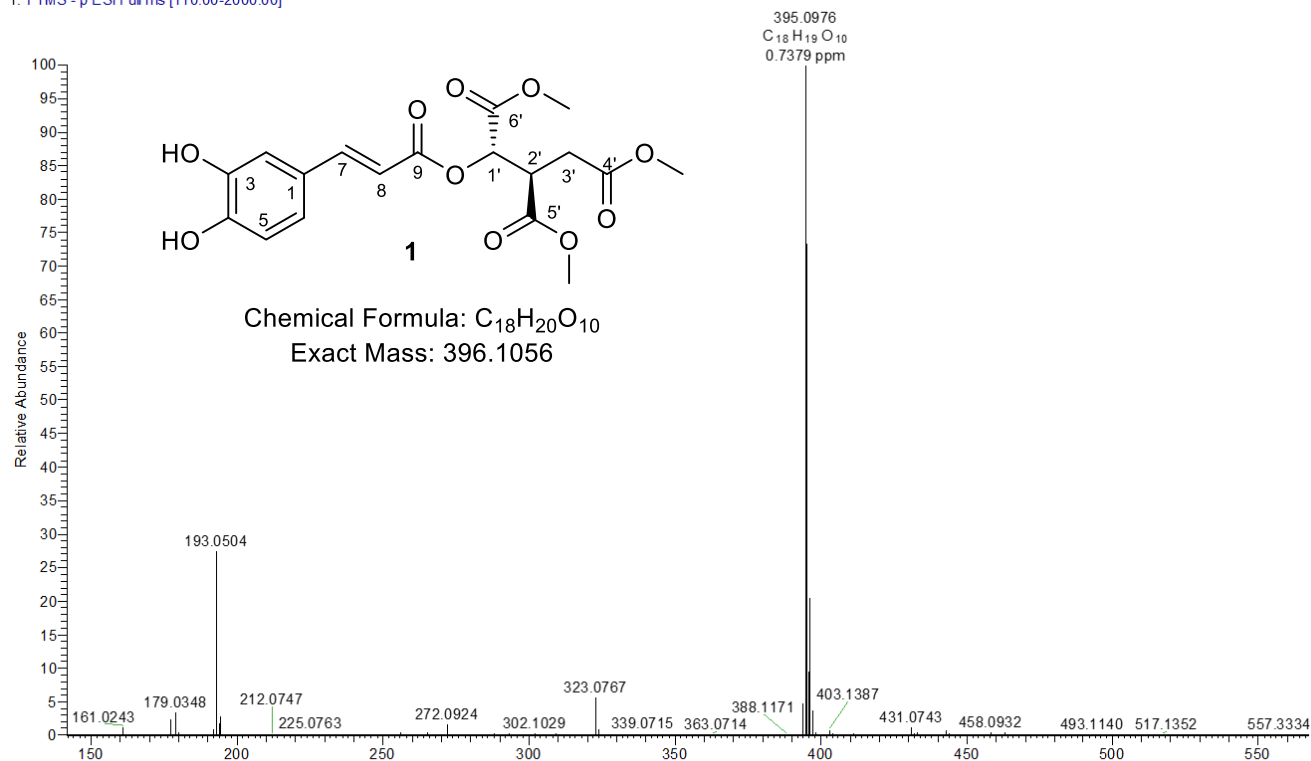


Figure S8: ESI-HRMS spectrum of compound 1 in negative ion mode.

Spectrum from 20210813_ISW010_MS2_395_neg.wiff (sample 1) - 20210813_ISW010_MS2_395_neg. Experiment 2, -TOF MS² (CE=-15) of 395.1 (50 - 500) from 5.776 min

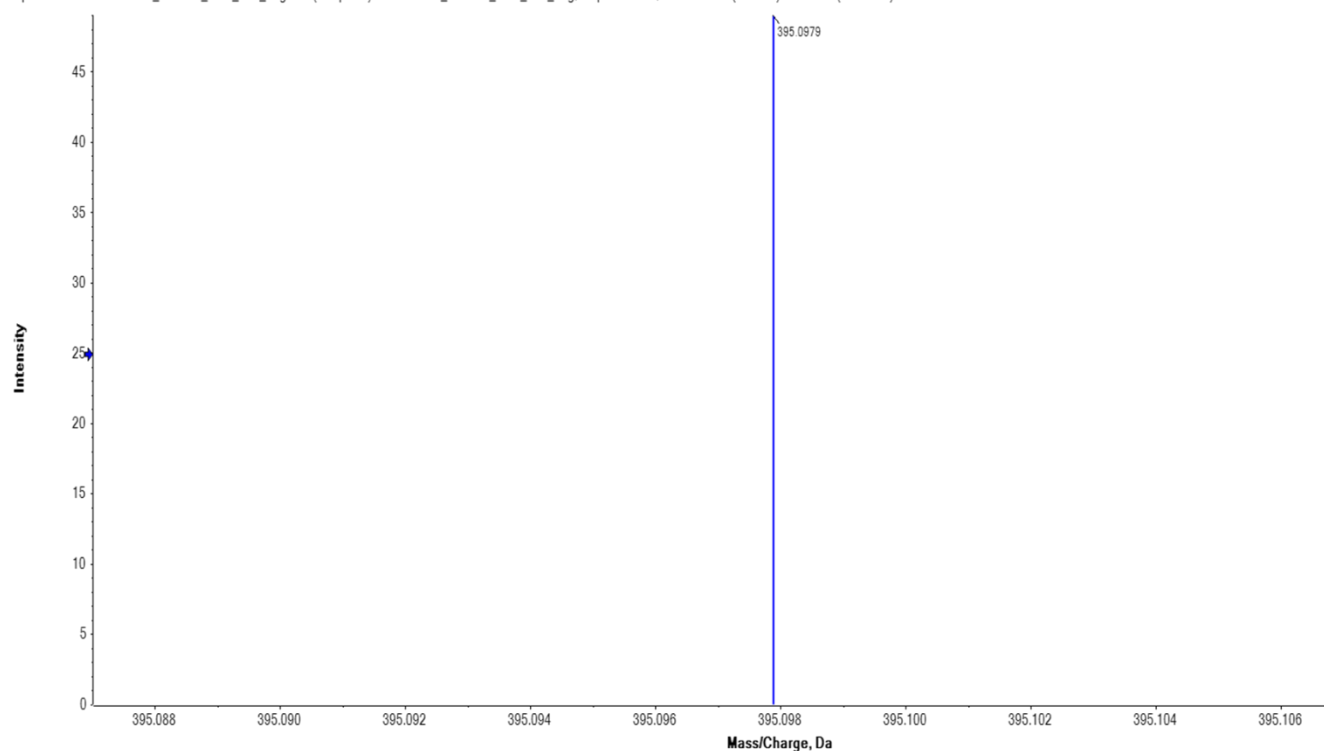


Figure S9: HRMS spectrum from ethanol extract of *P. obtusifolia* with selected molecular ion of m/z 395.0979 $[M-H]^-$ (1).

Table S1: Polarimeter data of compound **1**.

Light Source	WI
Wavelength	589 nm
Sample Aperture	Ø 3.0
Light Aperture	Ø 1.0
D.I.T.	5 sec
Cycle Times	20
Cycle Interval	5 sec
Path Length	100 mm
Concentration	0.1545 W/V%
Factor	1.0000
Temp. Correct	0
Sample	ISW013_f3d1
Comment	3.09 mg / 2 ml Methanol
Optical Rotation	
Average	-0.0180 deg
S.D.	0.0004 deg
R.S.D.	2.2603 %
Specific O.R.	
Average	-11.6634
S.D.	0.2636
Temperatur	21.9° C

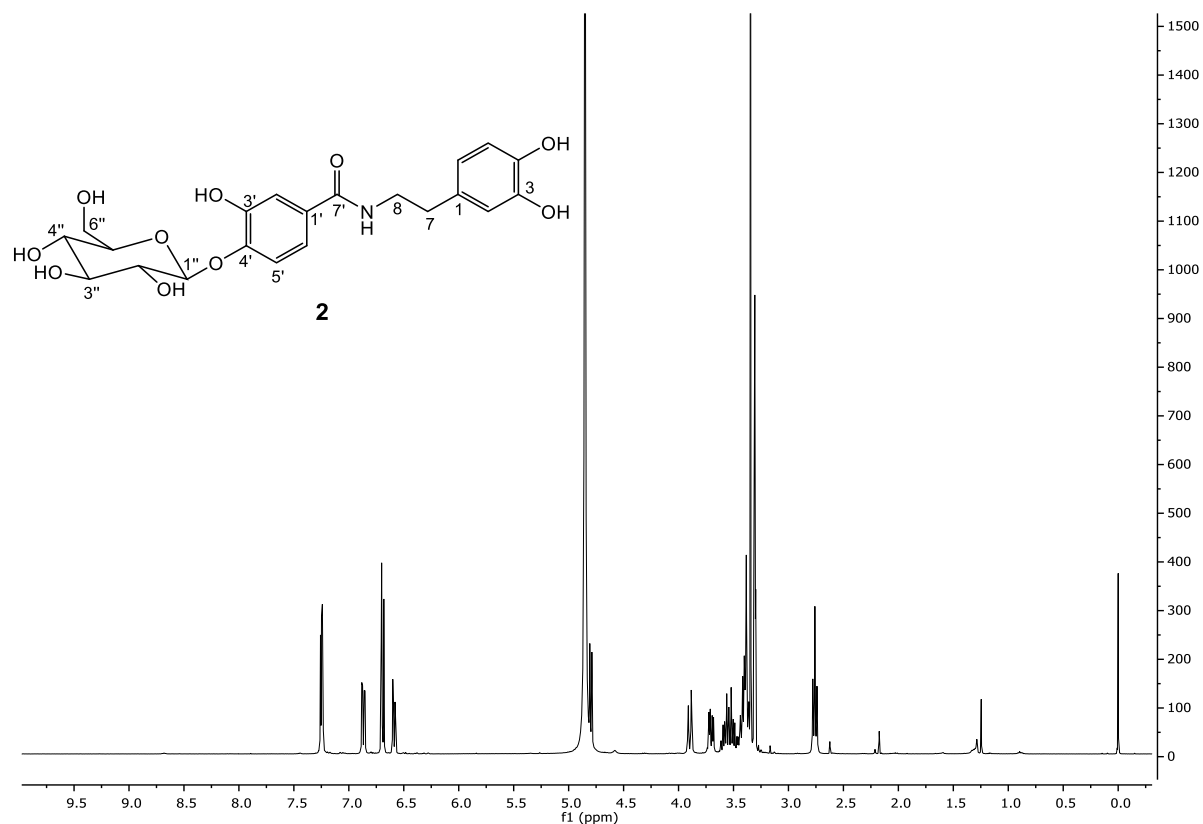
N-[2-(3,4-dihydroxyphenyl)ethyl]-3,4-dihydroxybenzamide 4'-O- β -D-glucoside (peperoside, **2**)

Figure S10: ^1H NMR spectrum of compound **2** (400 MHz, $\text{MeOH-}d_4$).

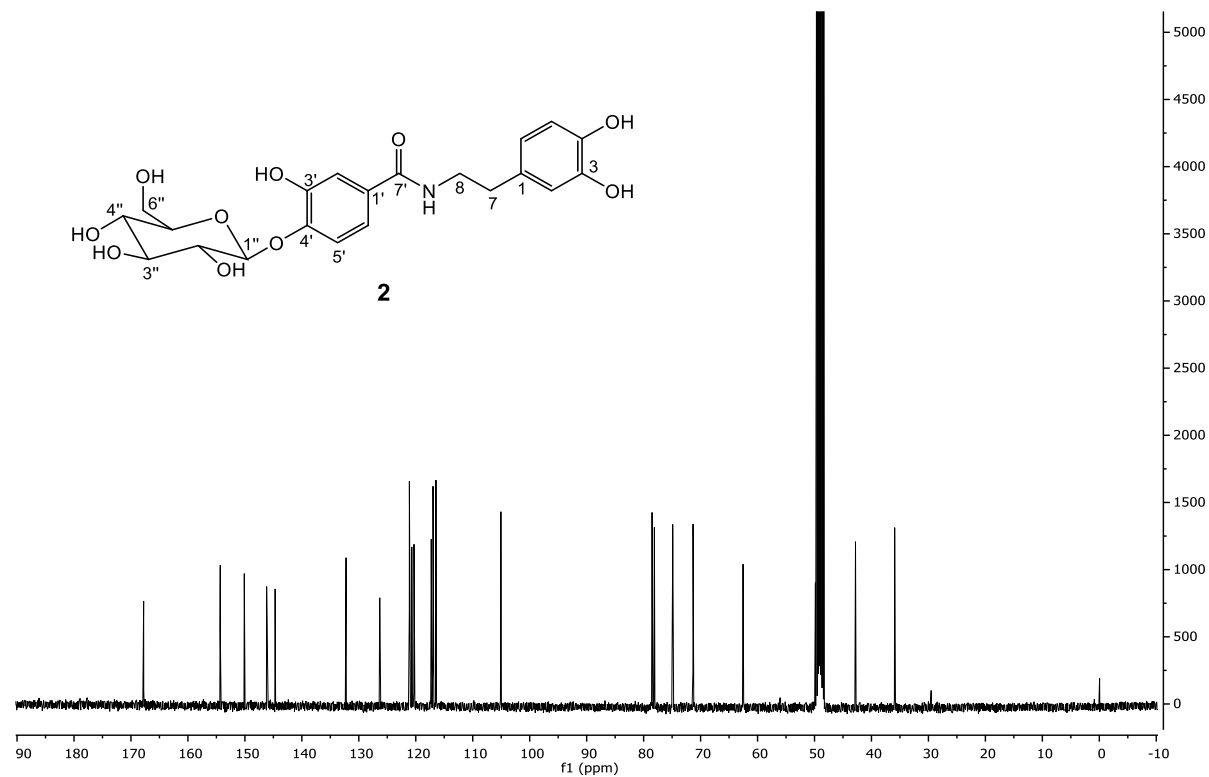


Figure S11: ^{13}C NMR spectrum of compound **2** (100 MHz, $\text{MeOH-}d_4$).

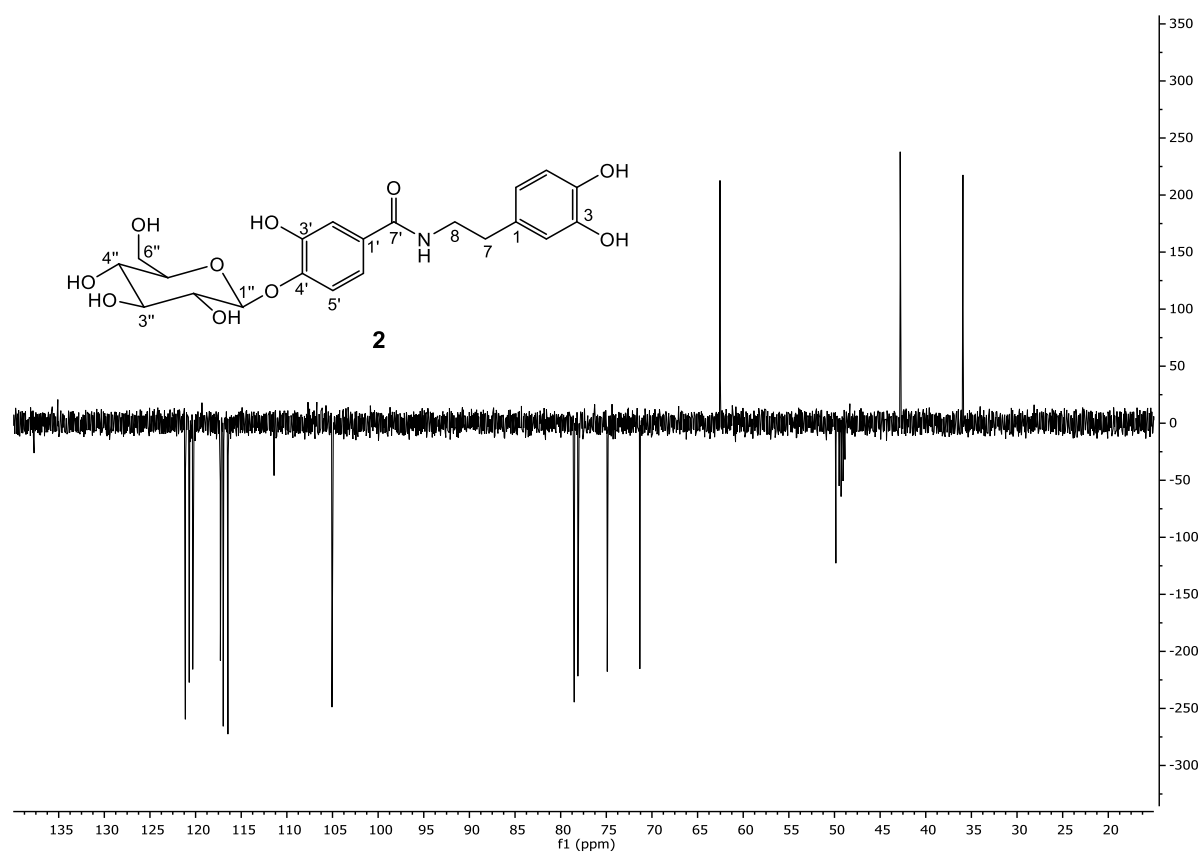


Figure S12: DEPT135 spectrum of compound **2** (100 MHz, MeOH-*d*₄).

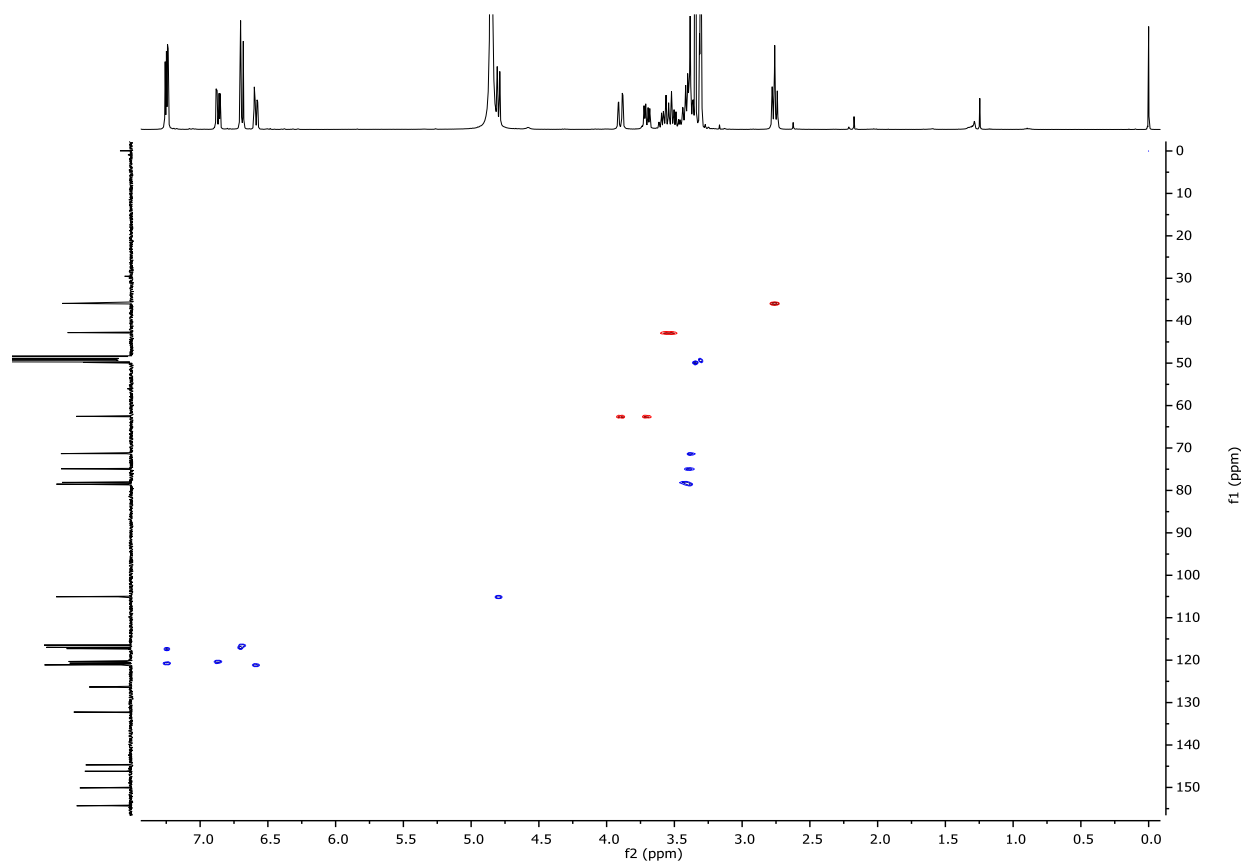


Figure S13: HSQC spectrum of compound **2** (400 MHz, MeOH-*d*₄).

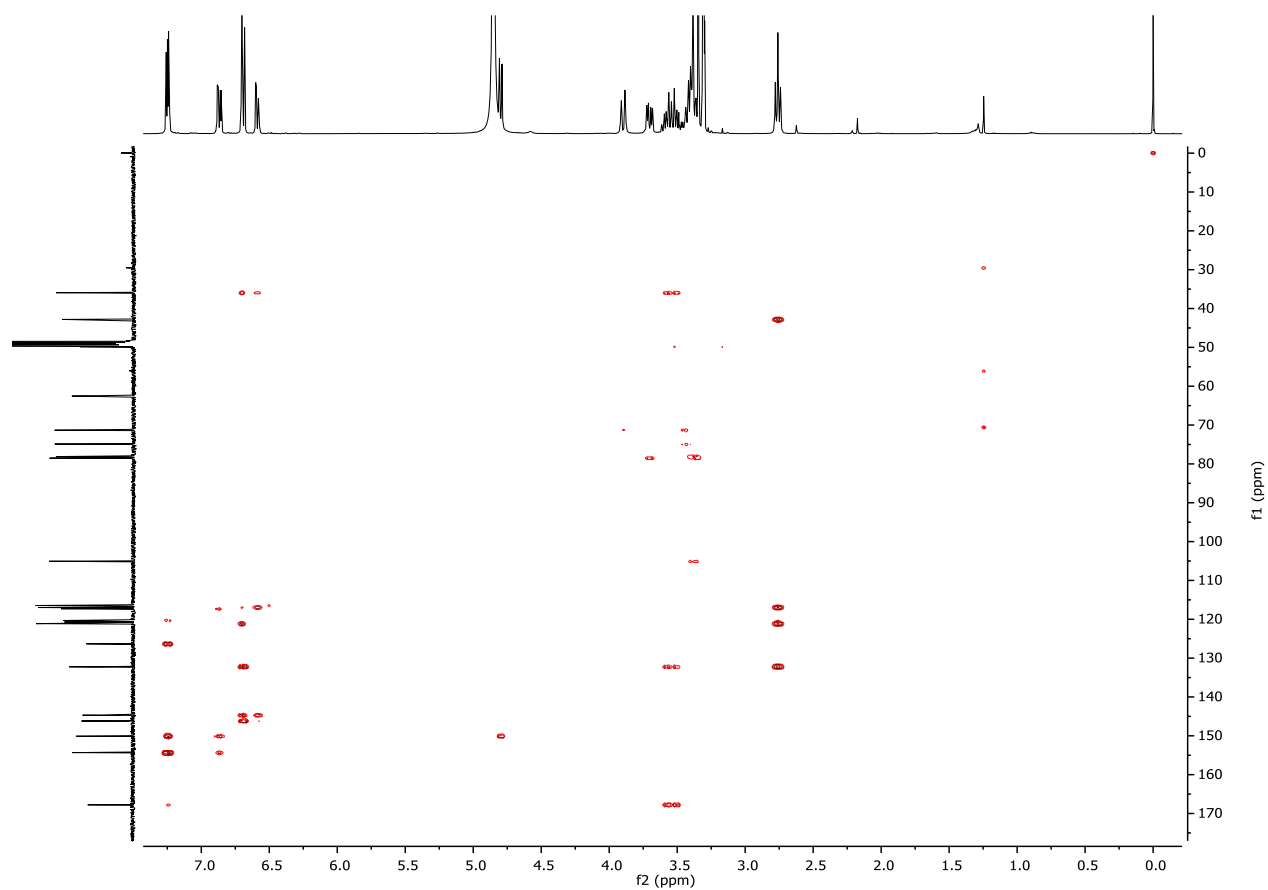


Figure S14: HMBC spectrum of compound 2 (400 MHz, MeOH-*d*₄).

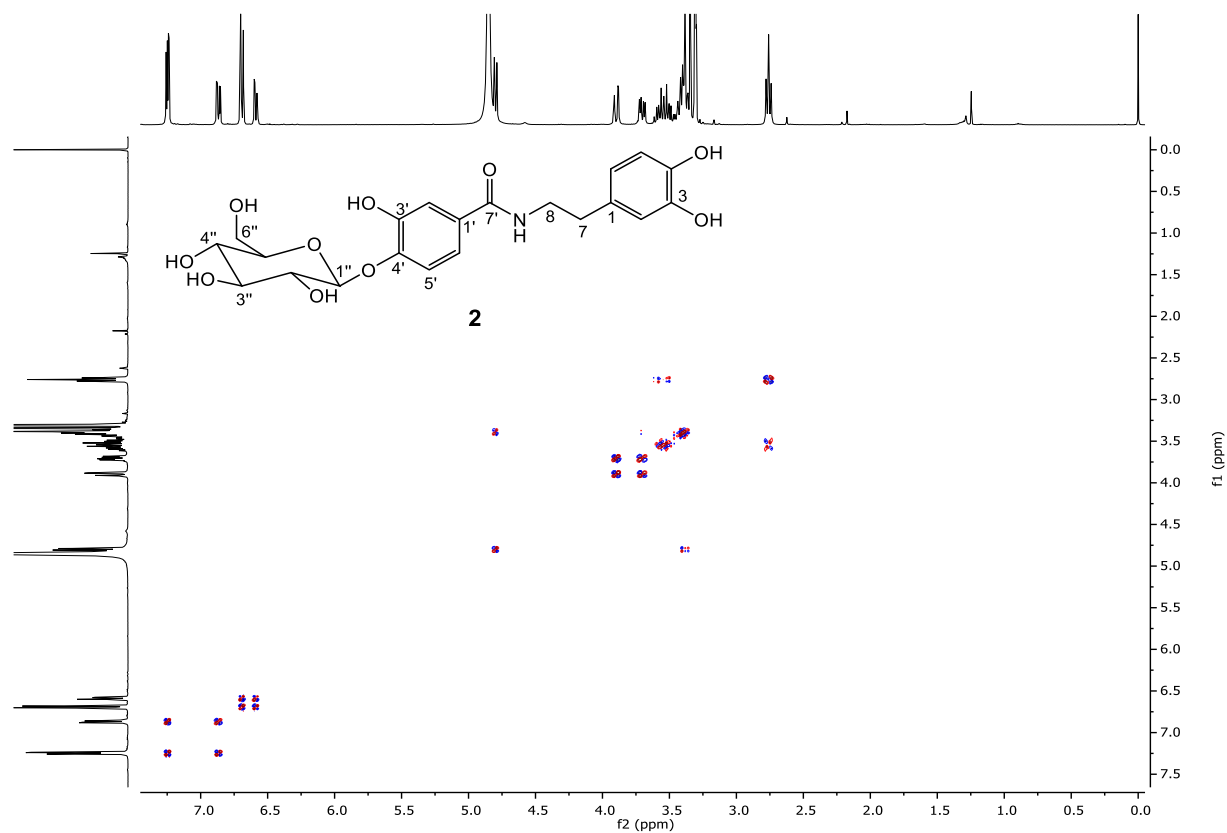


Figure S15: ¹H-¹H COSY spectrum of compound 2 (400 MHz, MeOH-*d*₄).

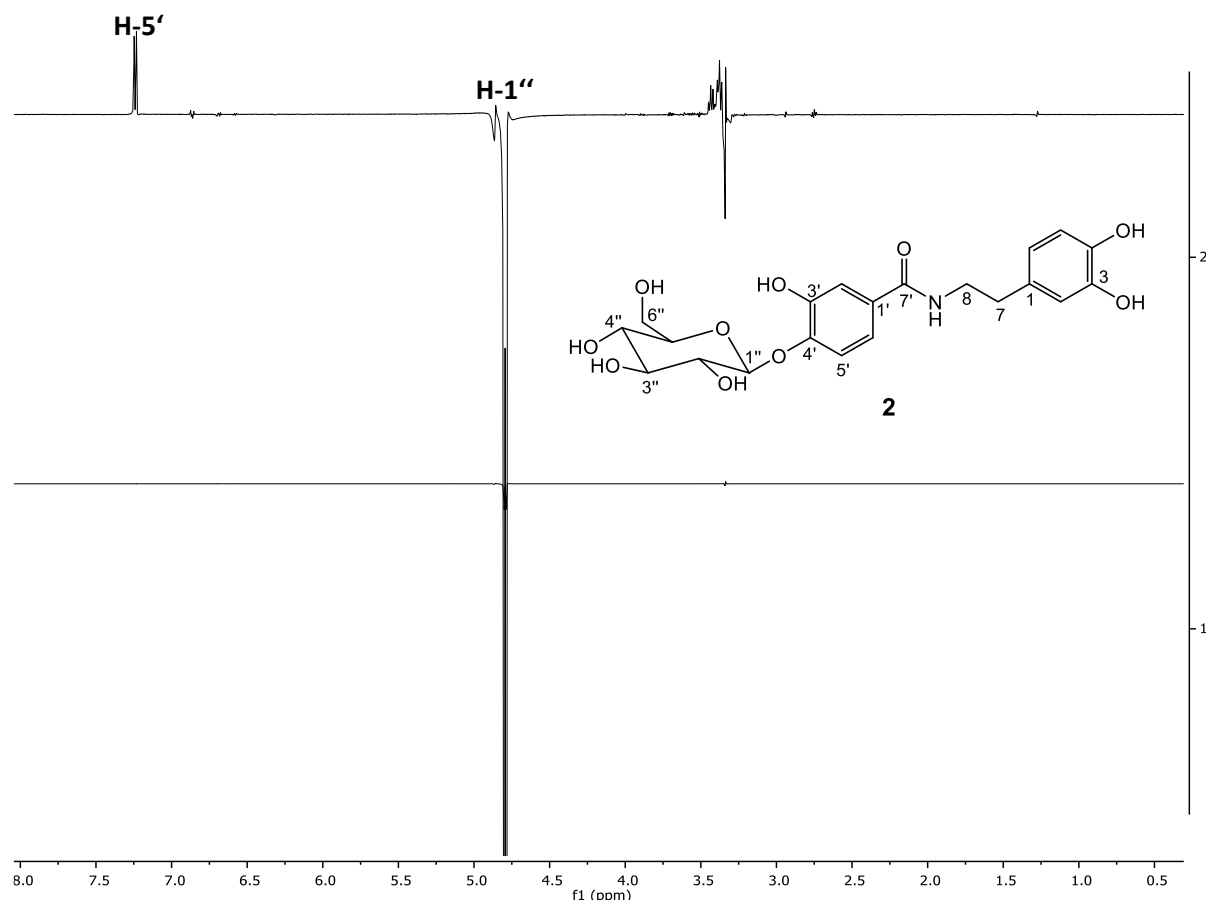


Figure S16: 1D-ROESY spectrum of compound 2 (400 MHz, MeOH-*d*₄).

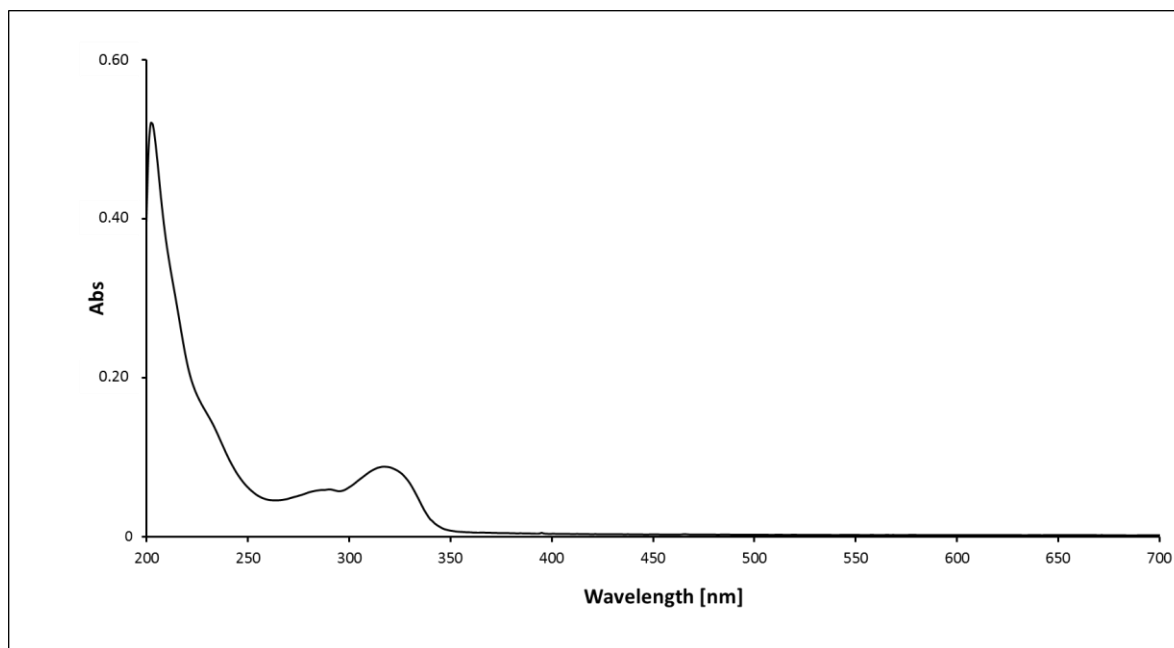


Figure S17: UV spectrum of compound 2 in MeOH.

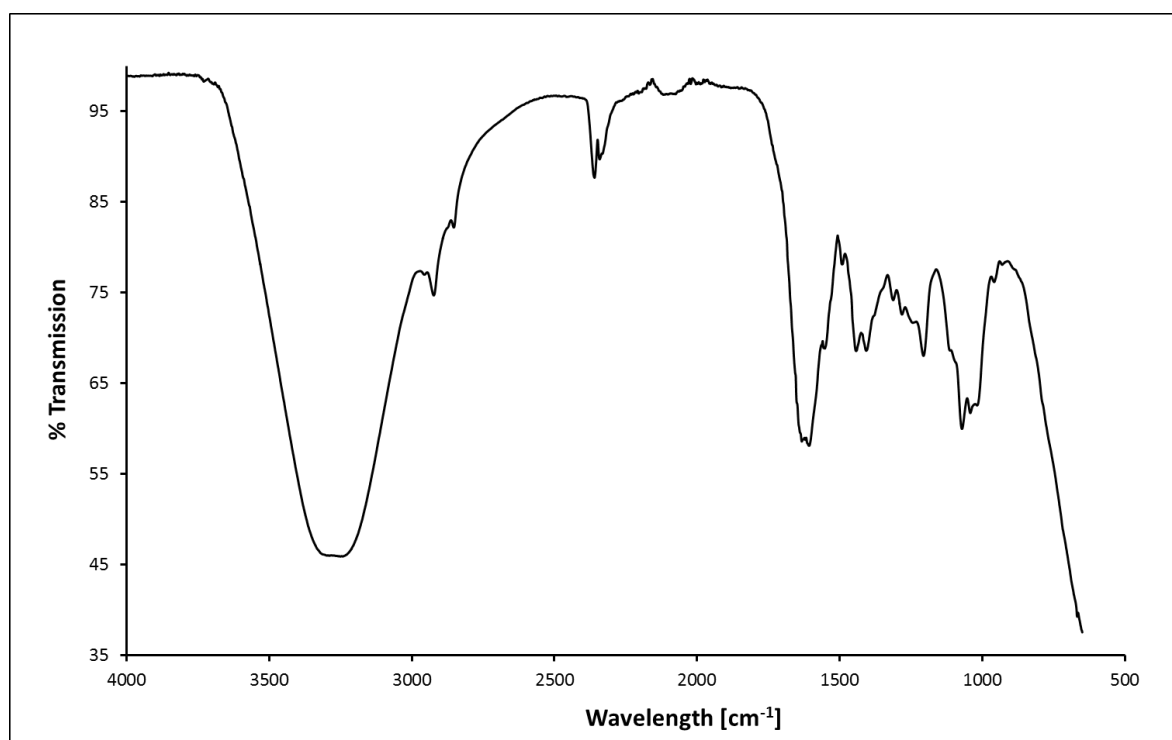


Figure S18: IR spectrum of compound **2** in MeOH.

ISW012_11_rt_9_neg #54 RT: 0.22 AV: 1 NL: 3.13E6
T: FTMS - p ESI Full ms [50.00-2000.00]

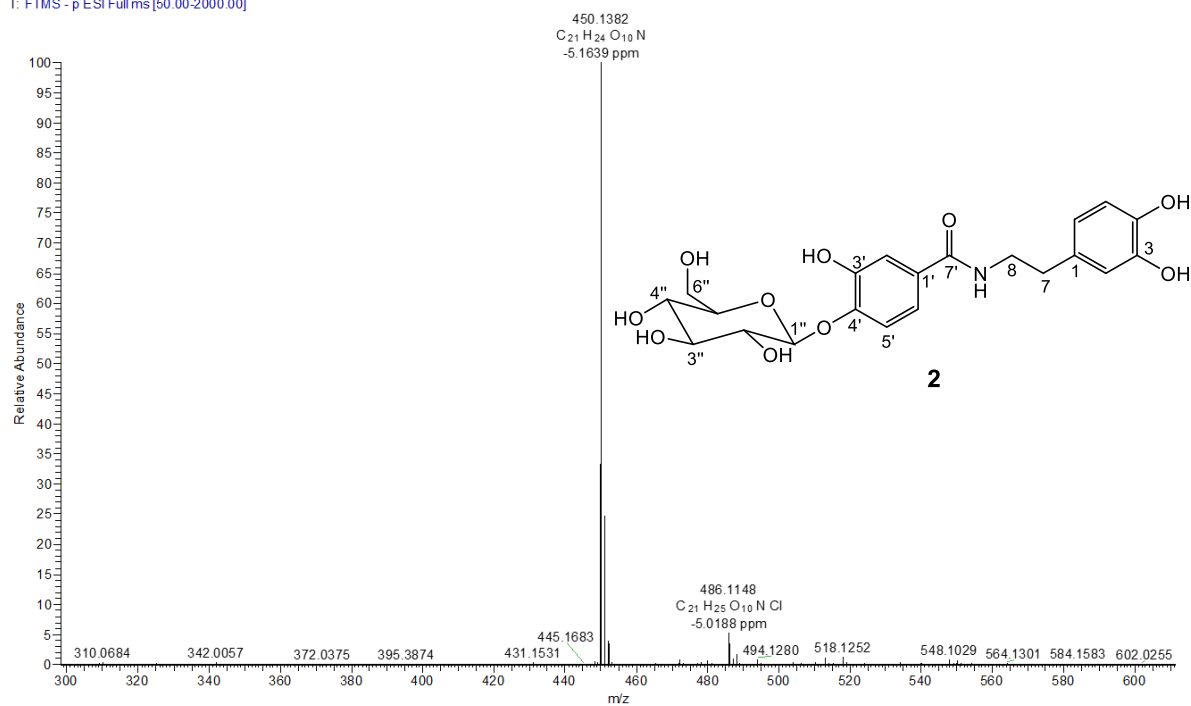


Figure S19: ESI-HRMS spectrum of compound **2** in negative ion mode.

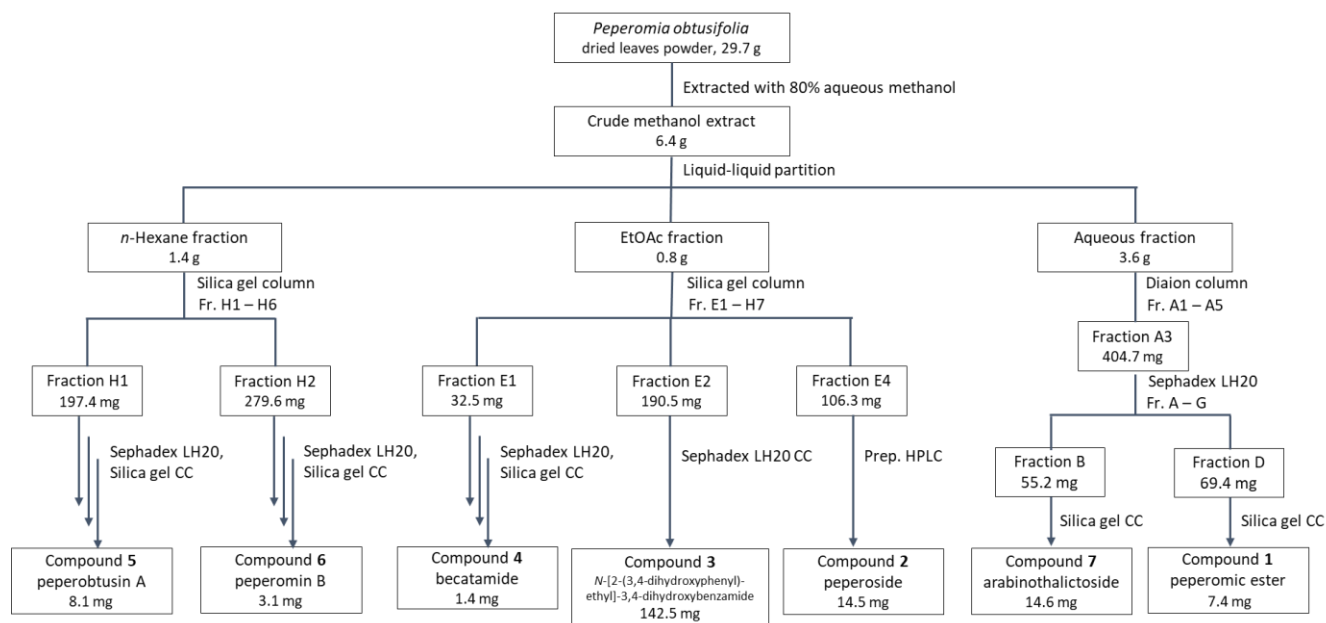


Figure S20: Isolation scheme for compounds 1-7.