# Supporting Information

# Bioactive phenolic compounds from *Peperomia obtusifolia*

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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**)

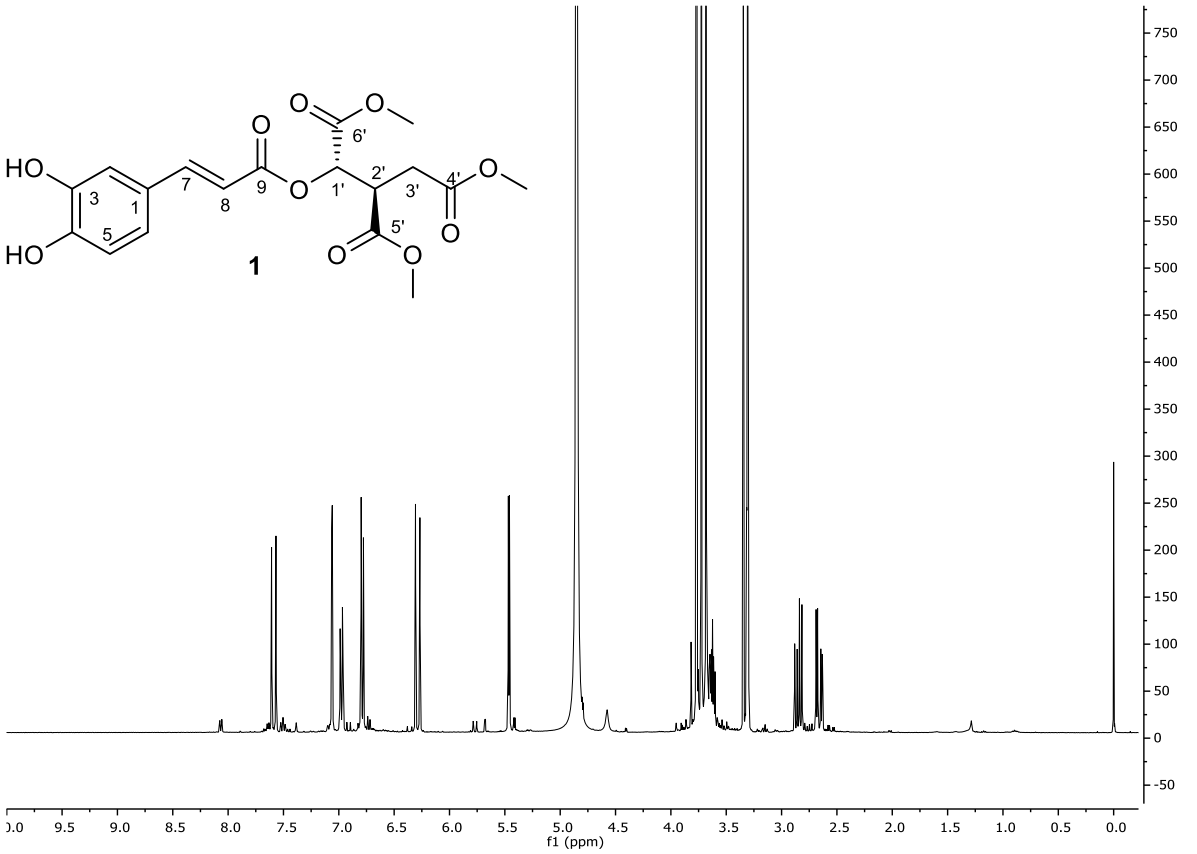


**Figure S1:** [1]H NMR spectrum of compound **1** (400 MHz, MeOH-$d_4$).

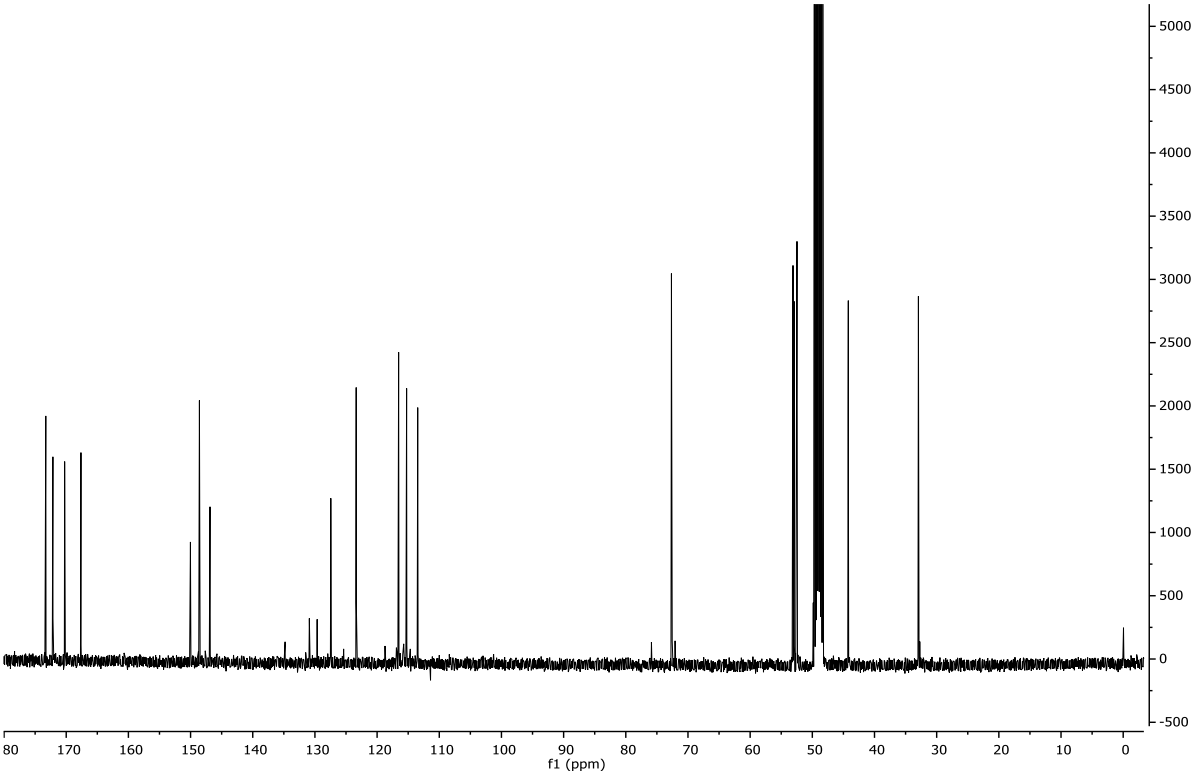


**Figure S2:** [13]C NMR spectrum of compound **1** (100 MHz, MeOH-$d_4$).

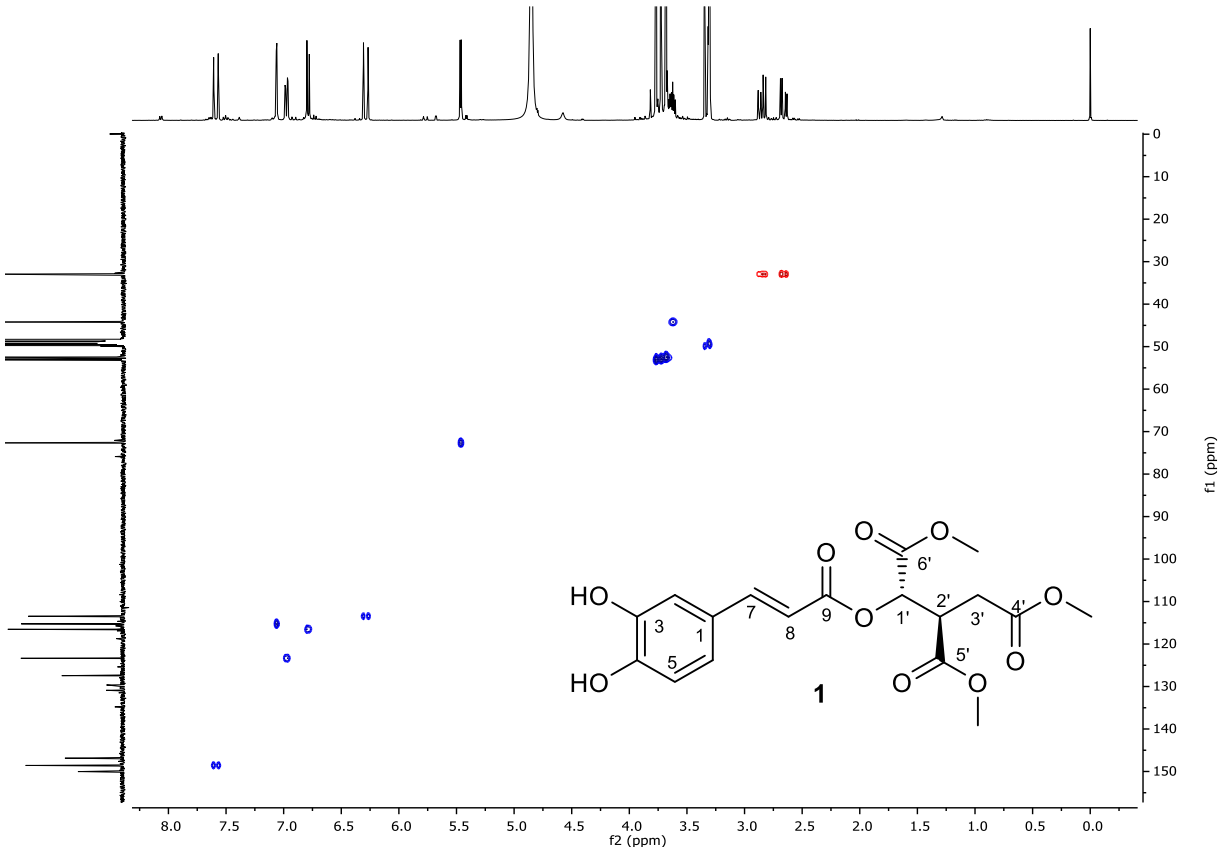


**Figure S3:** HSQC spectrum of compound **1** (400 MHz, MeOH-$d_4$).

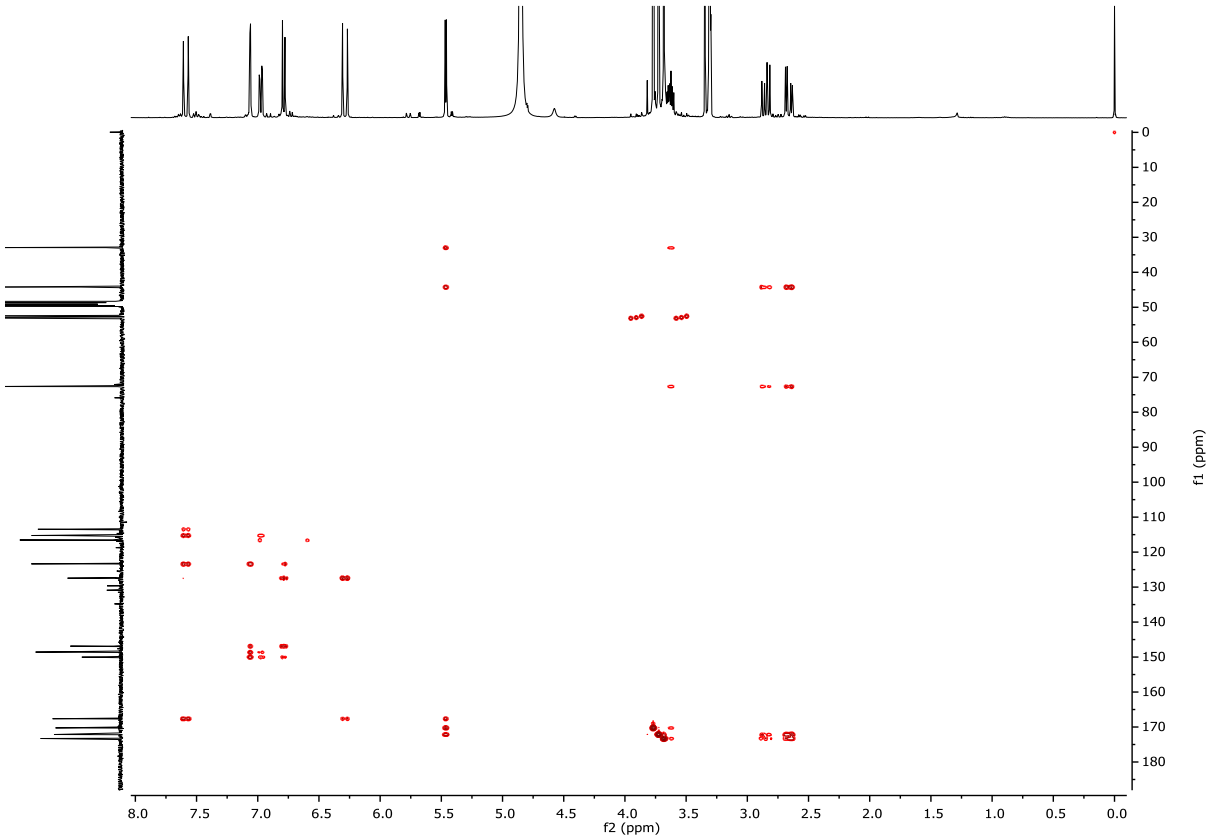


**Figure S4:** HMBC spectrum of compound **1** (400 MHz, MeOH-$d_4$).

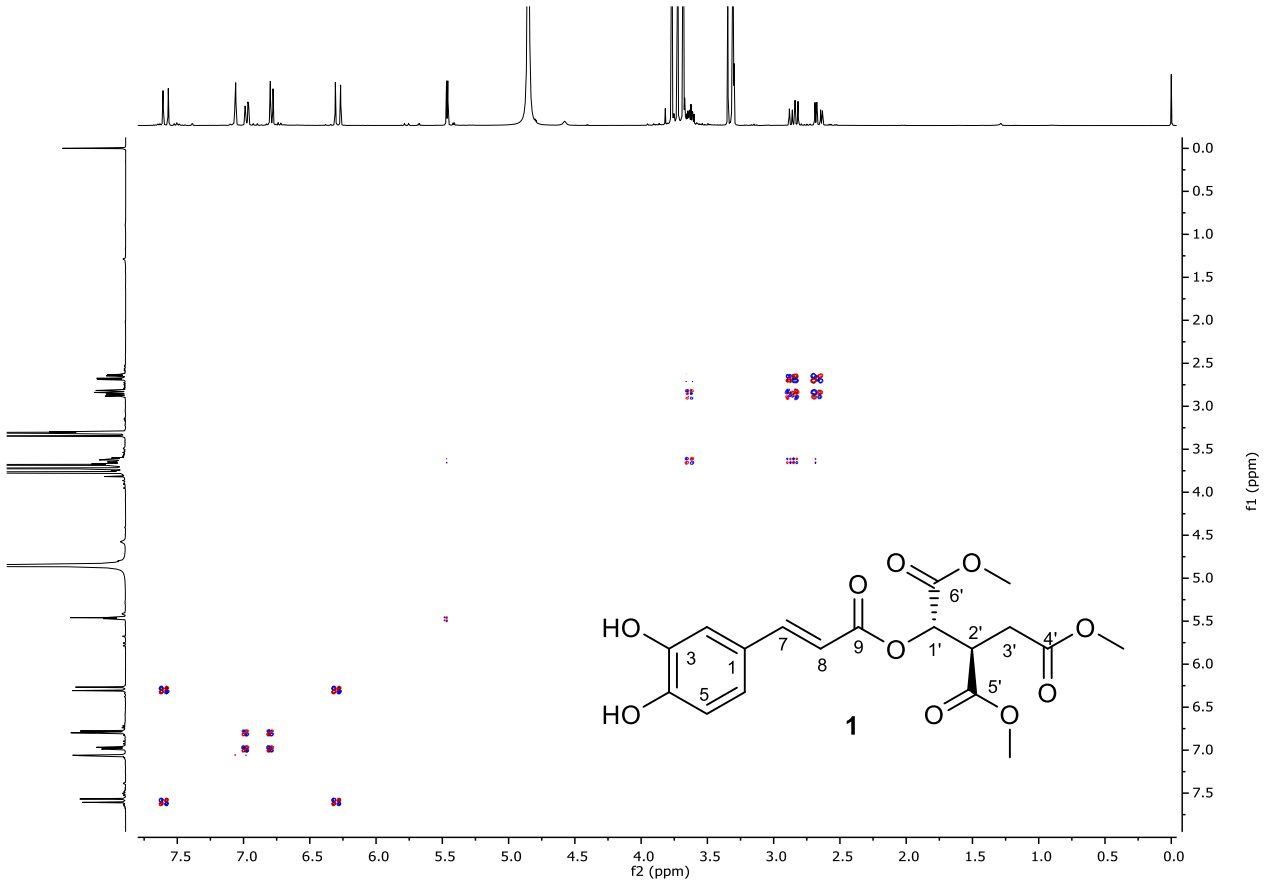


**Figure S5**: $^{1}$H-$^{1}$H COSY spectrum of compound **1** (400 MHz, MeOH-$d_4$).

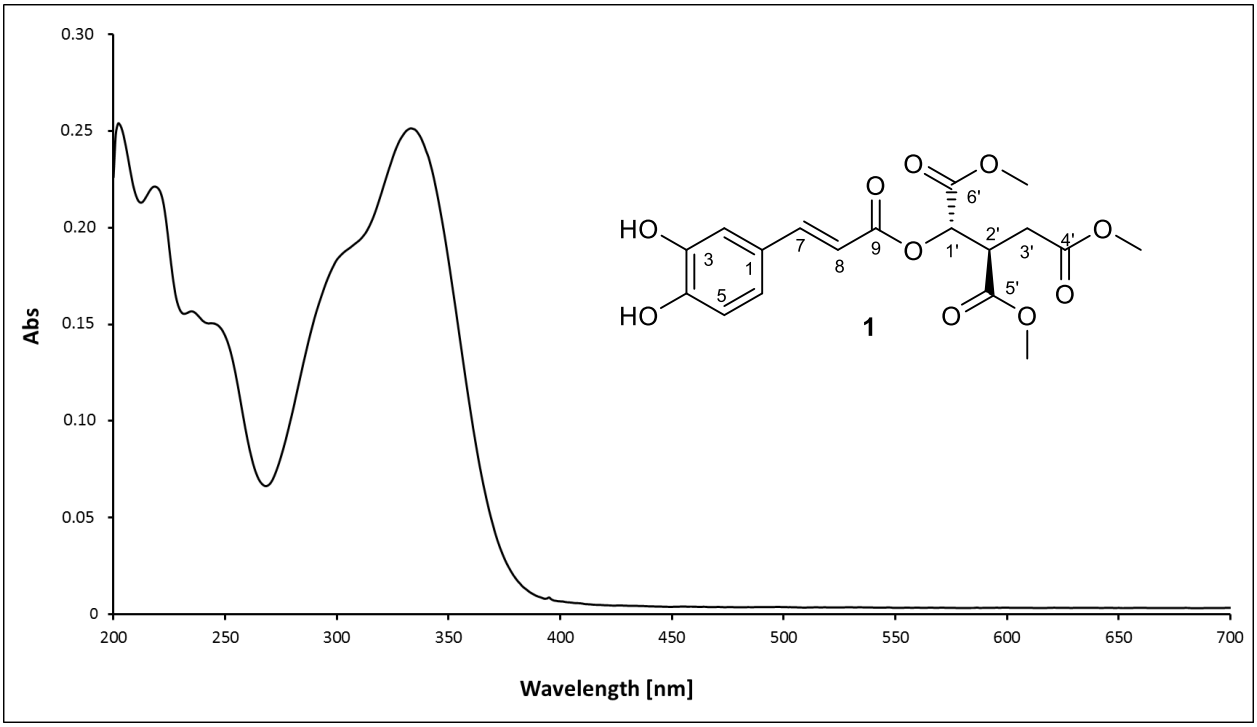


**Figure S6:** UV spectrum of compound **1** in MeOH.

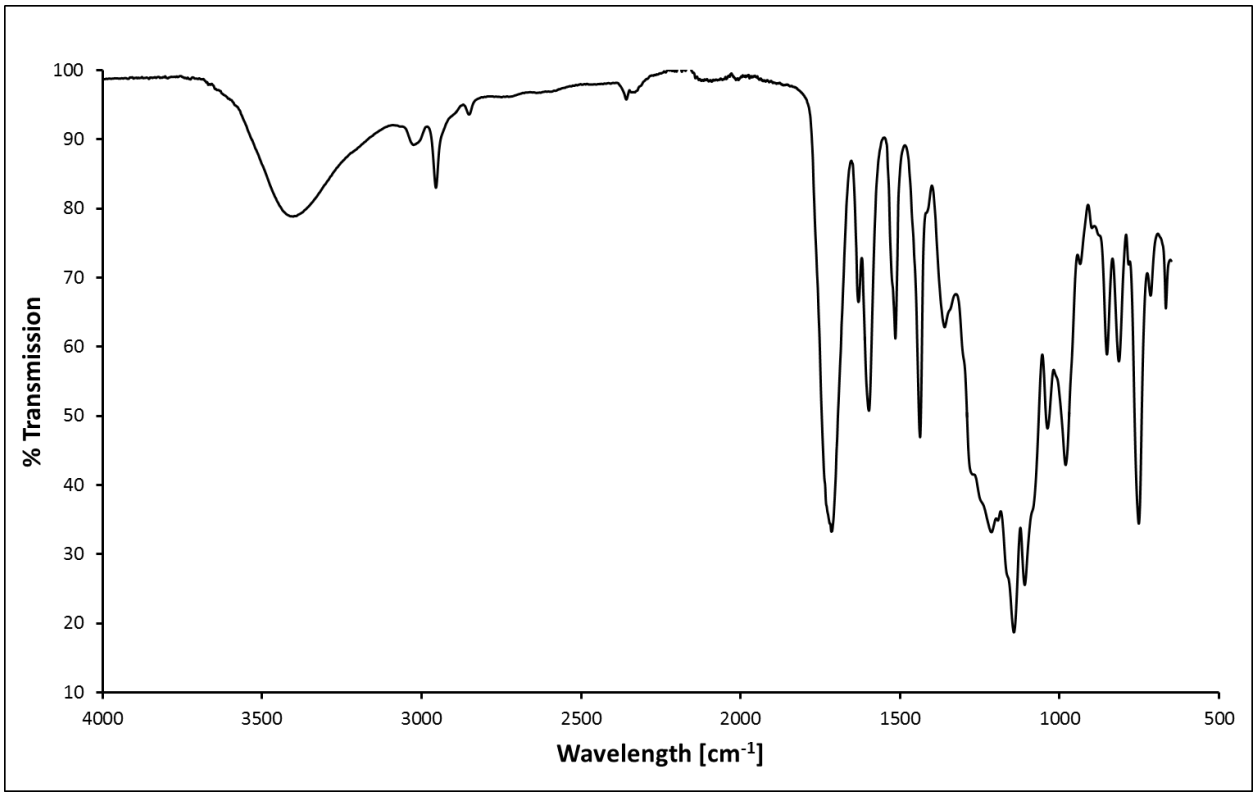


**Figure S7:** IR spectrum of compound **1** in MeOH.

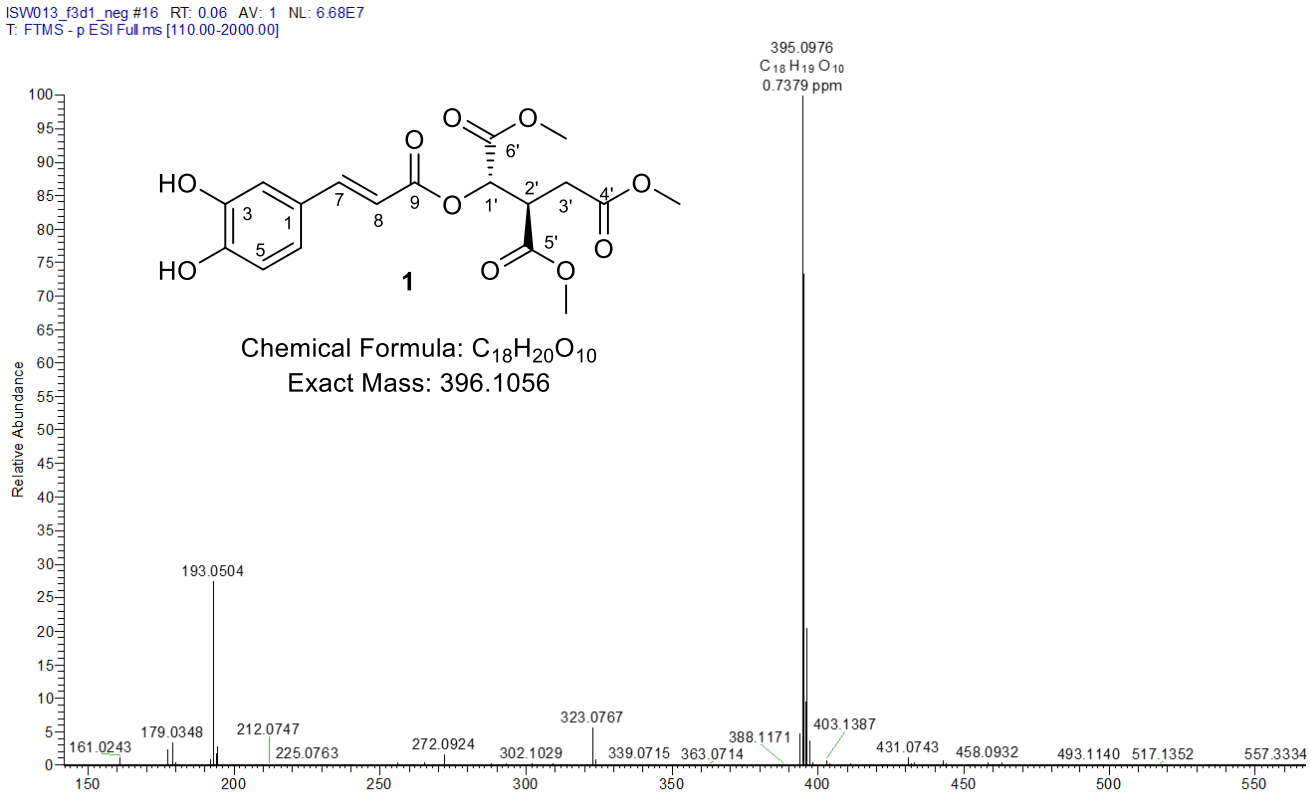


**Figure S8:** ESI-HRMS spectrum of compound **1** in negative ion mode.

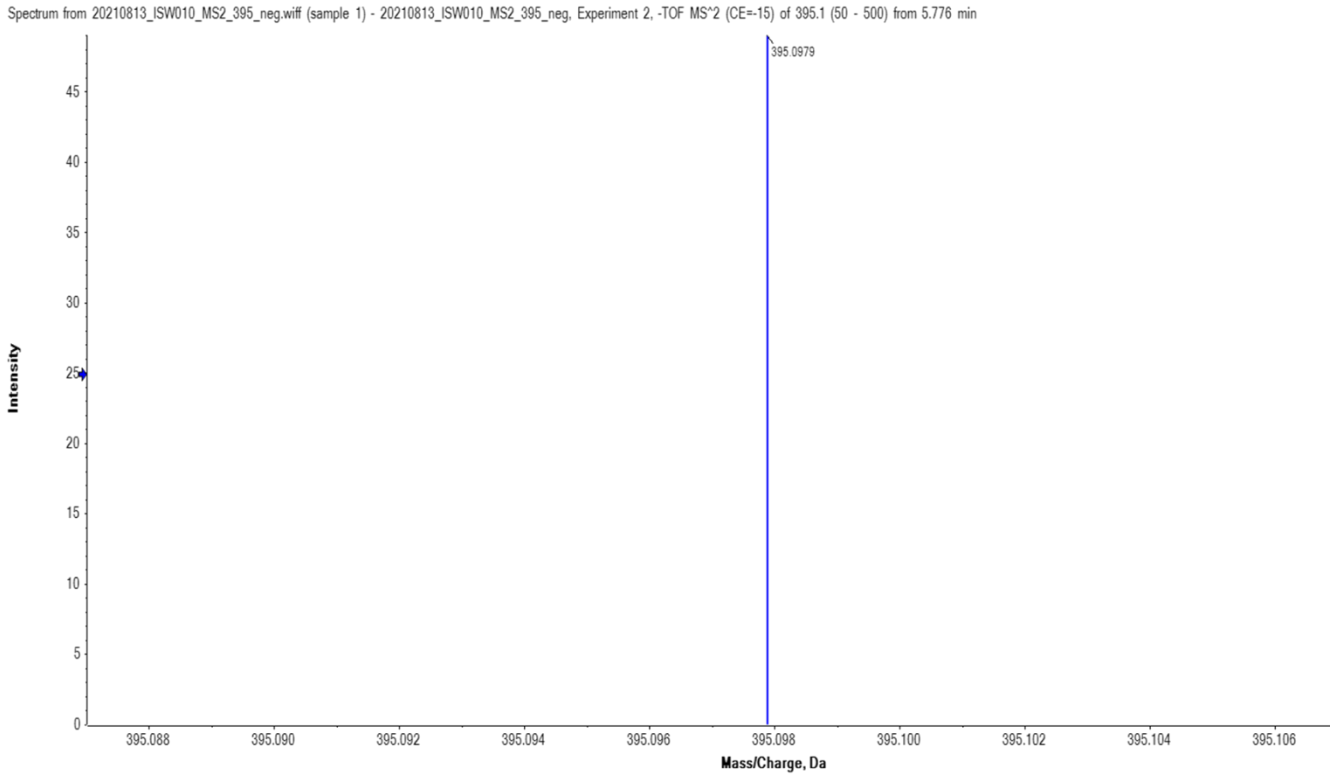


**Figure S9:** HRMS spectrum from ethanol extract of *P. obtusifolia* with selected molecular ion of *m/z* 395.0979 $[M-H]^-$ (**1**).

**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**)

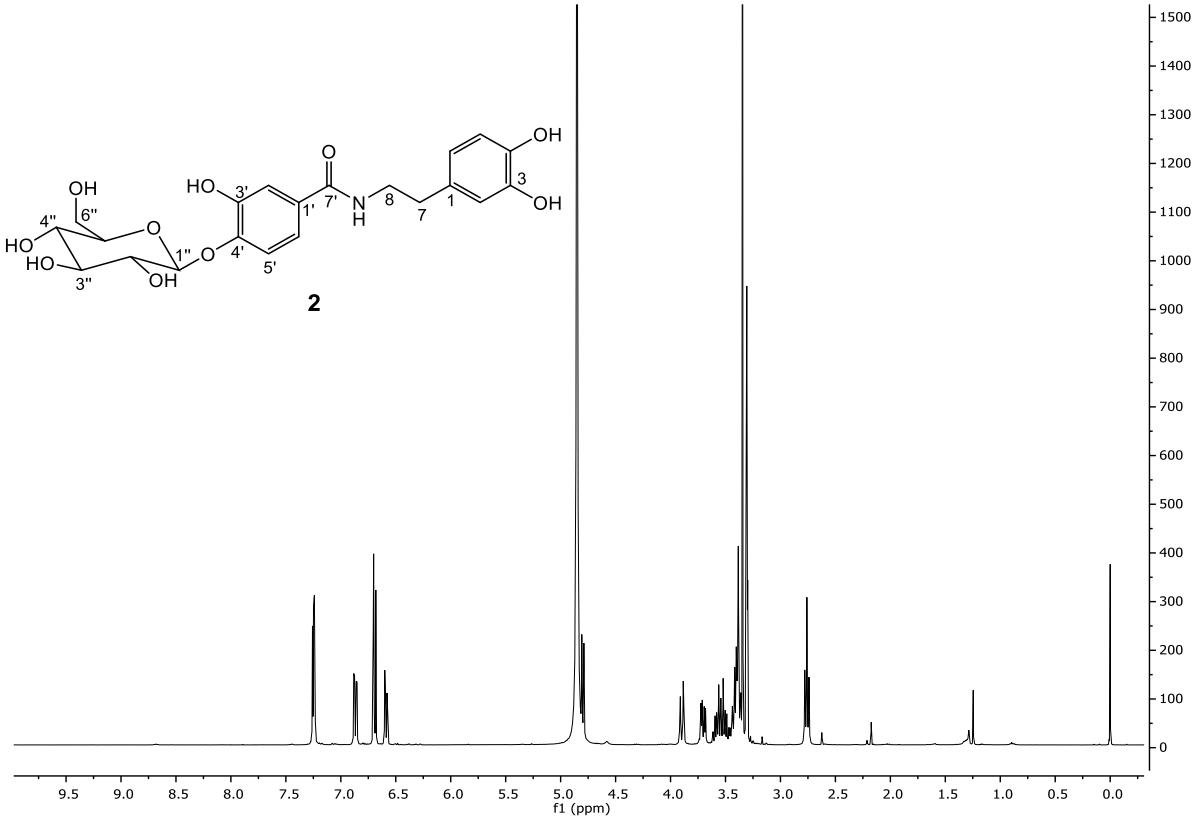


**Figure S10:** [1]H NMR spectrum of compound **2** (400 MHz, MeOH-$d_4$).

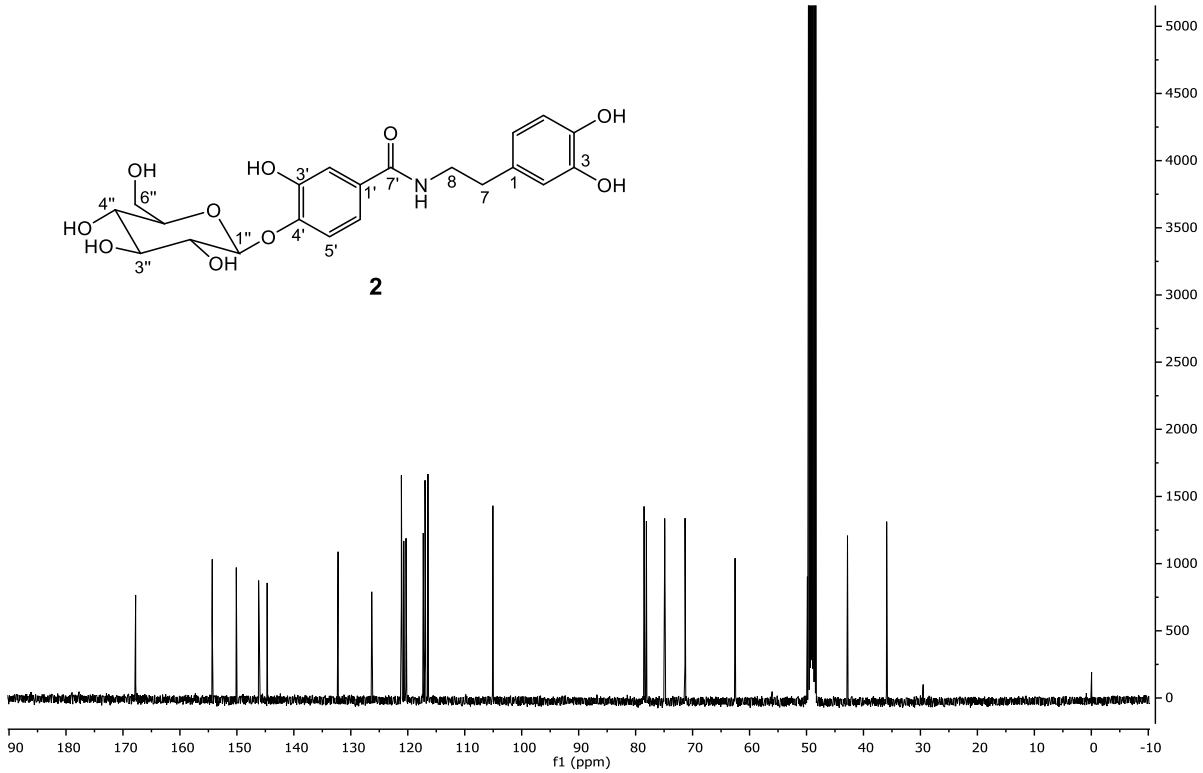


**Figure S11:** [13]C NMR spectrum of compound **2** (100 MHz, MeOH-$d_4$).

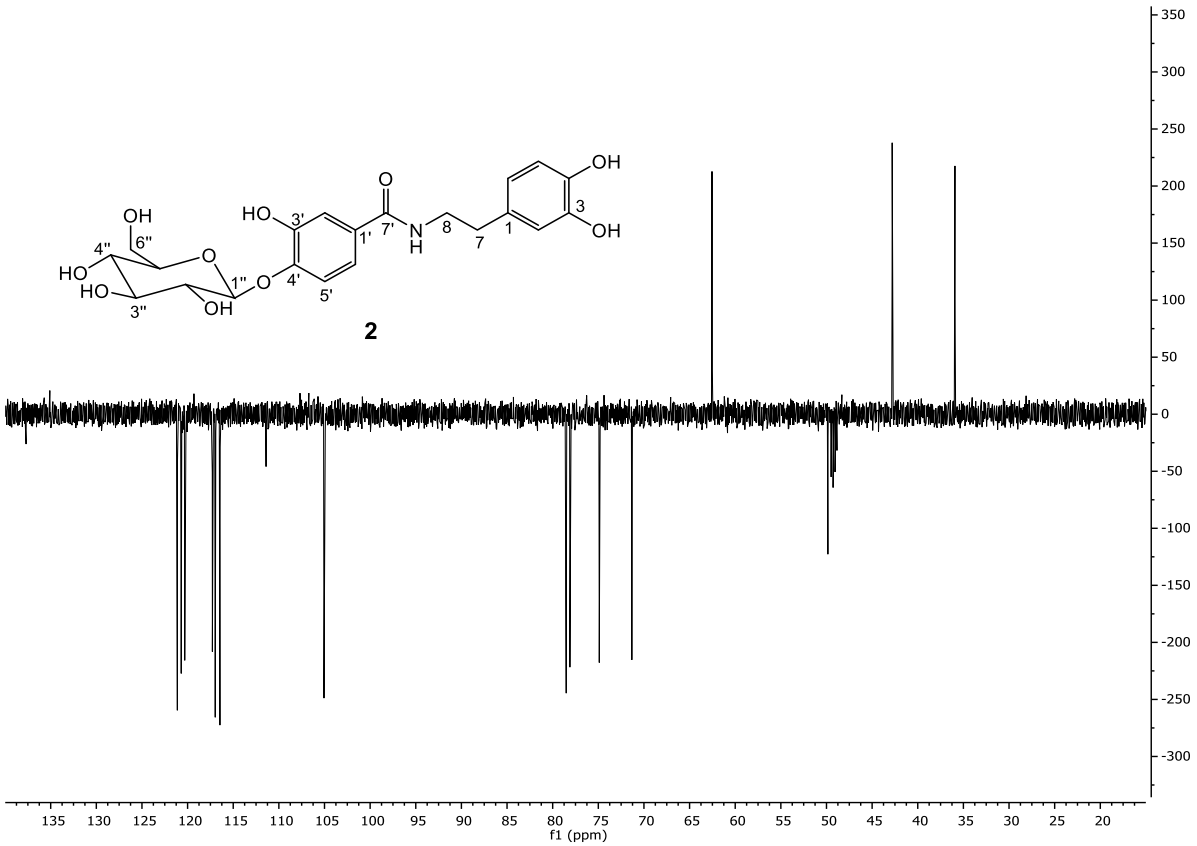


**Figure S12:** DEPT135 spectrum of compound **2** (100 MHz, MeOH-$d_4$).

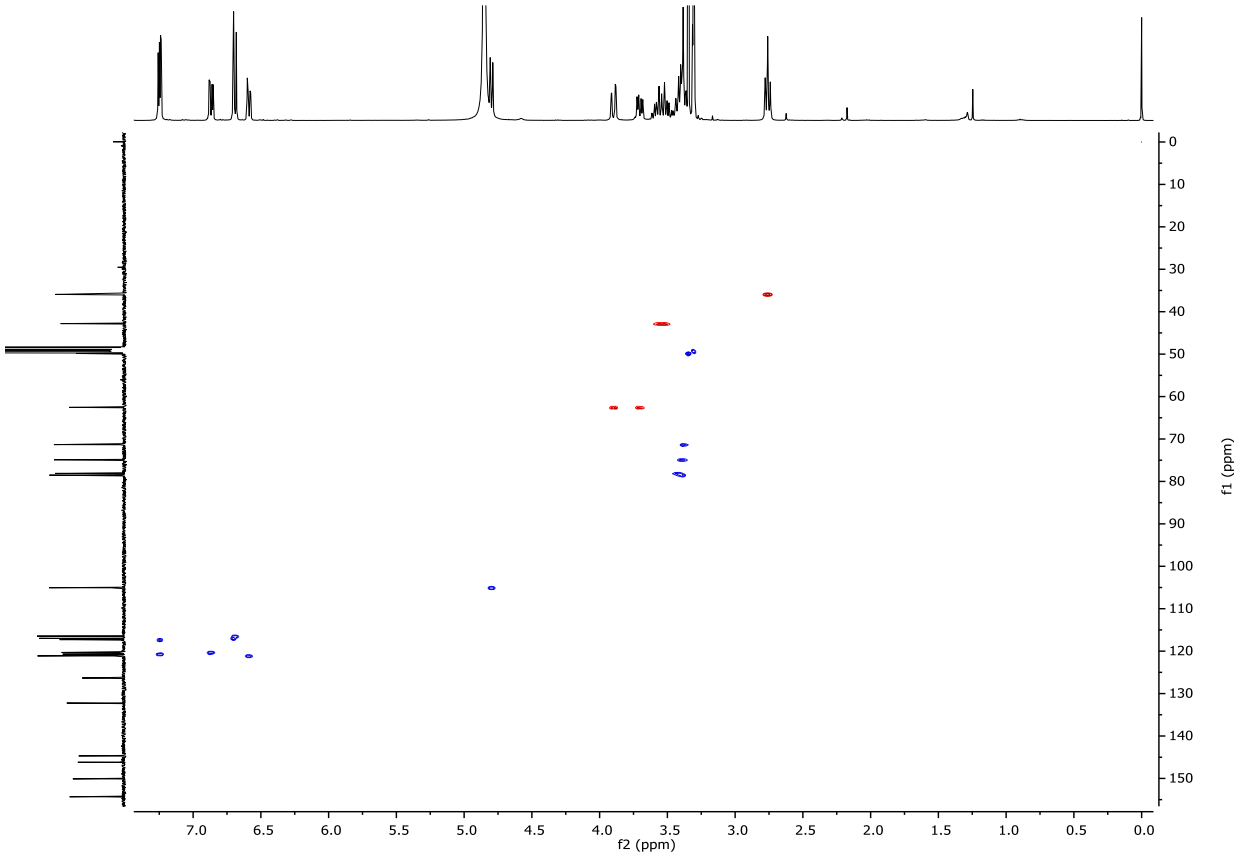


**Figure S13:** HSQC spectrum of compound **2** (400 MHz, MeOH-$d_4$).

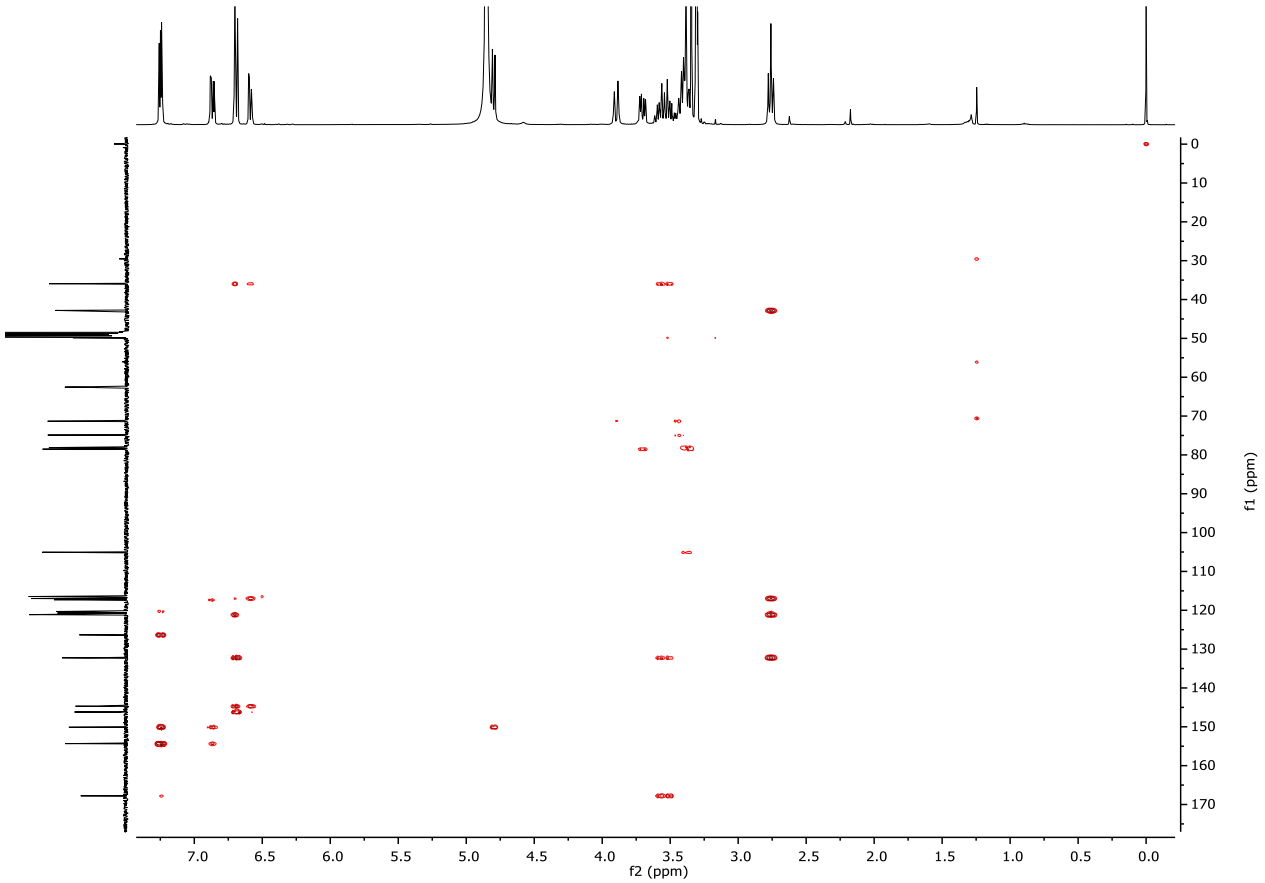


**Figure S14:** HMBC spectrum of compound **2** (400 MHz, MeOH-$d_4$).

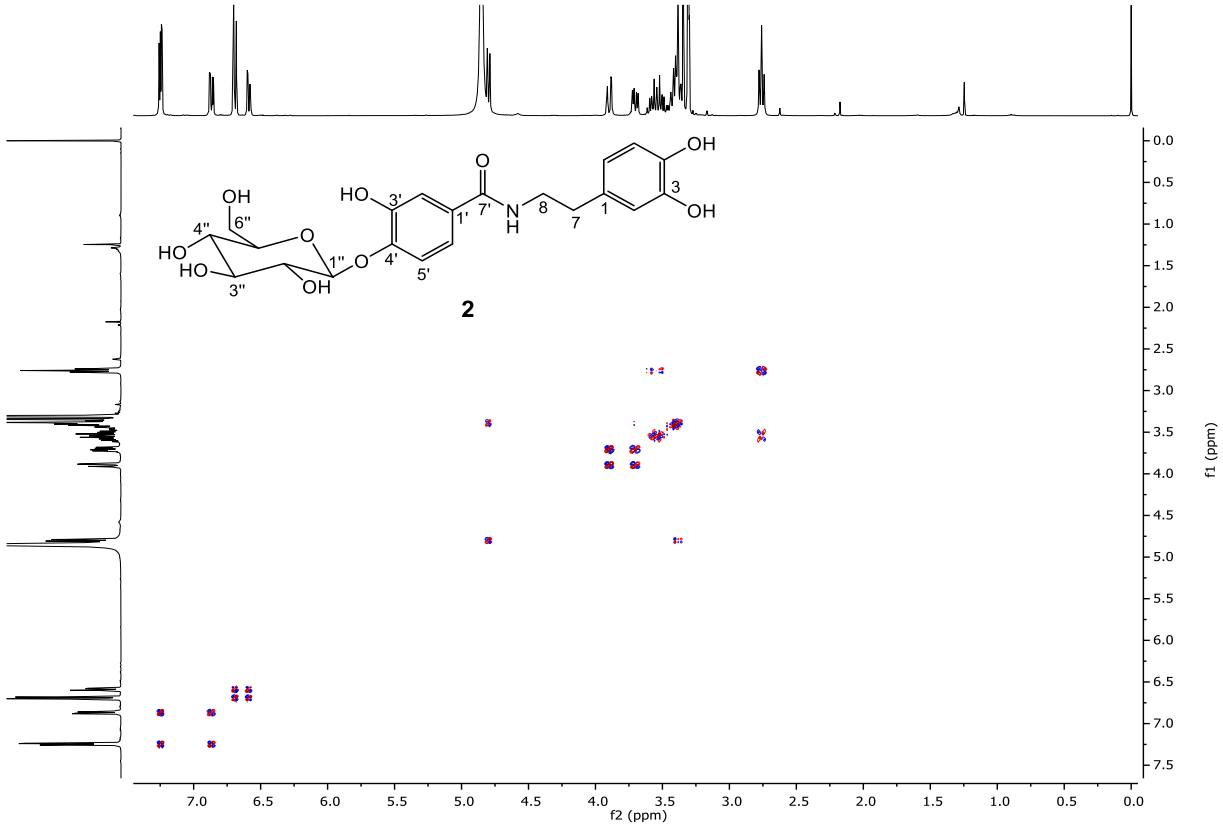


**Figure S15:** $^1$H-$^1$H COSY spectrum of compound **2** (400 MHz, MeOH-$d_4$).

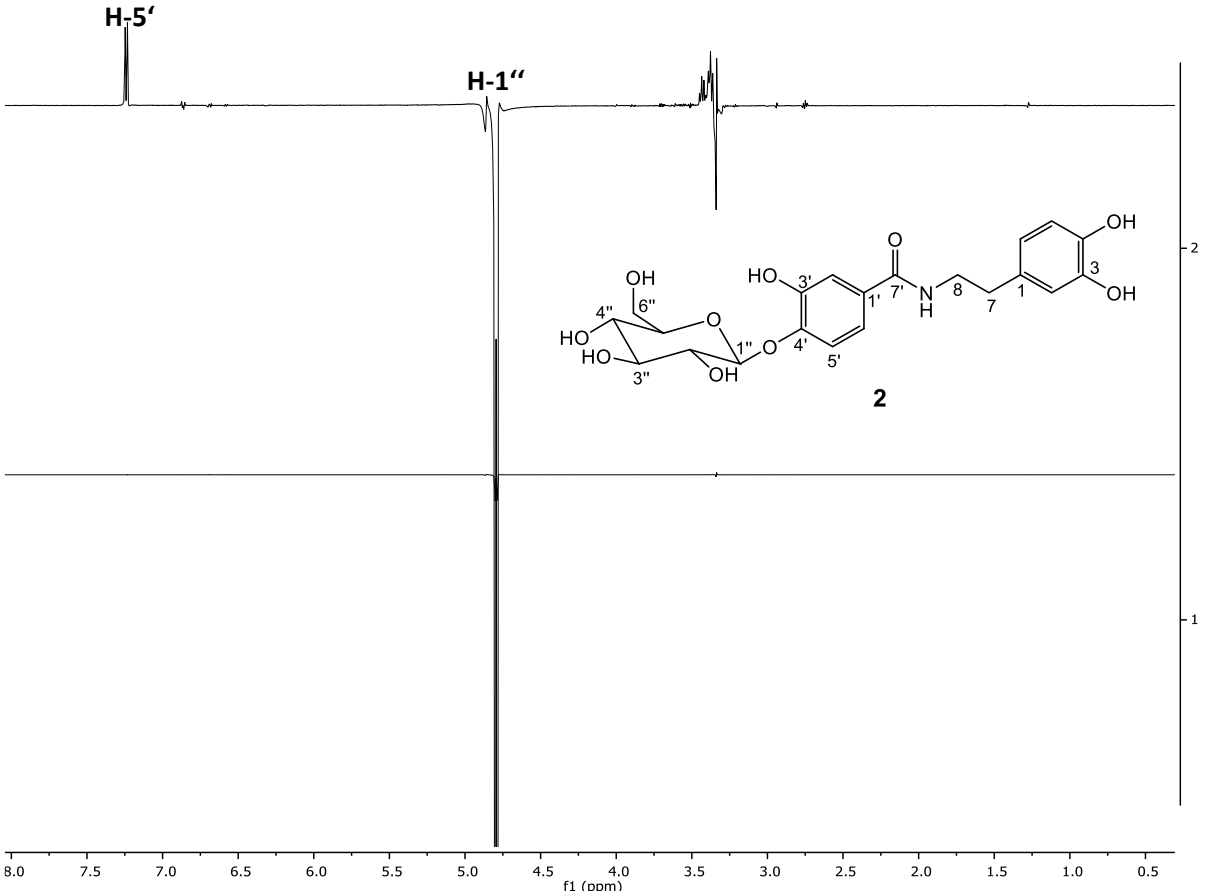


**Figure S16:** 1D-ROESY spectrum of compound **2** (400 MHz, MeOH-$d_4$).

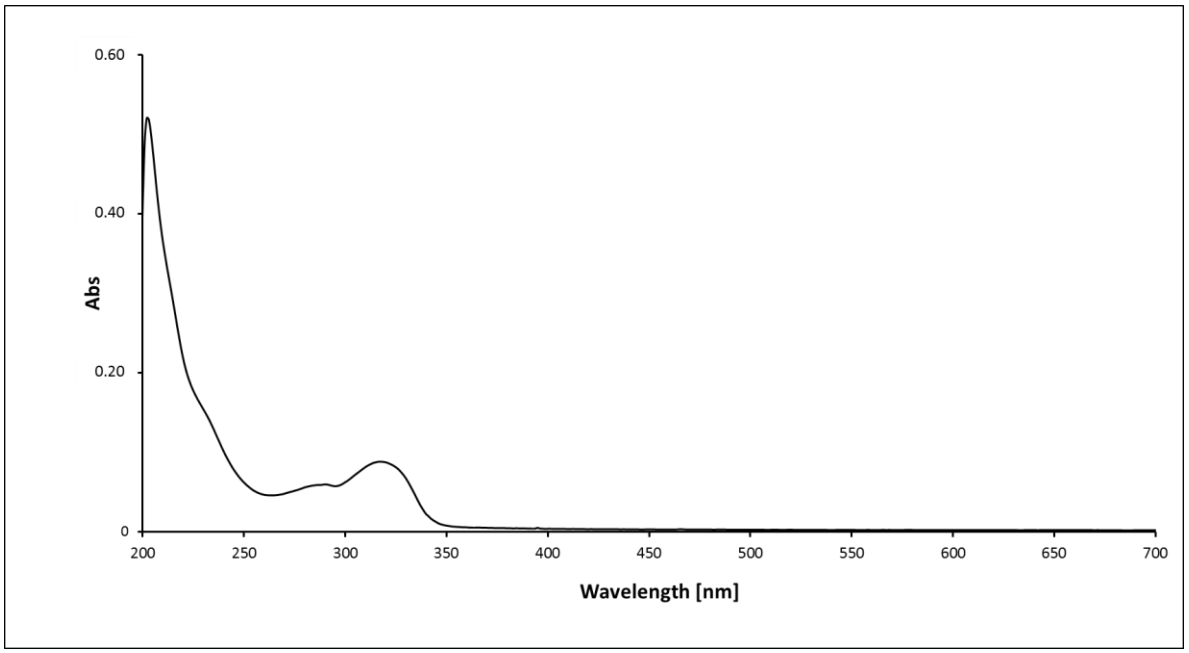


**Figure S17:** UV spectrum of compound **2** in MeOH.

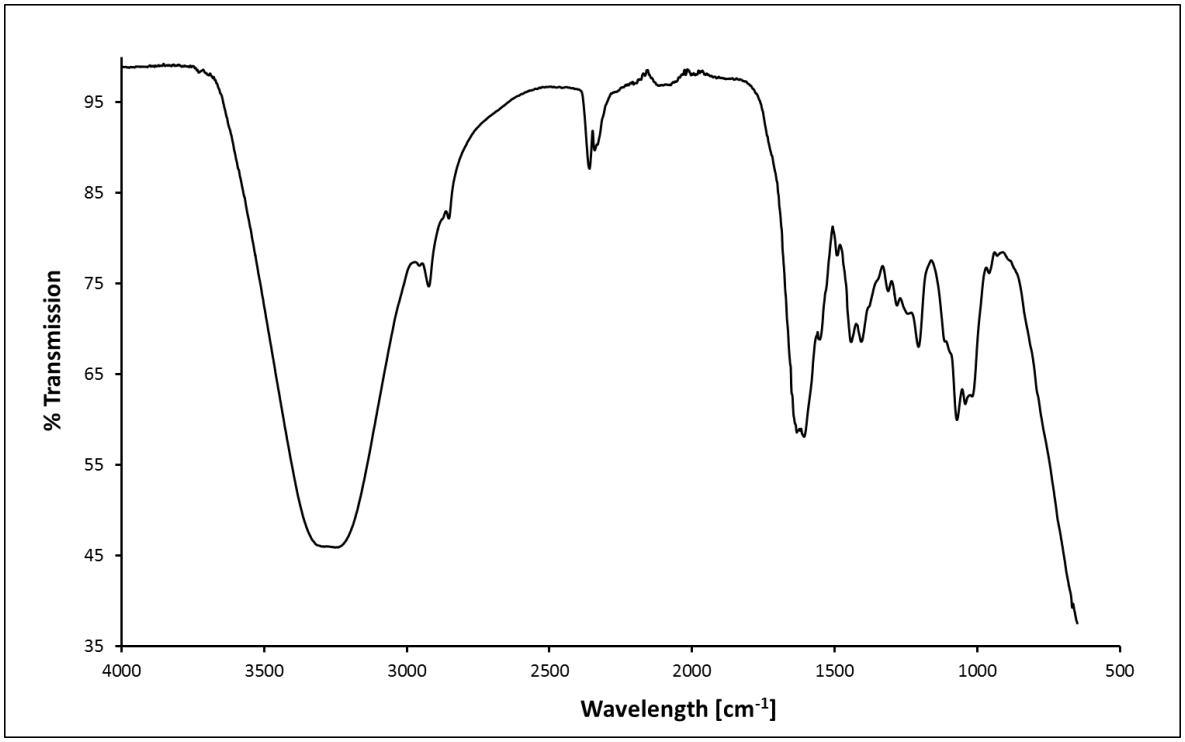


**Figure S18**: IR spectrum of compound **2** in MeOH.

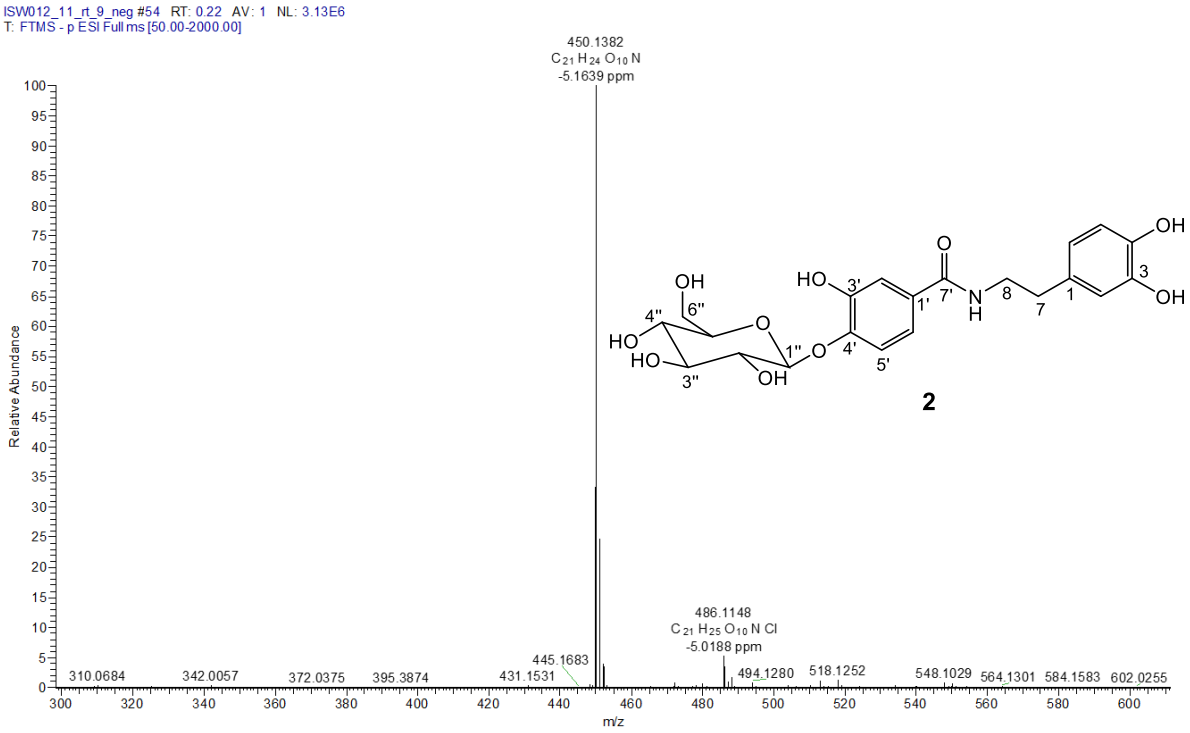


**Figure S19:** ESI-HRMS spectrum of compound **2** in negative ion mode.

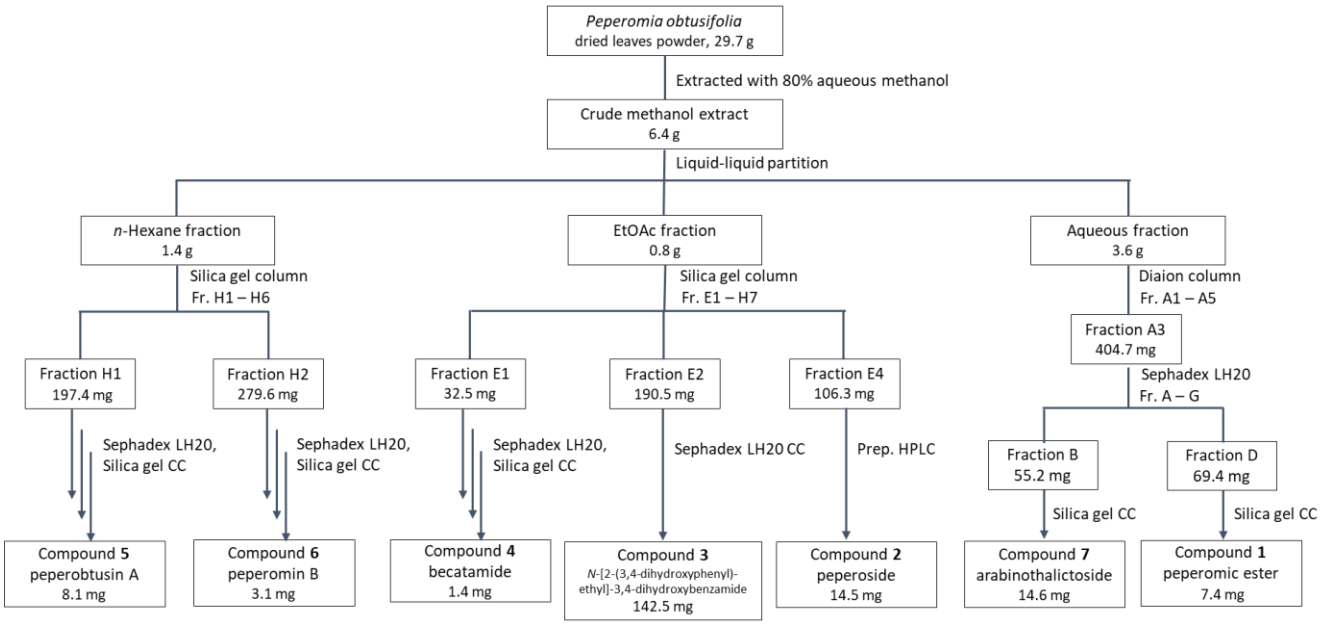


**Figure S20**: Isolation scheme for compounds **1-7**.