

Supplementary Materials: Peltomexicanin, a Peltogynoid Quinone Methide from *Peltogyne Mexicana* Martínez Purple Heartwood

Paulina Gutiérrez-Macías, Javier Peralta-Cruz, Amparo Borja-de-la-Rosa and
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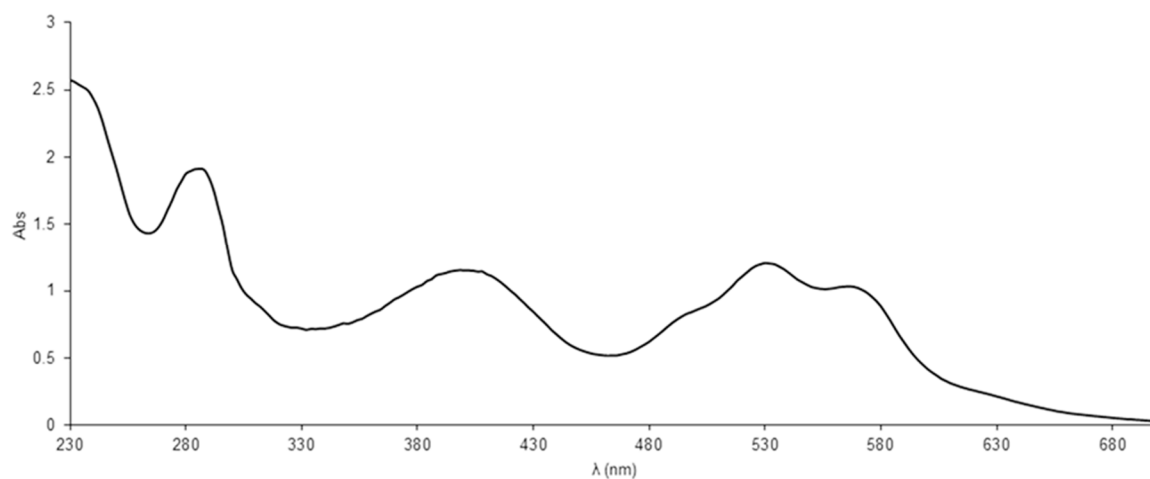


Figure S1. UV-Vis absorption spectrum of peltomexicanin (0.125 mg/mL) in MeOH.

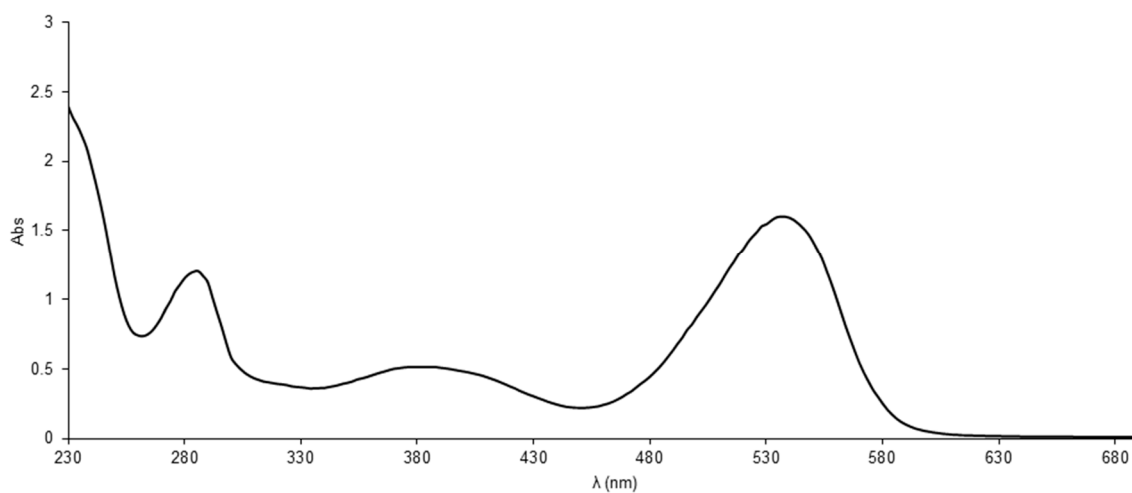


Figure S2. UV-Vis absorption spectrum of peltomexicanin (0.125 mg/mL) in MeOH + HCl (0.1 M).

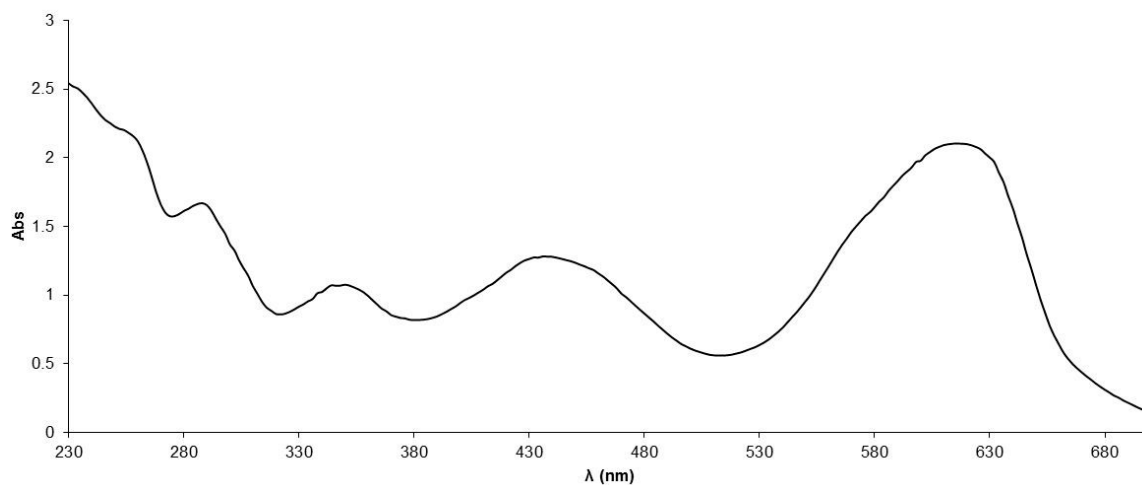


Figure S3. UV-Vis absorption spectrum of peltomexicanin (0.125 mg/mL) in MeOH + NaOH (0.1 M).

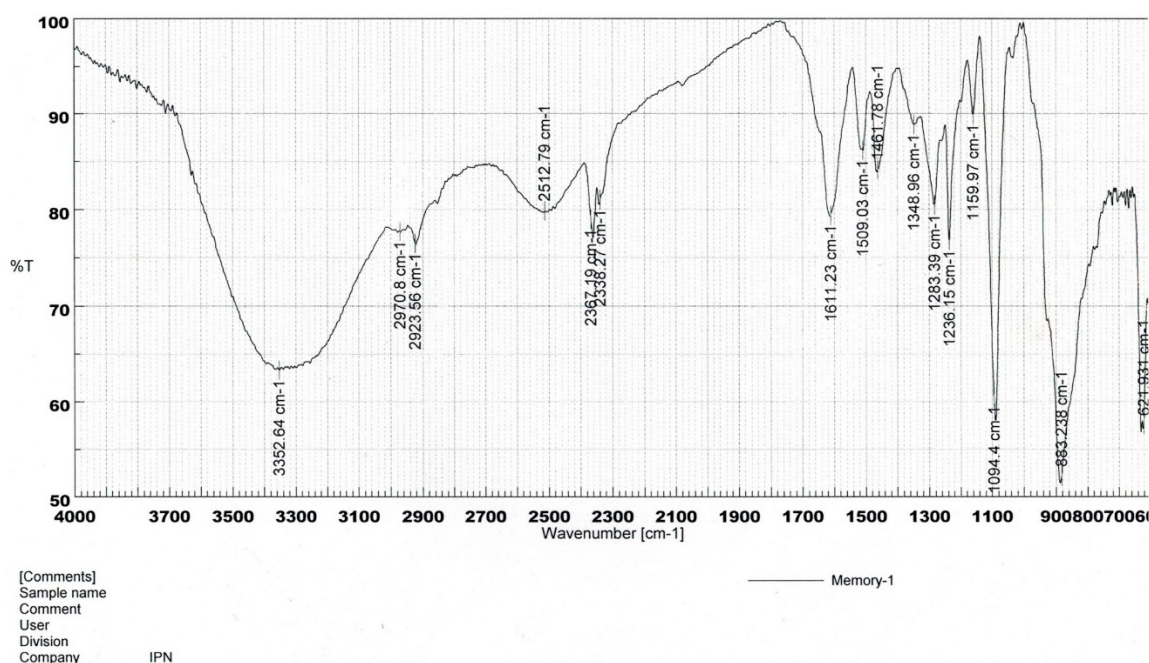


Figure S4. IR spectrum of peltomexicanin.

Display Report

Analysis Info

Analysis Name D:\Data\RogelioJimenez\101414_Roge008_Pos.d
Method tune_low.m
Sample Name 101414_Roge008_Pos
Comment

Acquisition Date 10/14/2014 3:47:20 PM

Operator Daniel
Instrument / Ser# microTOF-Q II 10392

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	3000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Source

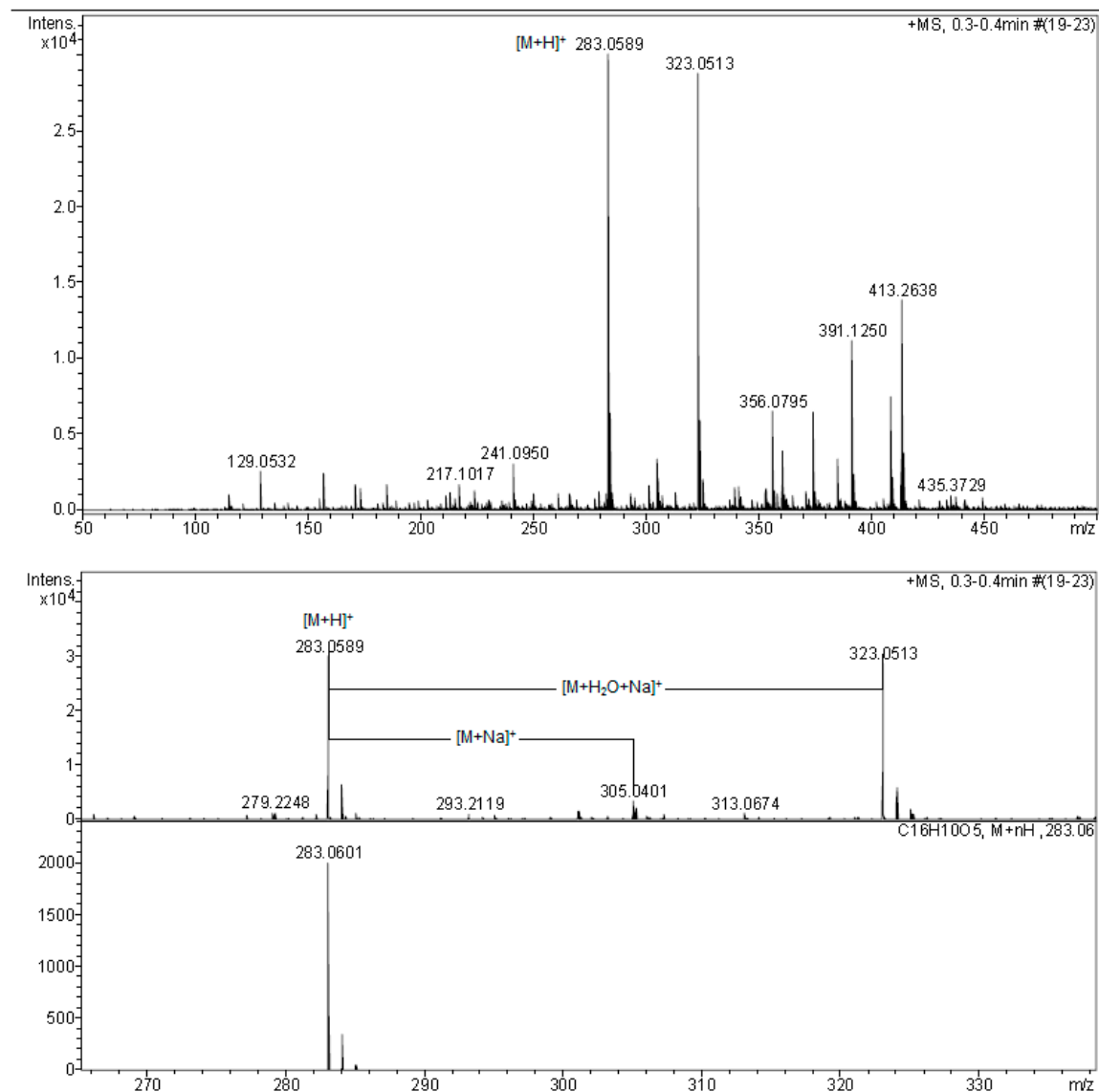


Figure S5. ESI-MS spectrum (positive mode) of peltomexicanin.

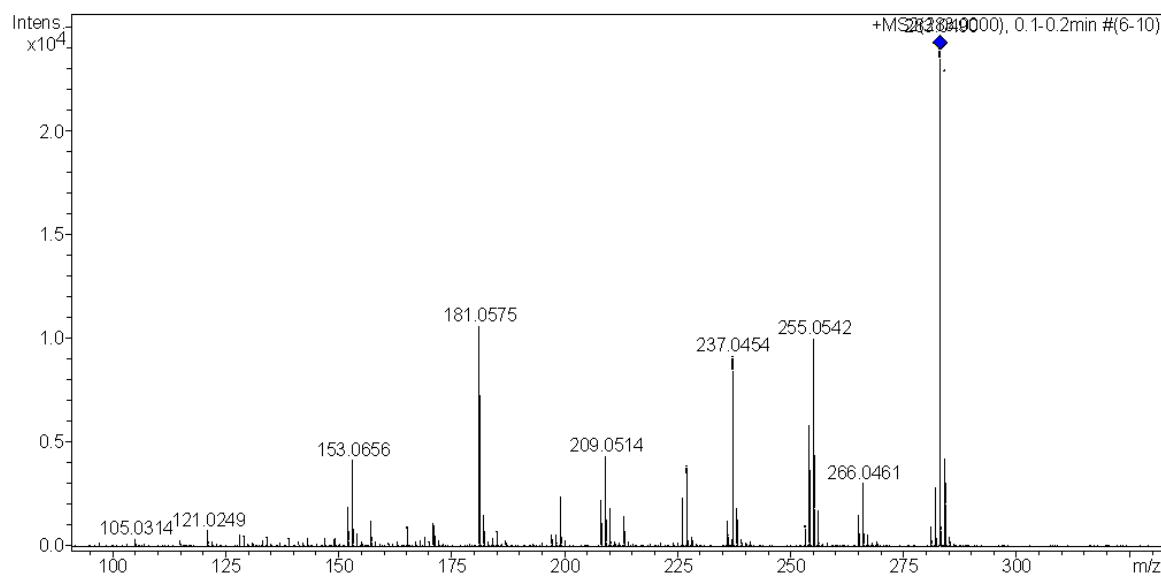


Figure S6. Spectrum MS/MS (positive mode) of $[M + H]^+$ ion at m/z 283.0589.

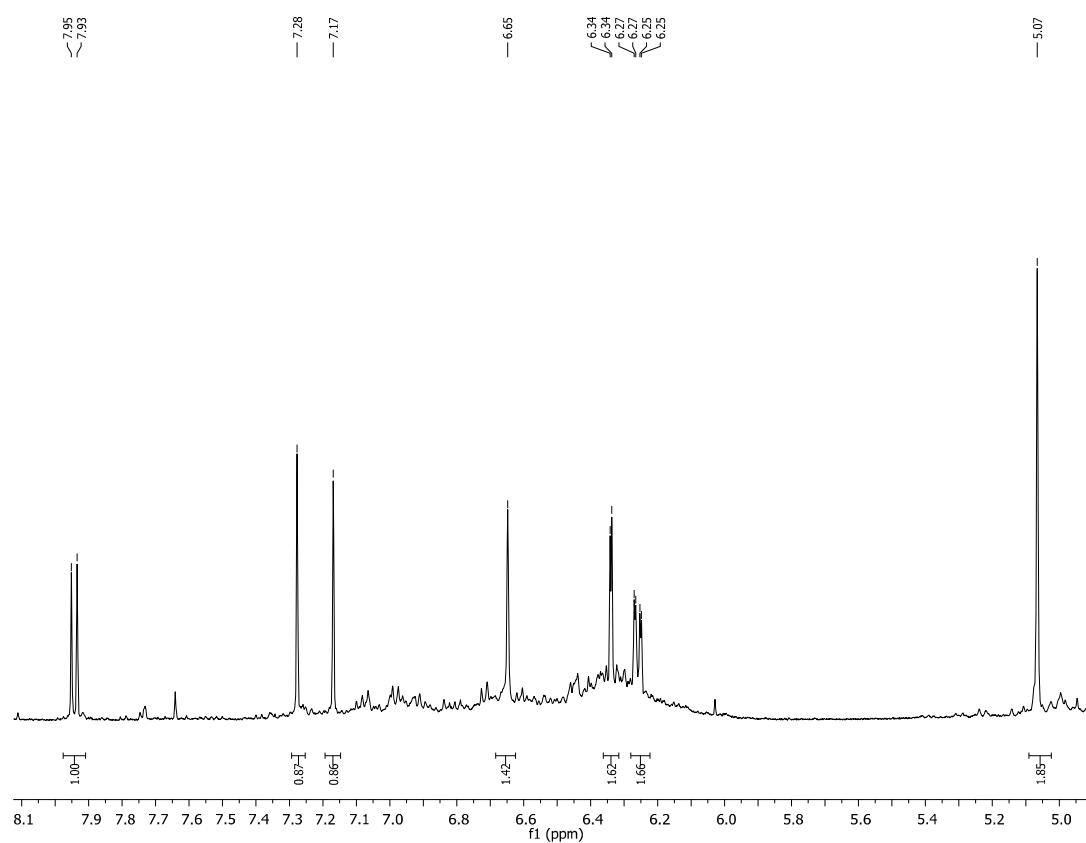


Figure S7. Spectrum ¹H-RMN (500 MHz, MeOH-*d*₄).

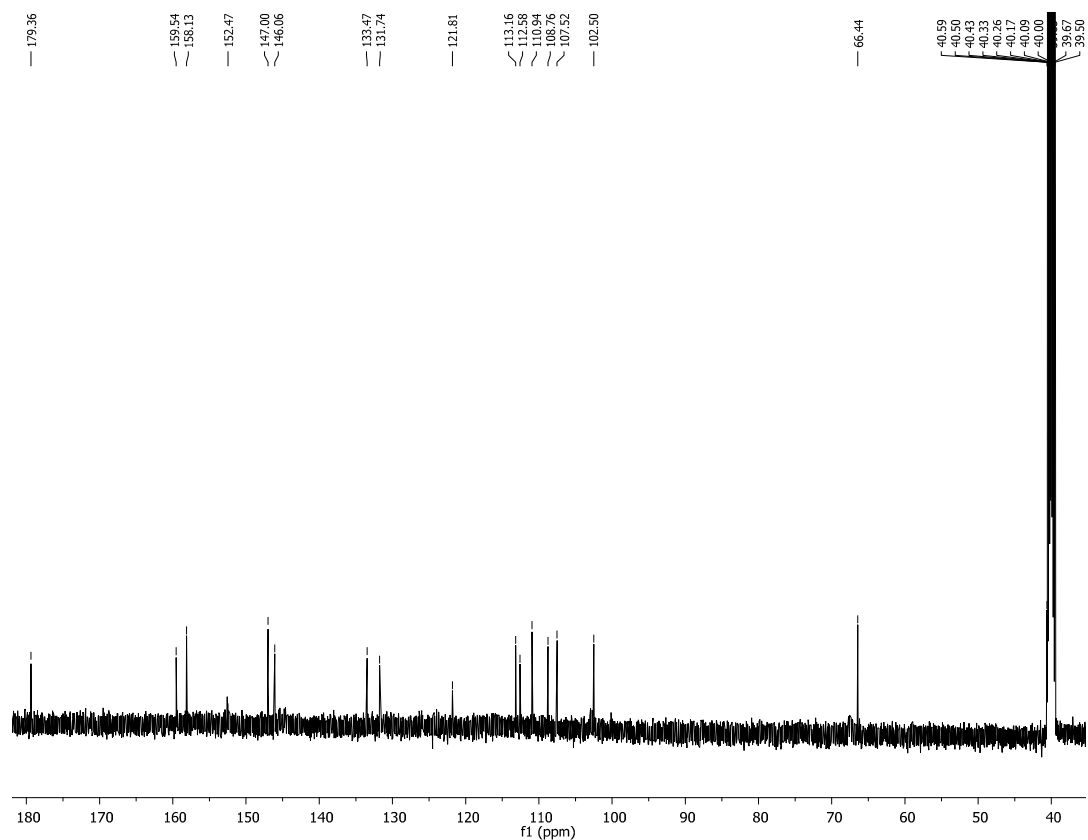


Figure S8. Spectrum ¹³C-RMN (125 MHz, MeOH-*d*₄).

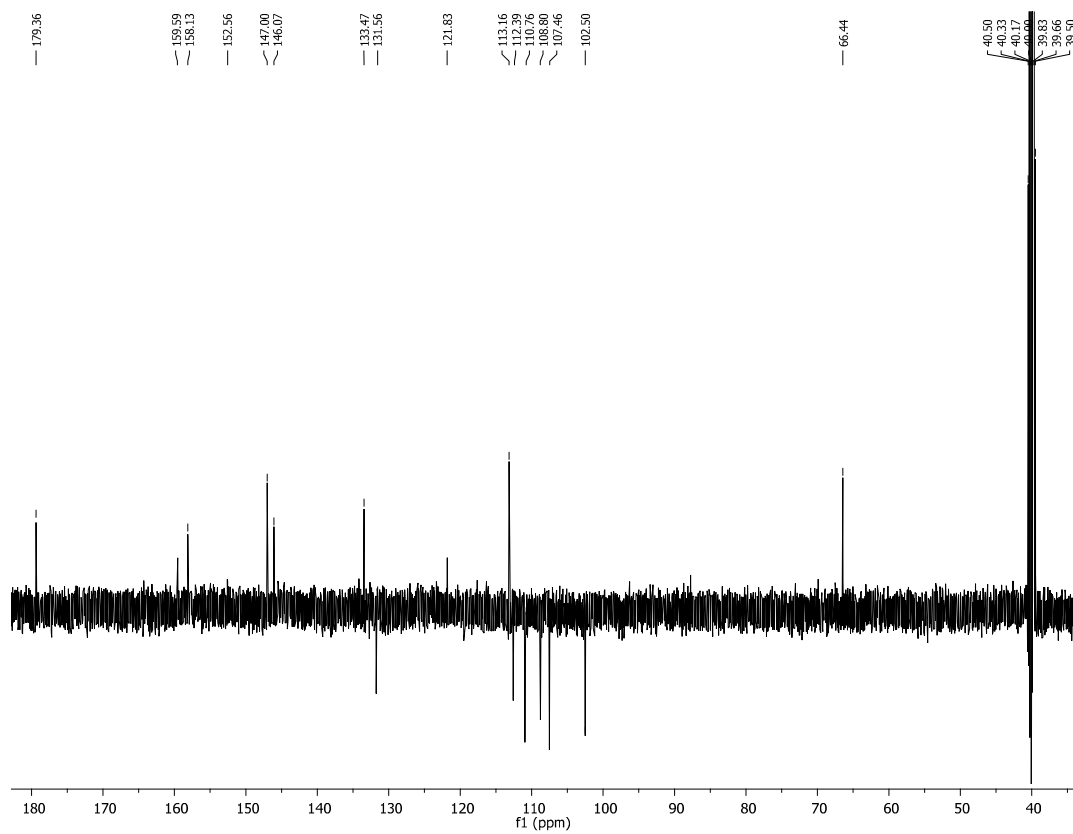


Figure S9. Spectrum ¹³C-RMN APT (500 MHz, MeOH-*d*₄).

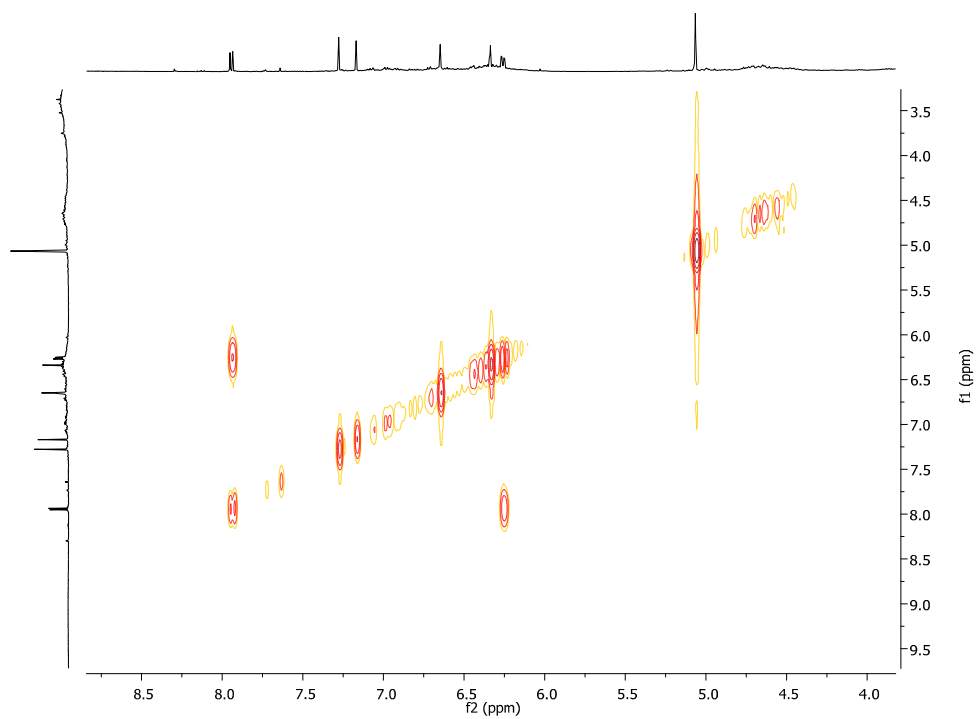


Figure S10. Spectrum COSY.

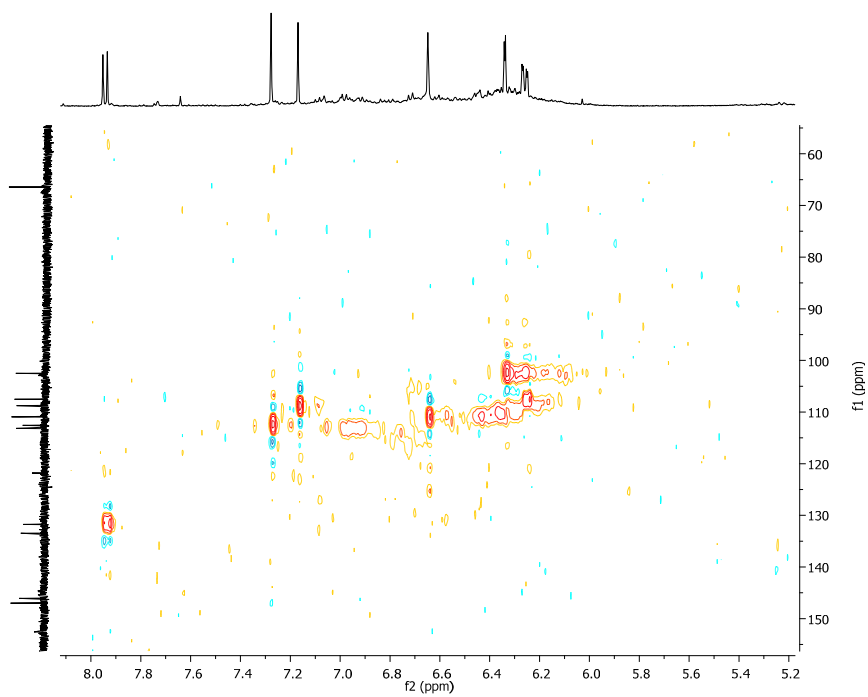


Figure S11. Spectrum HSQC.

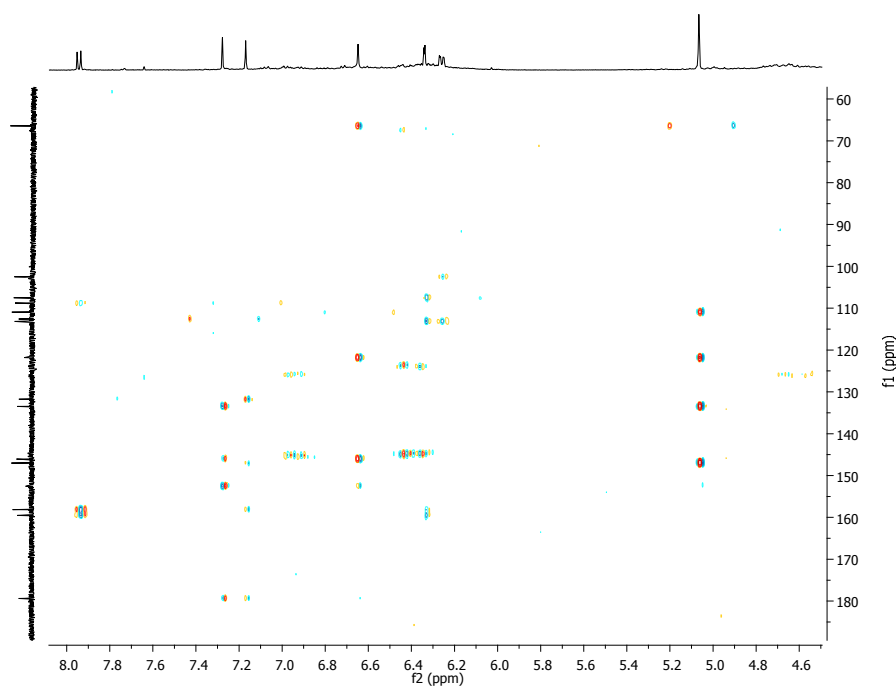


Figure S12. Spectrum HMBC.

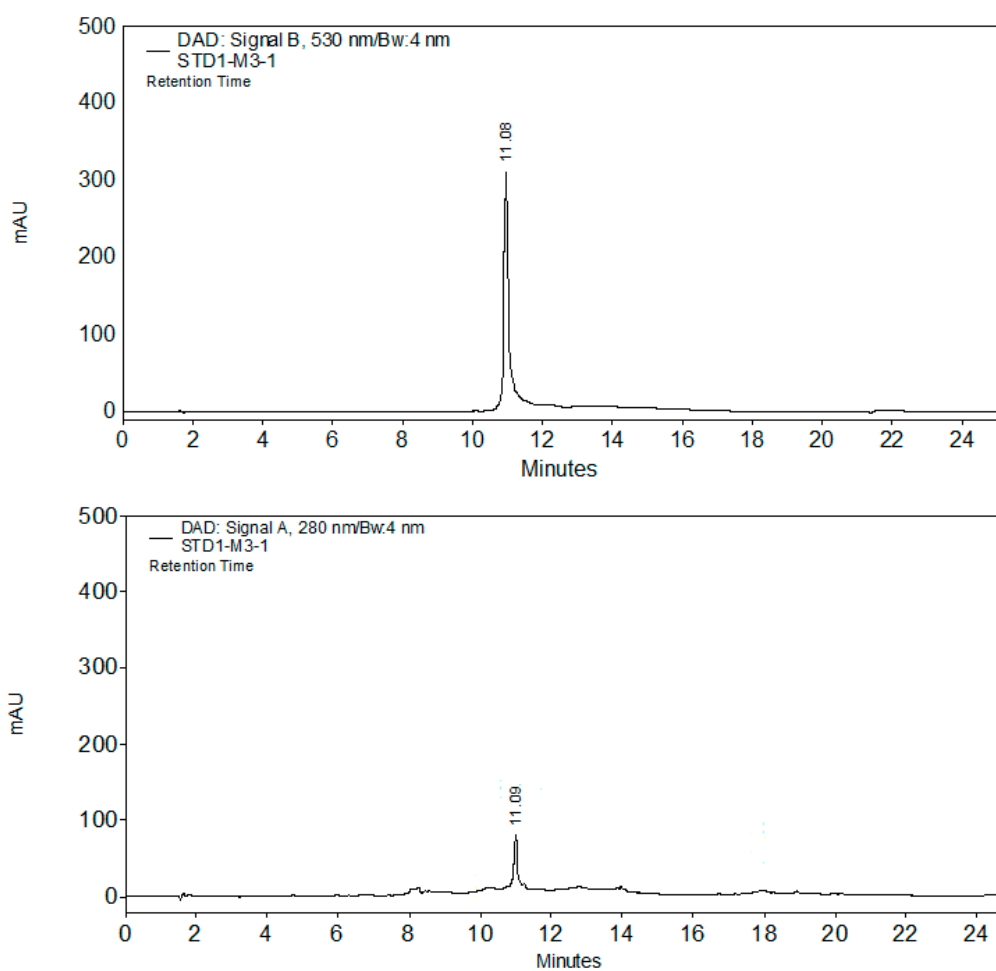


Figure S13. HPLC chromatograms of peltomexicanin (Up 530 nm, below 280 nm). Conditions: Gradient H₂O; acetonitrile; column C18 ZORBAX Eclipse Plus (150 × 4.6 mm, 5 μm), 20 μL, 1 mg·mL⁻¹, 1 mL·min⁻¹.

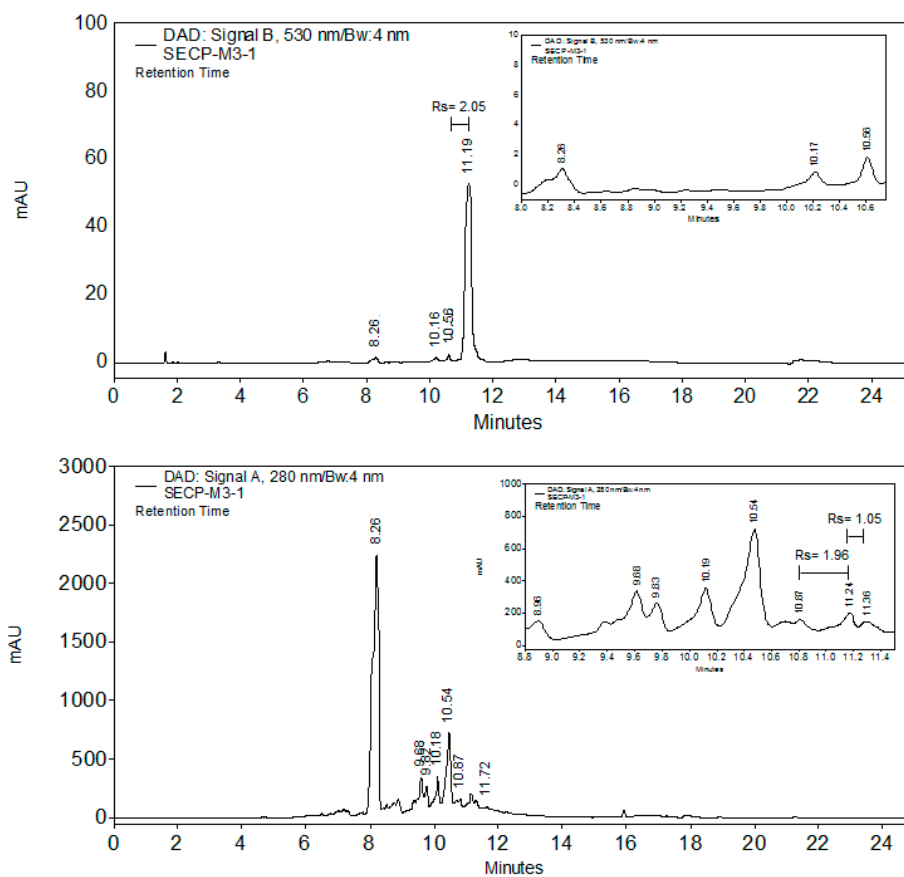


Figure S14. HPLC chromatograms of semipolar fraction of dried extract (Up 530 nm, below 280 nm). Conditions: Gradient H₂O; acetonitrile; column C18 ZORBAX Eclipse Plus (150 × 4.6 mm, 5 μm), 20 μL, 5 mg·mL⁻¹, 1 mL·min⁻¹.