



Kaempferitrin from *Uncaria guianensis* (Rubiaceae) and its Potential as a Chemical Marker for the Species

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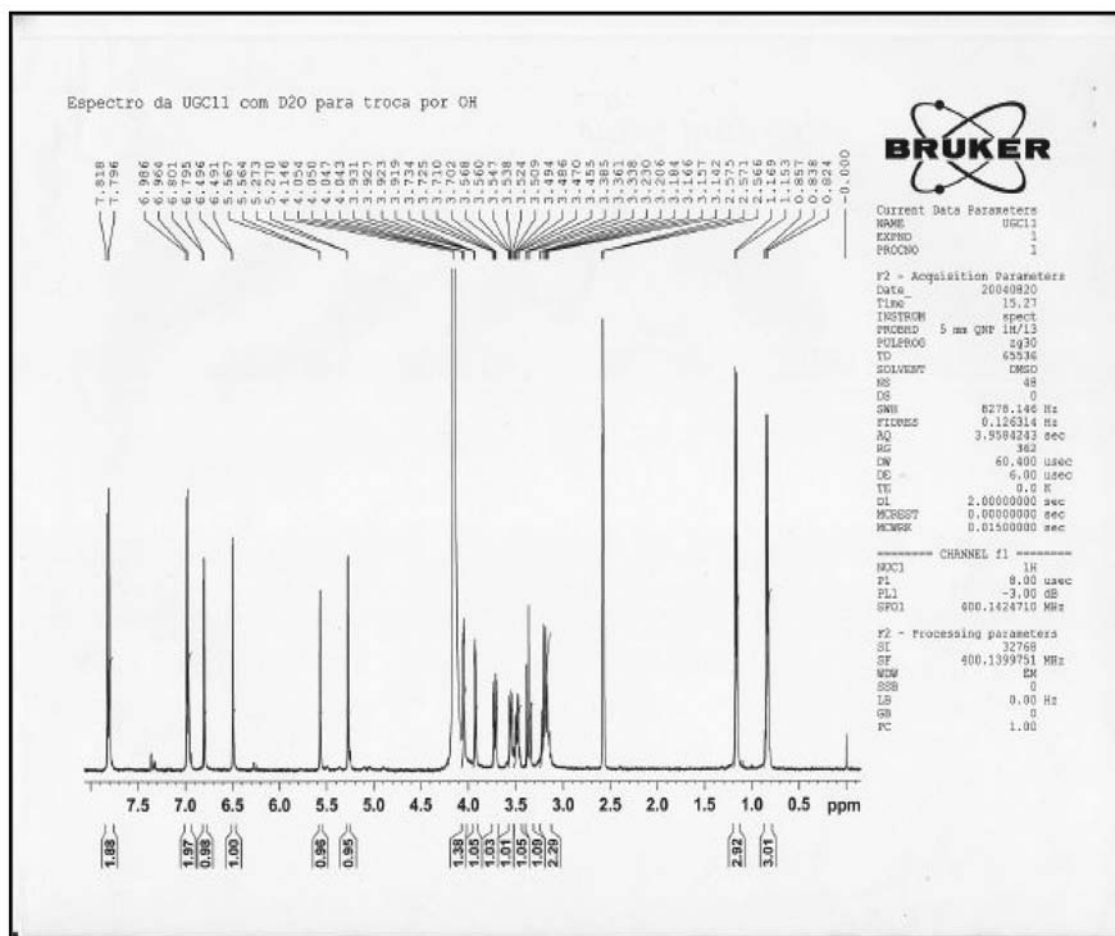


Figure S1. ¹H NMR spectrum (400 MHz), in DMSO-d₆/drops D₂O and TMS as internal standard of kaempferitrin.

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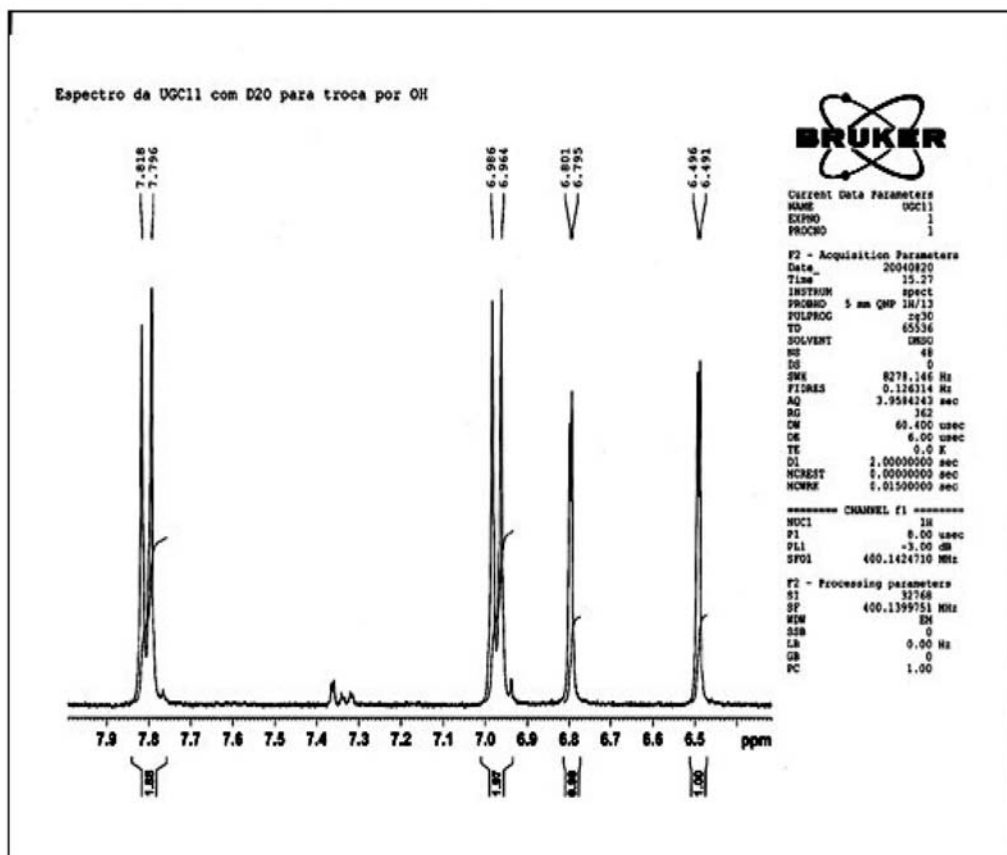


Figure S2. ^1H NMR spectrum (400 MHz), in $\text{DMSO-d}_6/\text{drops D}_2\text{O}$ of the aromatic proton signals of kaempferitrin.

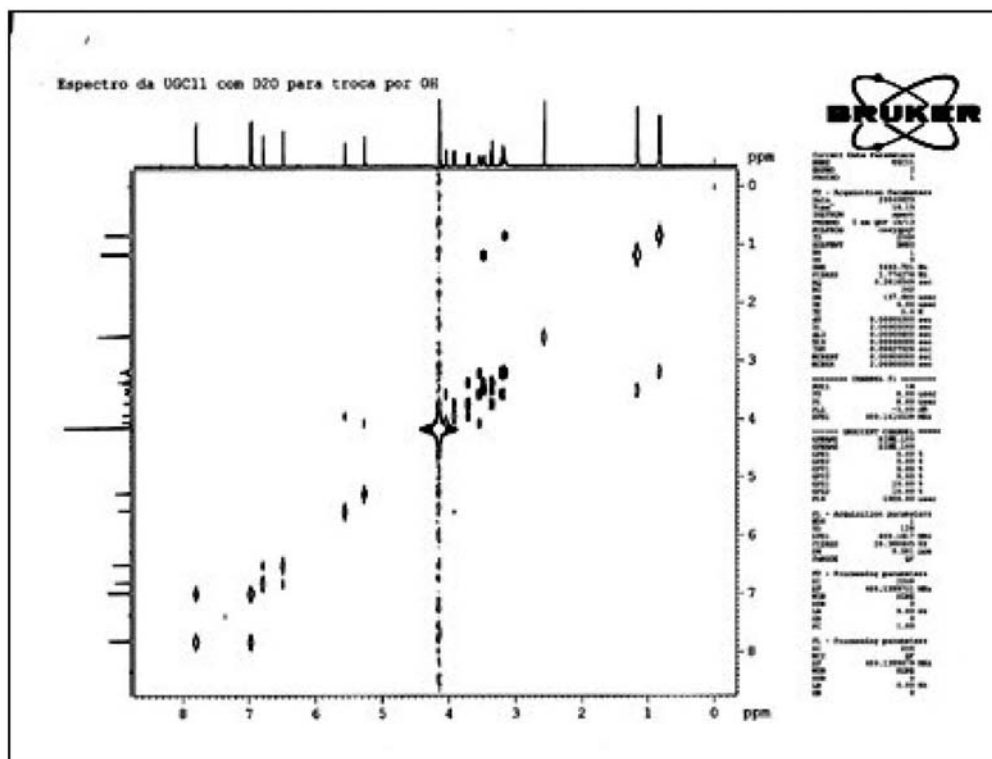


Figure S3. COSY spectrum (400 MHz), in $\text{DMSO-d}_6/\text{drops D}_2\text{O}$ and TMS as internal standard of kaempferitrin.

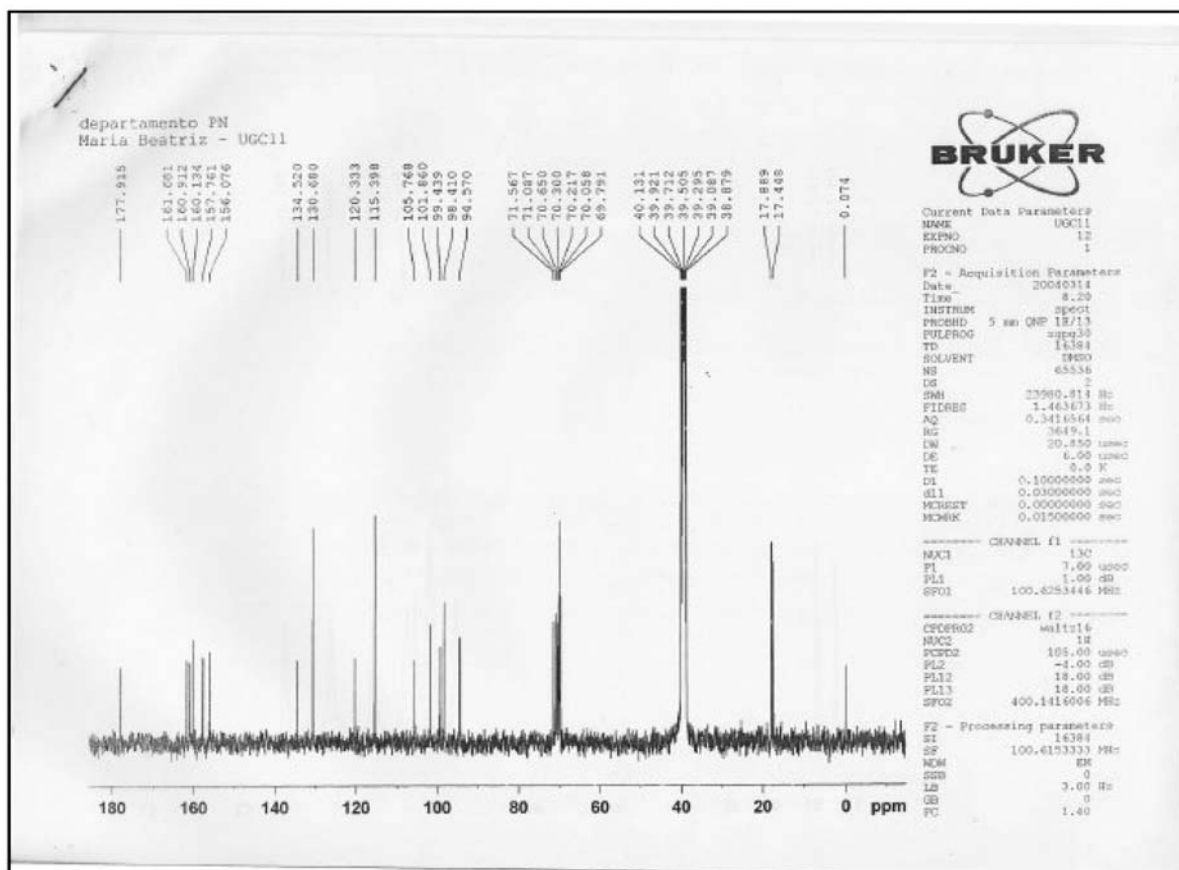


Figure S4. ^{13}C NMR spectrum (100 MHz), in $\text{DMSO-d}_6/\text{drops D}_2\text{O}$ and TMS as internal standard of kaempferitrin.

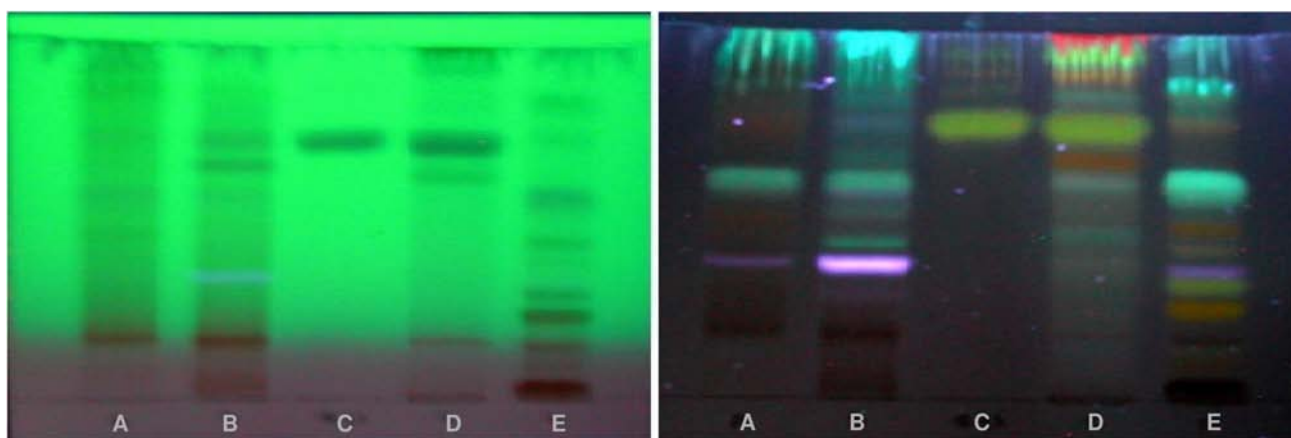


Figure S5. TLC profiles of the $\text{MeOH}/\text{H}_2\text{O}$ fractions of: (A) *U. tomentosa* leaves (25 mg mL^{-1}); (B) *U. tomentosa* barks (25 mg mL^{-1}); (C) kaempferitrin (1 mg mL^{-1}); (D) *U. guianensis* leaves (25 mg mL^{-1}) and (E) *U. guianensis* barks (25 mg mL^{-1}); silica gel, mobile phase $\text{EtOAc}/\text{HCOOH}/\text{HOAc}/\text{H}_2\text{O}$ 100:11:11:27. The left plate under UV at 254 nm and the right plate with NP/PEG-UV at 365 nm. Digital photo.

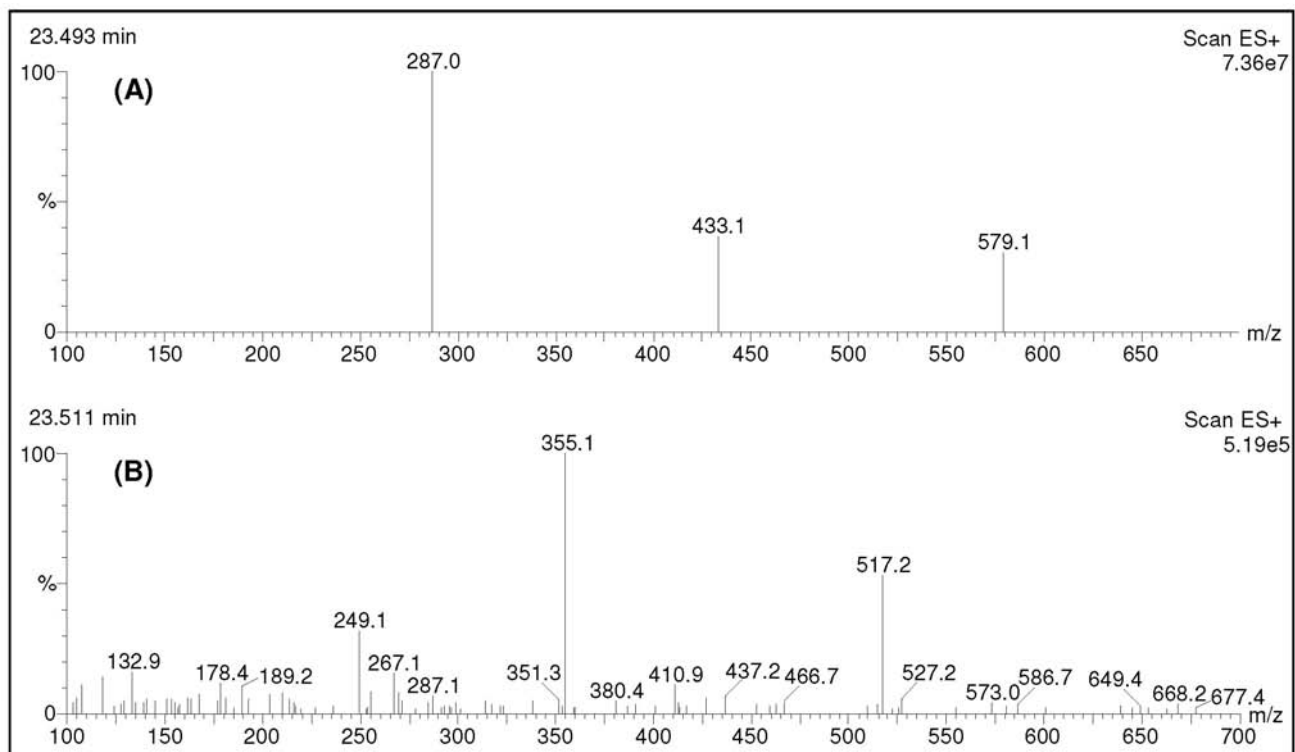


Figure S6. MS of the isolated kaempferitrin at retention time = 23.493 min (A) and MS at the same retention time in leaves of *Uncaria tomentosa* (R_t = 23.511 min) (B).