

Figure S1. ¹H NMR (CD₃OD, 600 MHz) of Kaempferol (1)

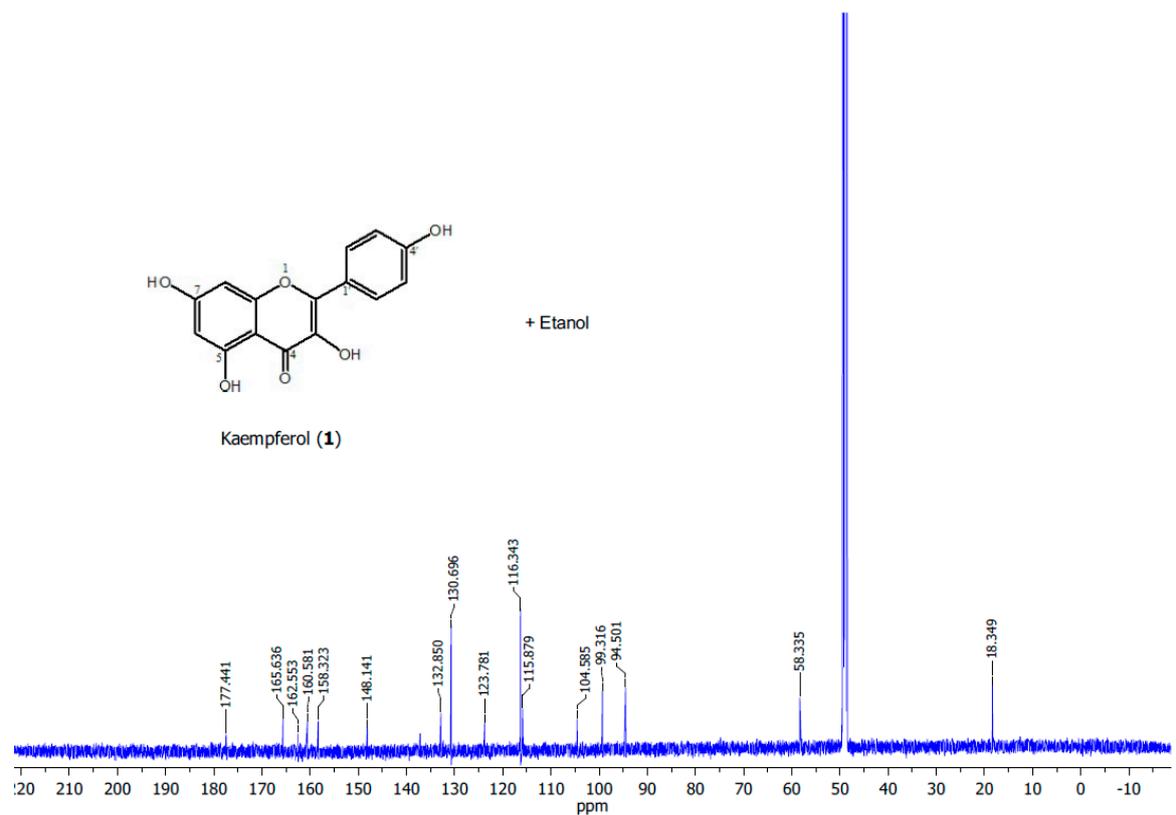


Figure S2. ¹³C NMR (CD₃OD, 150 MHz) of Kaempferol (1)

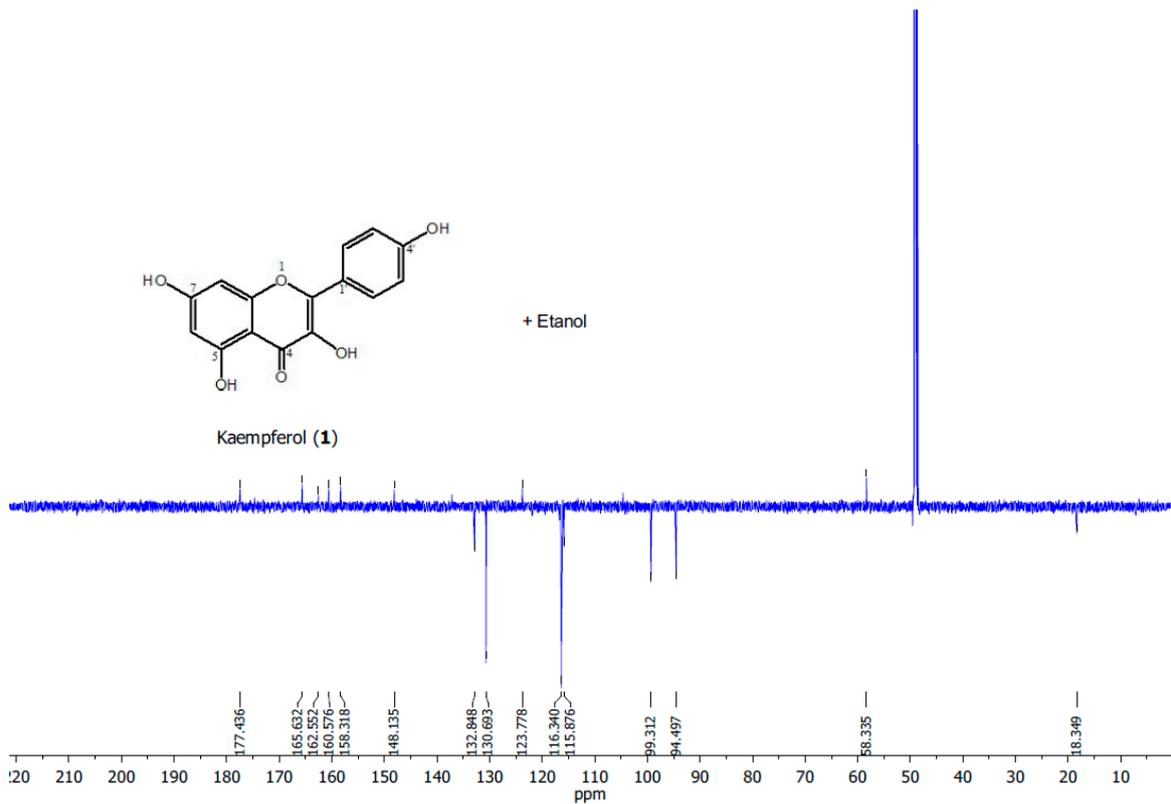


Figure S3. 13C (DEPT) NMR (CD₃OD, 150 MHz) of Kaempferol (1)

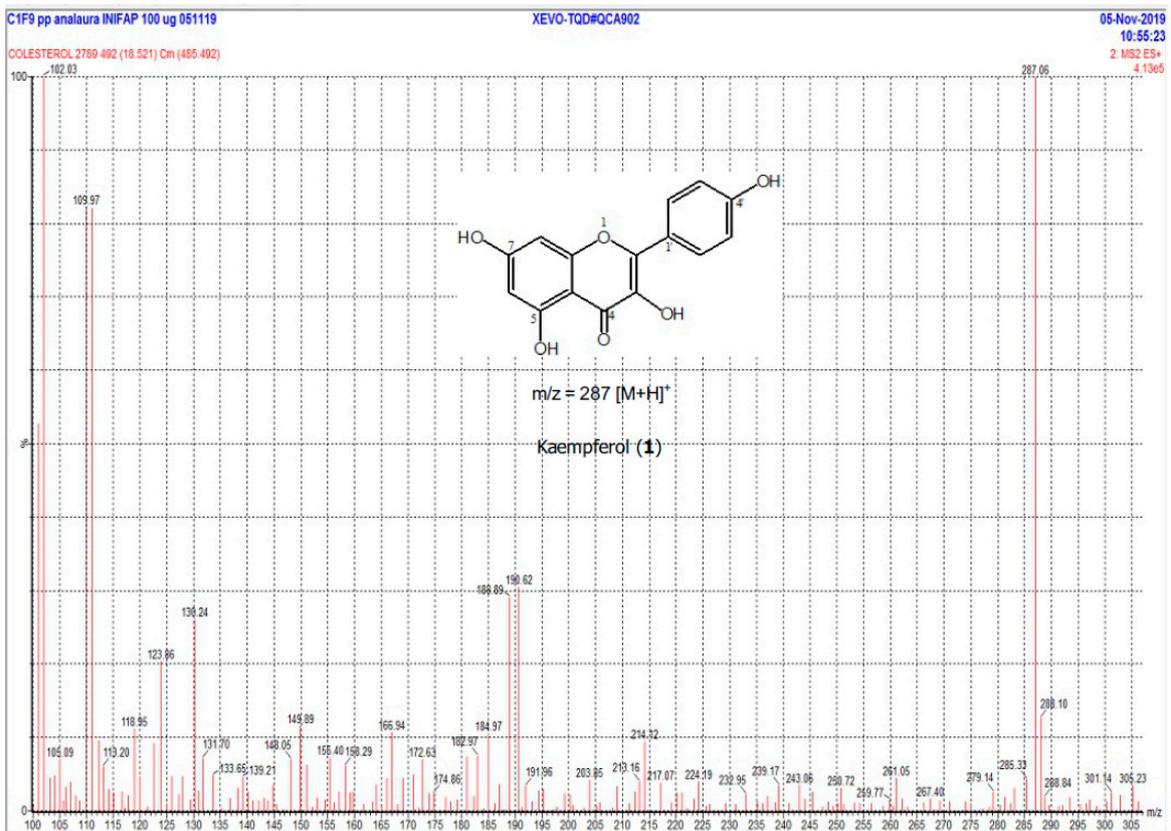


Figure S4. Mass spectrum (MS) of Kaempferol (1)

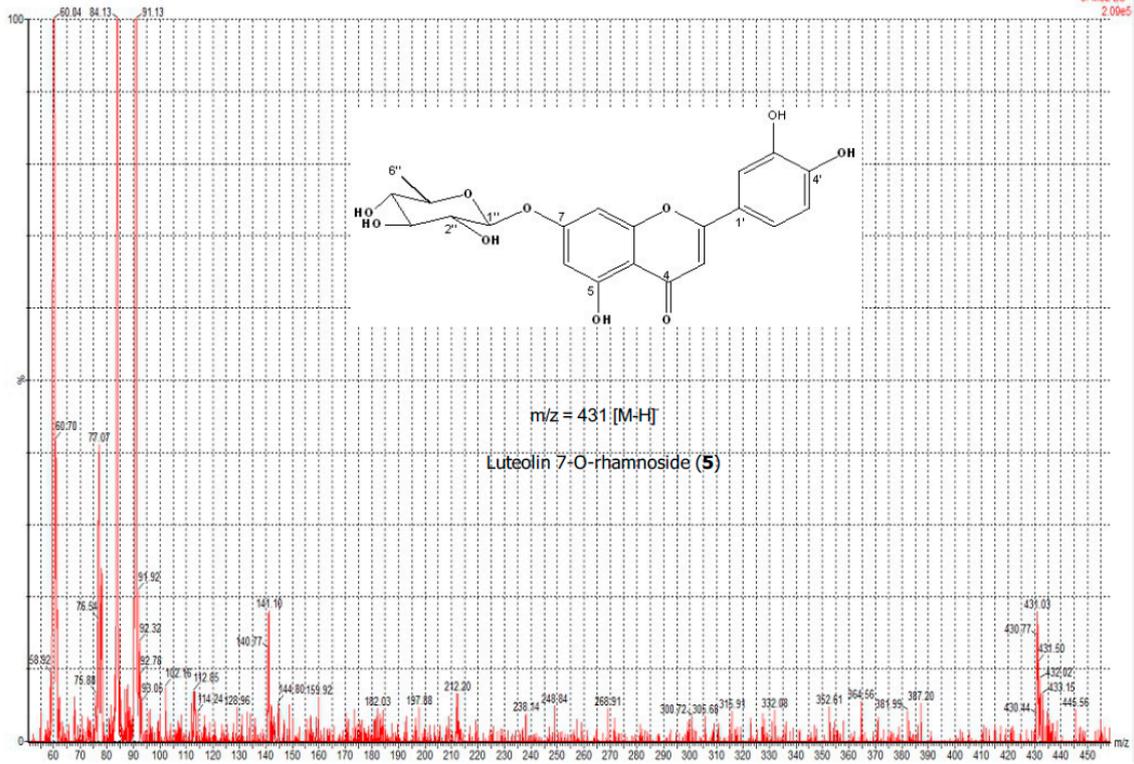


Figure S5. Mass spectrum(MS) of Luteolin 7-O-rhamnoside (5)

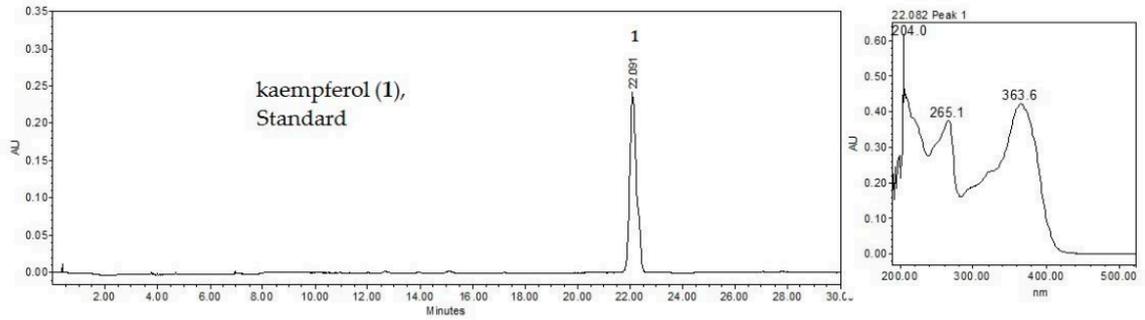


Figure S6. HPLC chromatogram and UV spectrum of Kaempferol (1) standard

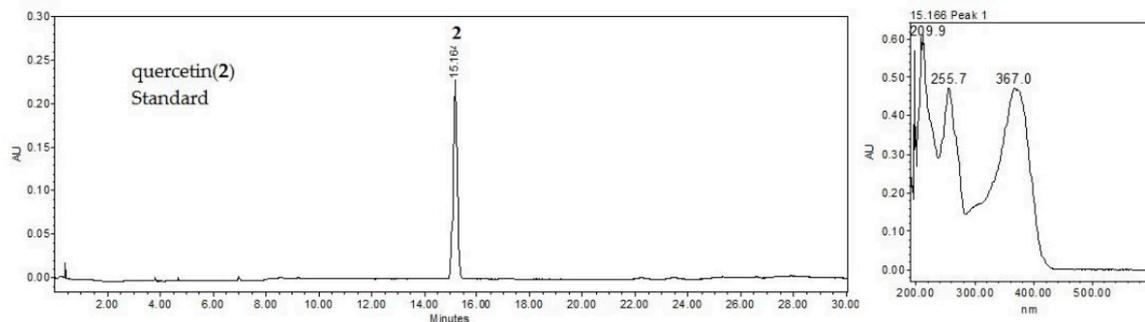


Figure S7. HPLC chromatogram and UV spectrum of Quercetin (2) standard

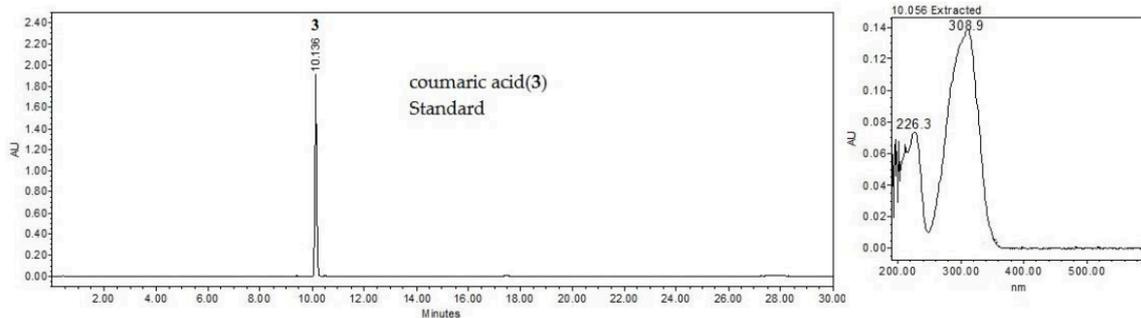


Figure S8. HPLC chromatogram and UV spectrum of Coumaric acid (3) standard

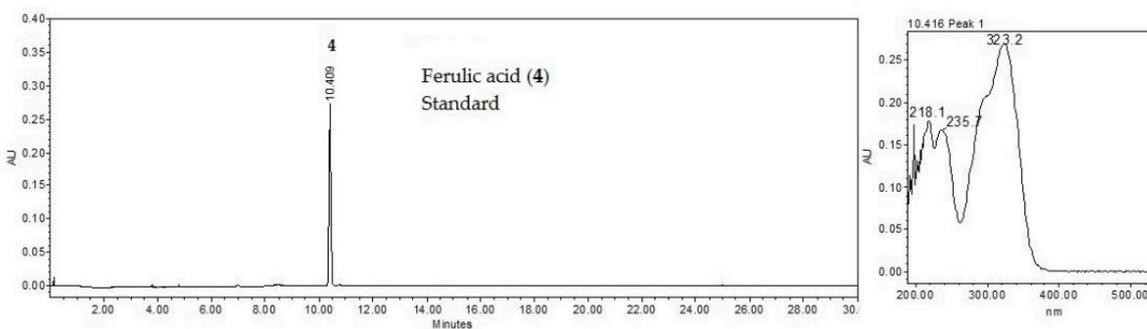


Figure S9. HPLC chromatogram and UV spectrum of Ferulic acid (4) standard

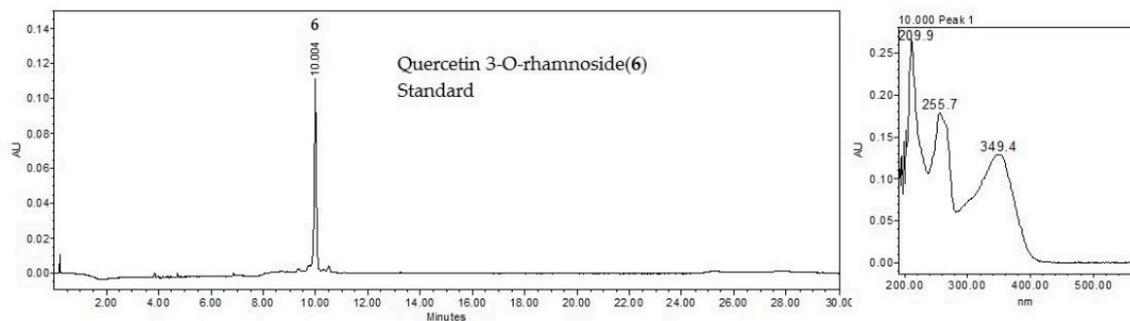


Figure S10. HPLC chromatogram and UV spectrum of quercetin 3-O-rhamnoside (6) standard

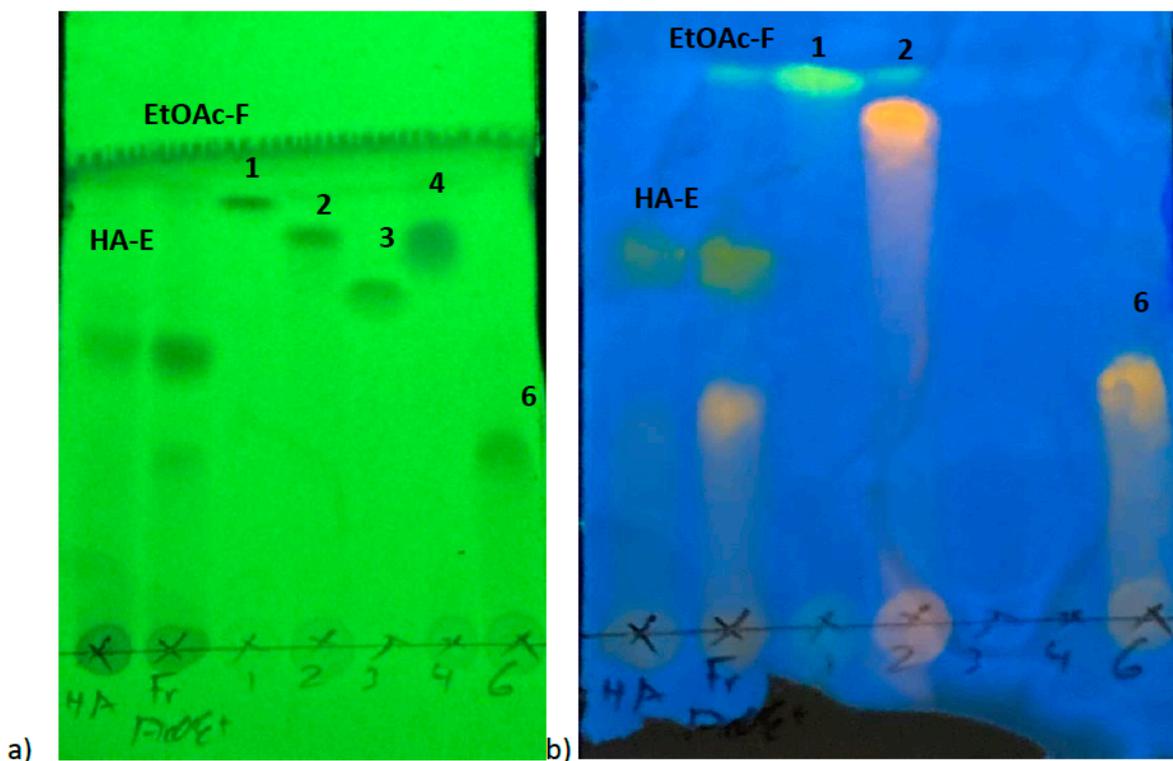


Figure S11. Normal phase TLC of the hydroalcoholic extract (HA-E) and the ethyl acetate fraction (EtOAc-F) compared to compounds 1-4 and 6 (standards). Elution system 85:15 dichloromethane:methanol, a) UV lamp (366 nm) before being developed and b) revealed with flavonoids (254 nm).

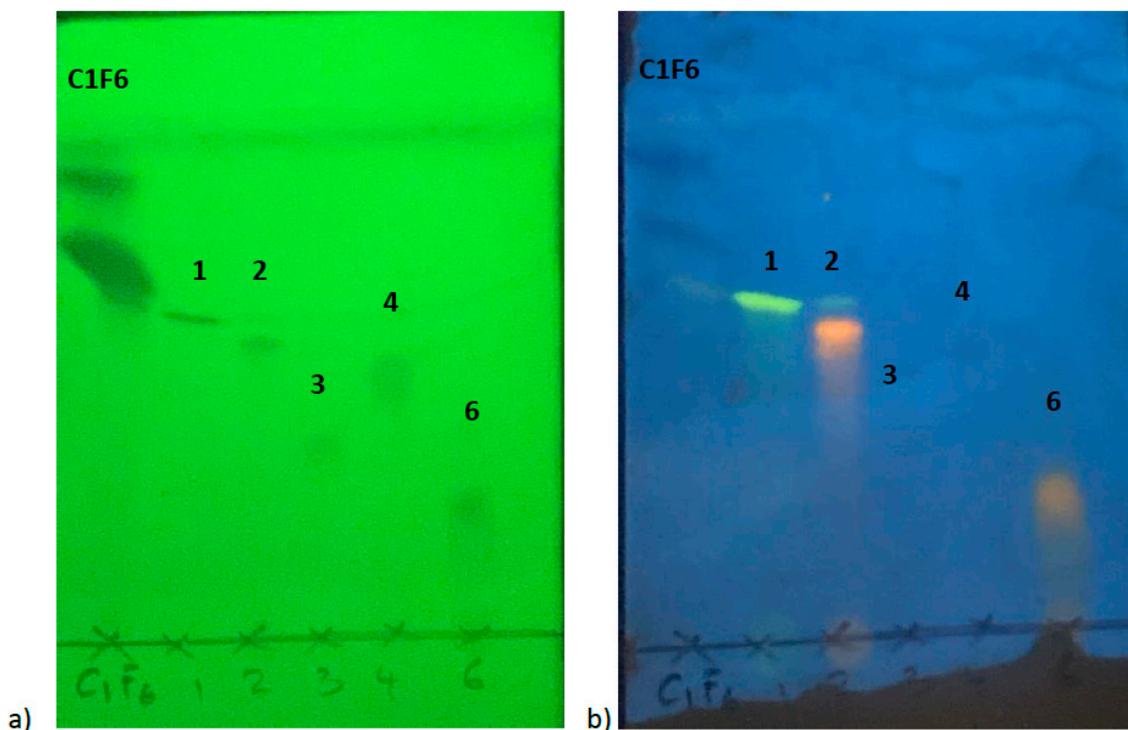


Figure S12. Normal phase TLC of fraction (C1F6) compared to compounds 1-4 and 6 (standards). Elution system 85:15 dichloromethane:methanol, a) UV lamp (366 nm) before being developed and b) revealed with flavonoids (254 nm).

being developed and b) revealed with flavonoids (254 nm).

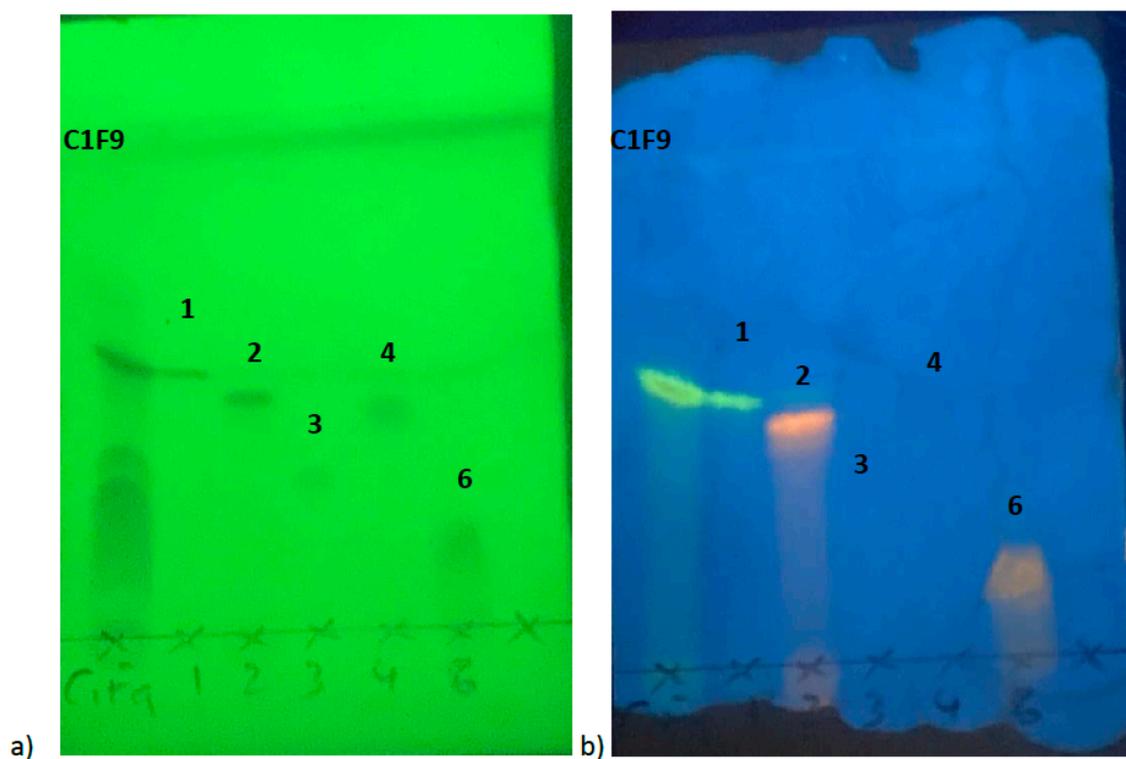


Figure S13. Normal phase TLC of fraction (C1F9) compared to compounds 1-4 and 6 (standards). Elution system 85:15 dichloromethane:methanol, a) UV lamp (366 nm) before being developed and b) revealed with flavonoids (254 nm).

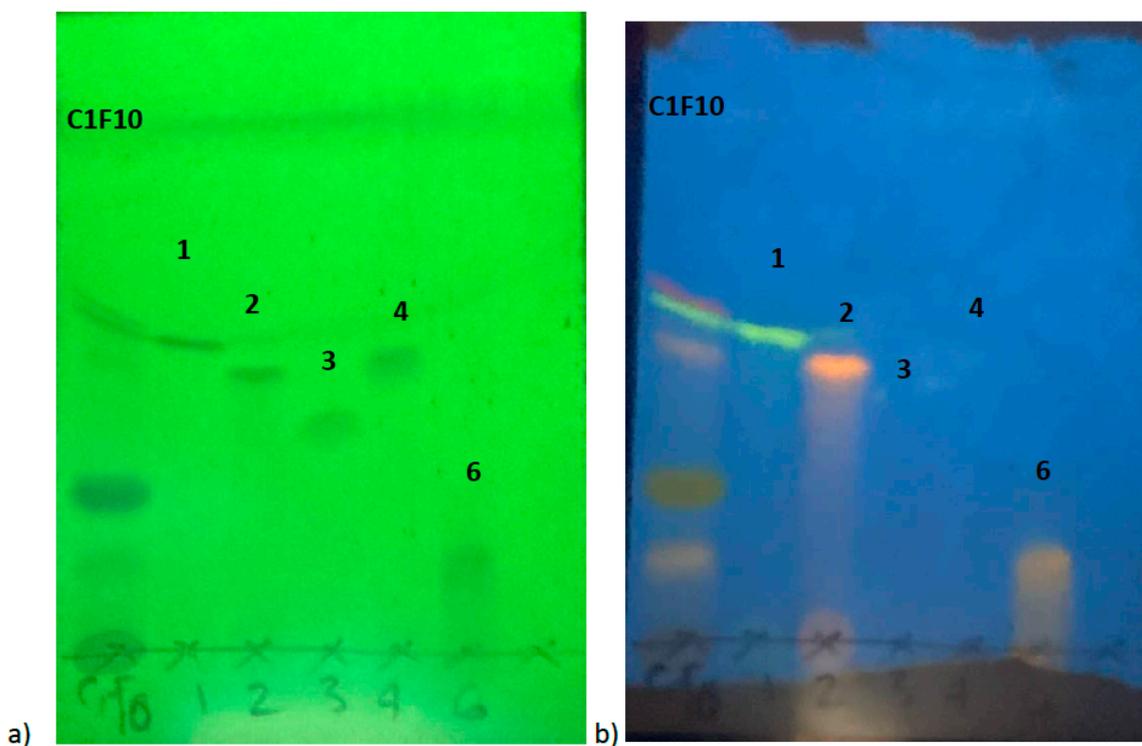


Figure S14. Normal phase TLC of fraction (C1F10) compared to compounds 1-4 and 6 (standards). Elution system 85:15 dichloromethane:methanol, a) UV lamp (366 nm) before being developed and b) revealed with flavonoids (254 nm).

being developed and b) revealed with flavonoids (254 nm).

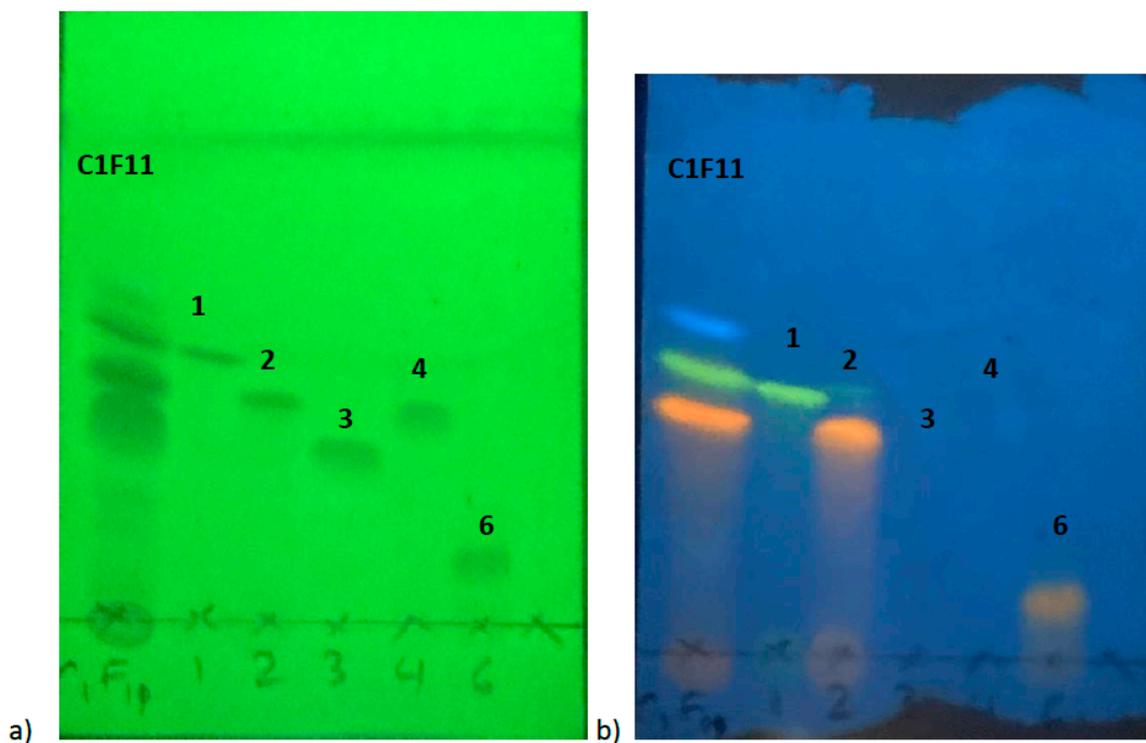


Figure S15. Normal phase TLC of fraction (C1F11) compared to compounds 1-4 and 6 (standards). Elution system 85:15 dichloromethane:methanol, a) UV lamp (366 nm) before being developed and b) revealed with flavonoids (254 nm).

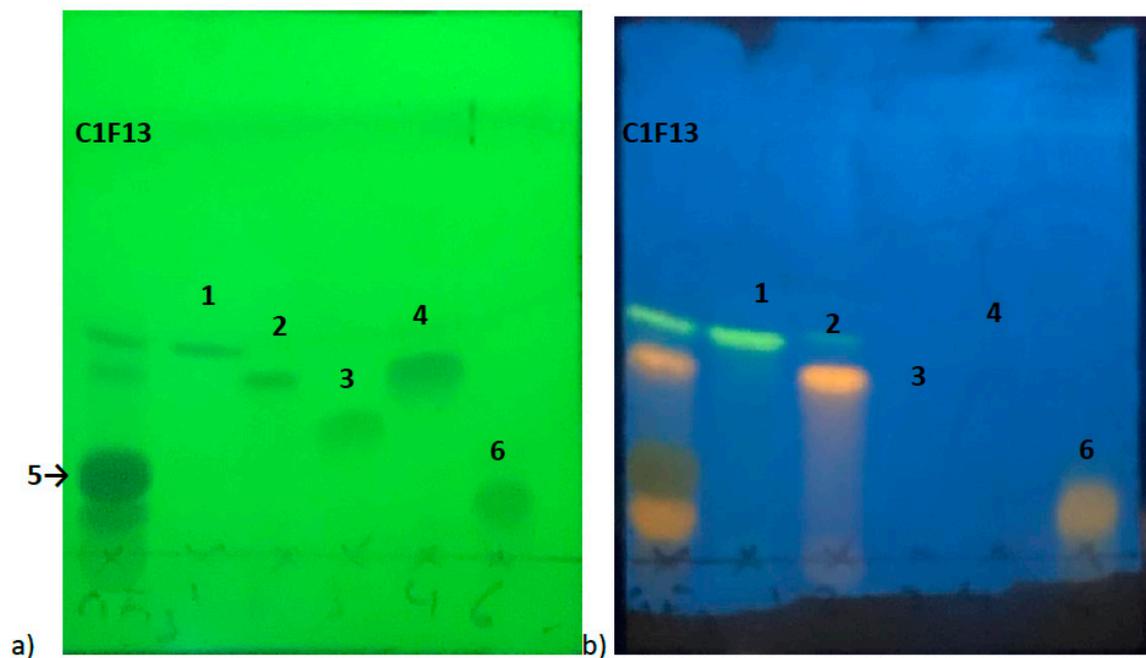


Figure S16. Normal phase TLC of fraction (C1F13) compared to compounds 1-4 and 6 (standards). Elution system 85:15 dichloromethane:methanol, a) UV lamp (366 nm) before being developed and b) revealed with flavonoids (254 nm).

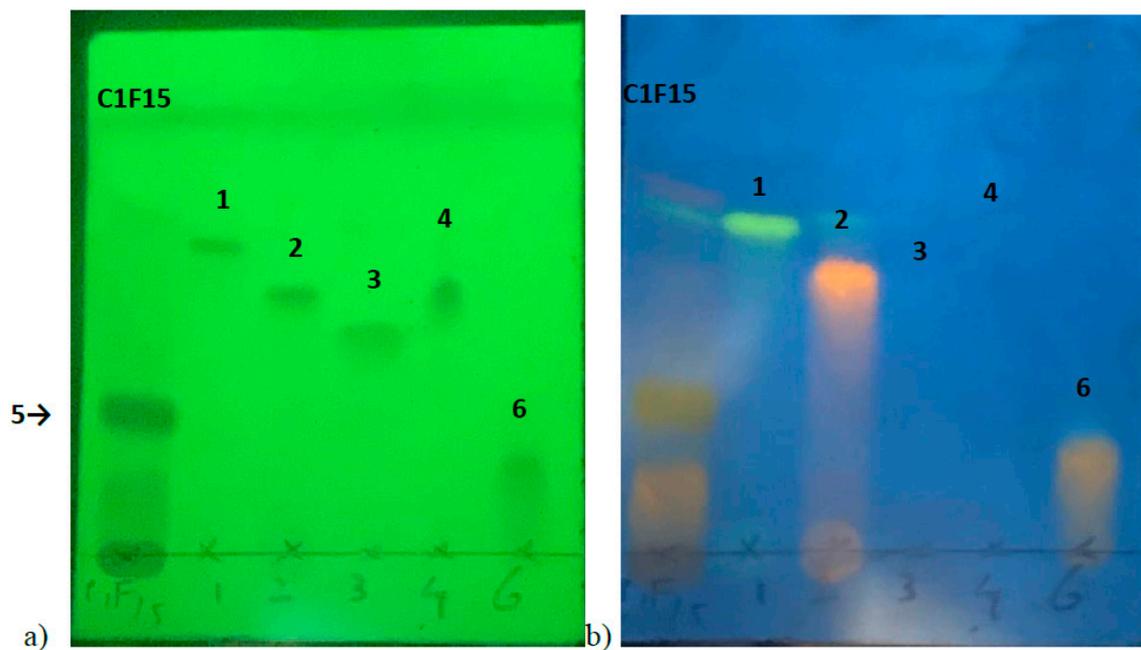


Figure S17. Normal phase TLC of fraction (C1F15) compared to compounds 1-4 and 6 (standards). Elution system 85:15 dichloromethane:methanol, a) UV lamp (366 nm) before being developed and b) revealed with flavonoids (254 nm).