

Supplementary material

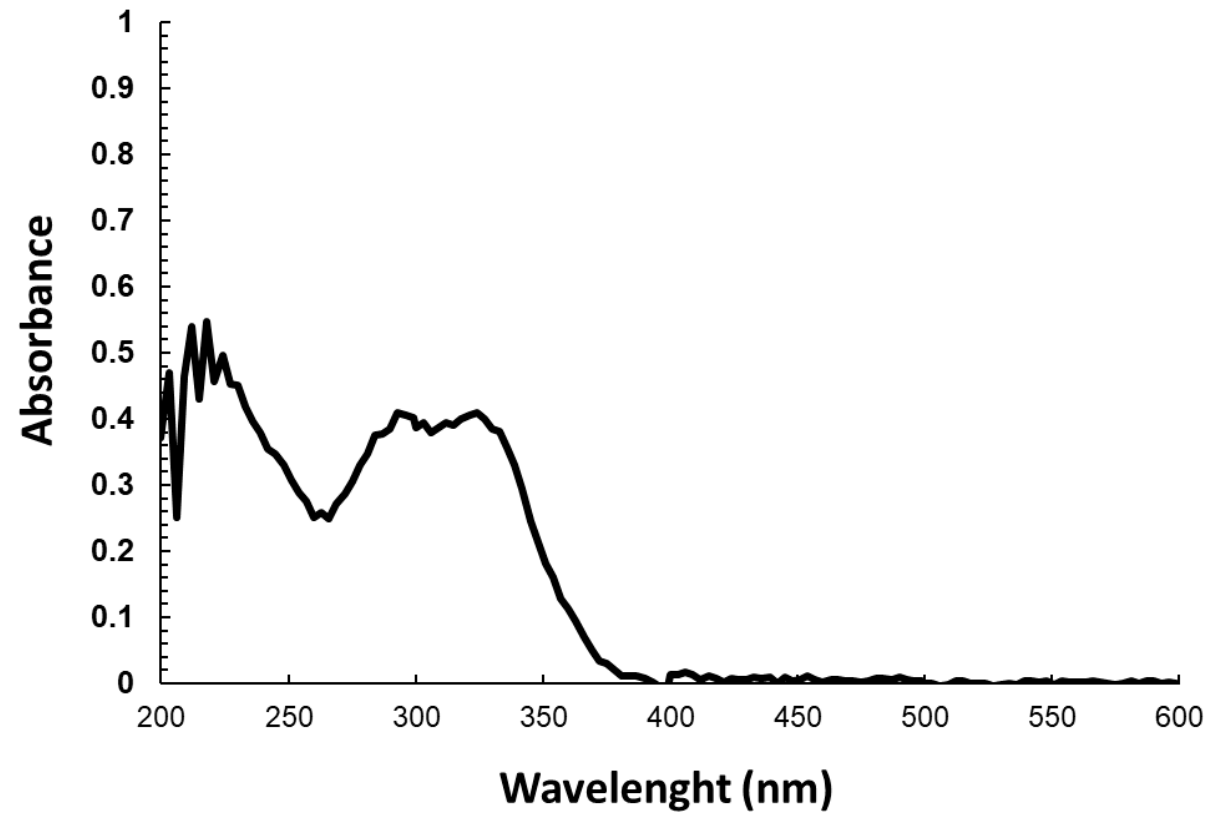


Figure S1. UV–Vis spectrum of the aqueous lyophilized *Ipomoea pes-caprae* at 0.12 mg/mL.

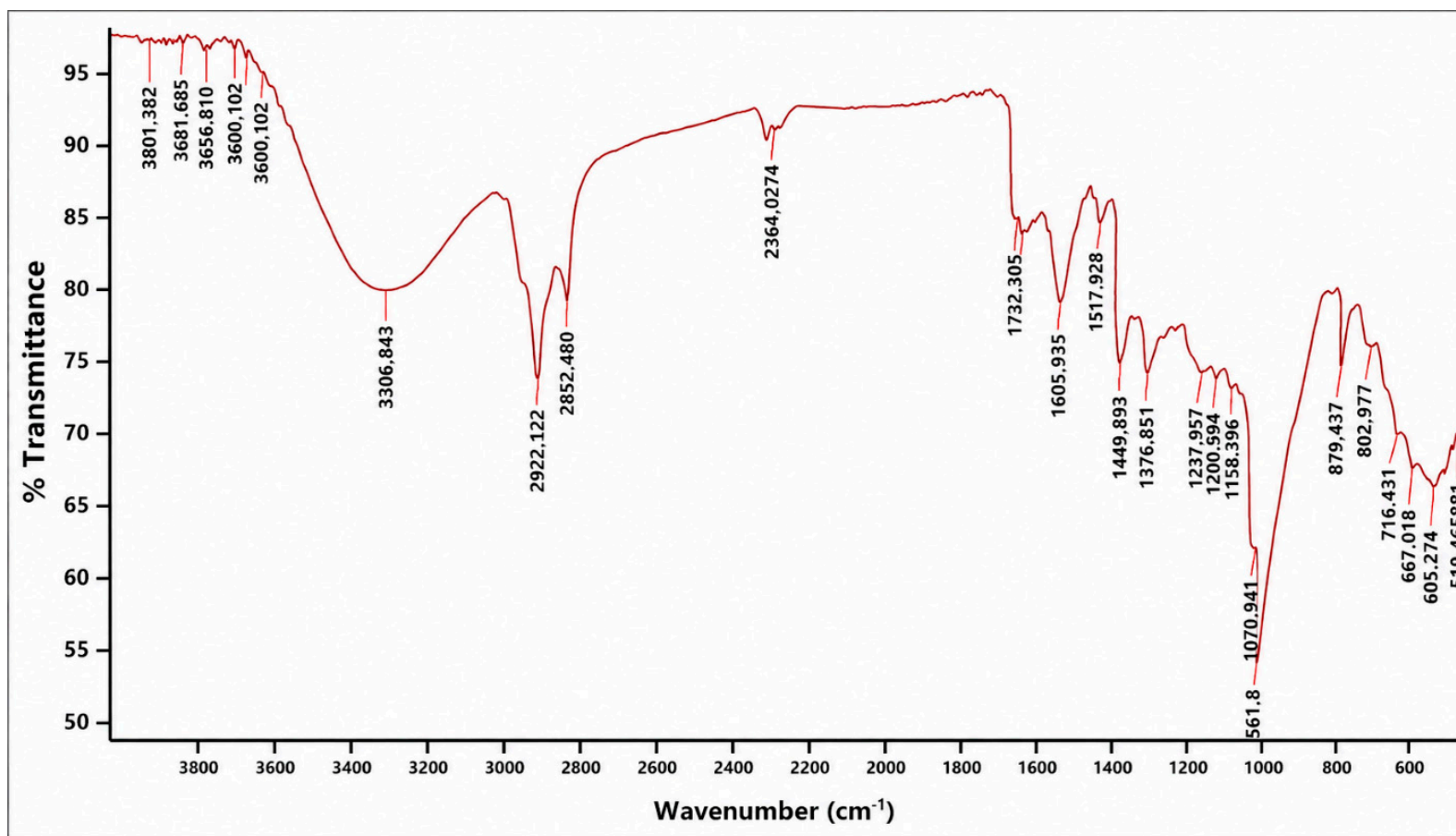


Figure S2. FTIR of the aqueous lyophilized of IPCAE

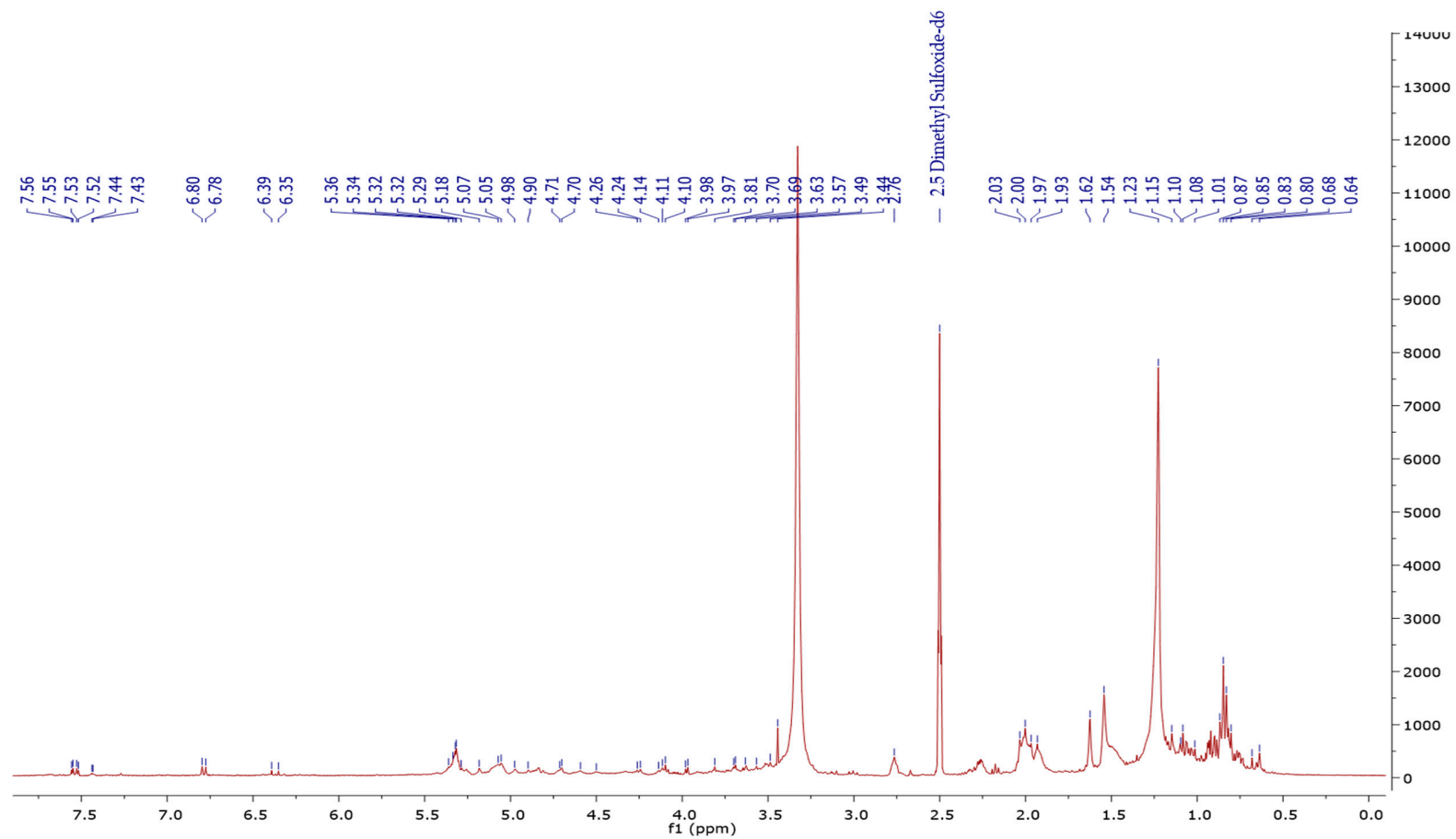


Figure S3. ^1H -NMR spectrum (400 MHz) of IPCAE at 0.12 mg/mL in dimethyl sulfoxide-d6 (DMSO-d6).

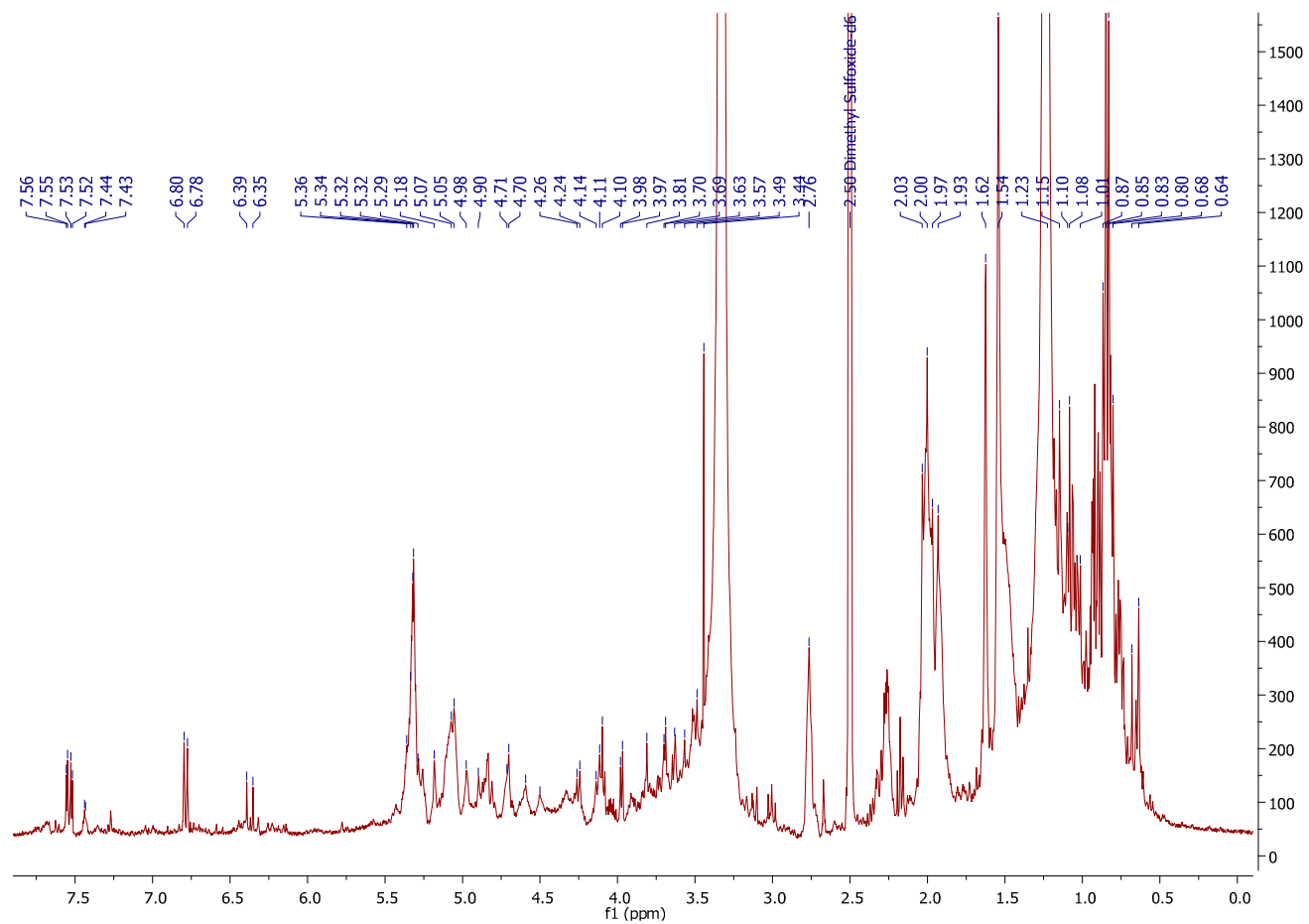


Figure S4. NMR ^1H spectrum at 400 MHz of IPCAE at 0.12 mg/mL in dimethyl sulfoxide- d_6 (expansion 0 to 7.5 ppm).

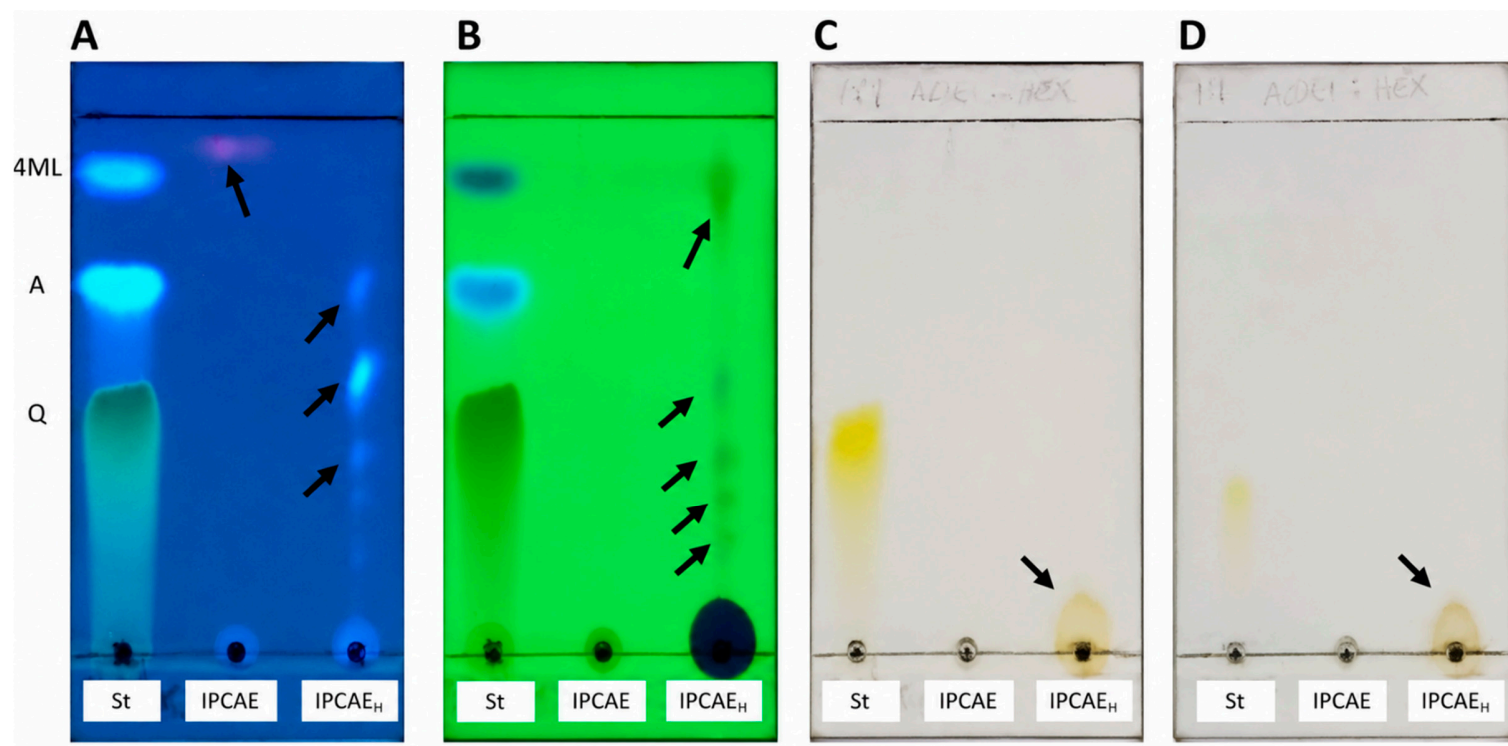


Fig S5. Thin-layer chromatography (TLC) profile of IPCAE and IPCAEh. The samples were eluted using a hexane:ethyl acetate (1:1, v/v) mobile phase. As reference standards, quercetin (Q), anthrone (Ant), and 4-methylumbelliferone (4ML) were used at a concentration of 1 mg/mL. The plates were visualized under (A) long-wave UV light (365 nm), (B) short-wave UV light (254 nm), and after derivatization with (C) aluminum chloride and (D) Dragendorff's reagent. Arrows indicate the spots observed under each visualization condition.