SUPPLEMENTARY MATERIAL

Antimicrobial potential of single metabolites of *Curcuma longa* assessed in the total extract by thinlayer chromatography-based bioautography and image analysis

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Figure S1. Purity of curcumin isolated by the hydrostatic counter-current chromatography in the HPLC chromatogram recorded at 425 nm



Figure S2. EIC chromatograms of identified compounds present in the studied extracts of turmeric



Figure S3. Fragmentation patterns of curcuminoids isolated by counter-current chromatography recorded in the CID collision energy of 20 V

Curcumin









Bisdemethoxycurcumin Curcumin Demethoxycurcumin ar-Turmerone (CU) (DMCU) (BDMCU) (TUR) [M+H]⁺=217 [M+H]+=369 [M+H]+=339 [M+H]+==309 x10 7 +ESI TIC Scan Frag=150.0V curcet_A_dcm.d Scan Frag=150.0V curcuma_2__5MeDCM.d 10 7 +ESI TIC 8 x10 7 +ESI TIC Sca g=150.0V curc339 5meohdcm.d x10⁷ dcm.d +ESI 1.3-1.2-1.1-0.9-0.8-0.7-0.6-0.5-0.4-0.3-0.9 3.5 0.8 3 0.7 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.2 2.5 0.6 2 0.4 1.5 0.3 0.2 <u>0</u>,2 0.1 <u>е</u>.n (rt: 2.006 min) Frag rt: 2.703 min) F can (rt: 4.656 min) Frag=150.0V na_2__5M ×10⁶ 1.8 1.6 1.4 x10 369.1299 2.5 339,1175 164,1411 * 217 1623 3.5 309.1042 3 2.5 192.1746 245.0650 455.2943 513.03 759.21 3 350 400 450 500 550 600 650 Counts vs. Mass-to-Charge (m/z) 350 400 450 500 550 600 650 Counts vs. Mass-to-Charge (m/z) 300 350 400 450 500 550 600 650 Counts vs. Mass-to-Charge (m/z) 150 700 750 80 50 600 650 Charge (m/z)

Table S1. The identification of active zones on the TLC chromatograms by a TLC-MS interface coupled with a mass spectrometer.