

Supporting Information

Rec. Nat. Prod. 18:4 (2024) 436-445

Assessment of the Allelopathic Effect, Antimicrobial Potential and Chemical Composition of *Senecio anteuphorbium* L. Essential Oil

Hassan Laouane^{1*}, Sanae Bouajaj², EL Mehdi Darrag²,
Abdennaji Benyamna², Lamia Hamrouni³
and Abderrahmane Romane²

¹ *Laboratory of Molecular Chemistry, Department of Chemistry, Faculty of Science Semlalia, BP 2390, Marrakech 40001, Morocco*

² *Laboratory of Applied Chemistry and Biomass, Faculty of Sciences Semlalia BP. 2390, Cadi Ayyad University, Marrakech, Morocco.*

³ *Laboratory of management and valorization of forest resources, INRGREF, Tunisia*

Table of Contents	Page
Table S1 : Antibacterial activity of essential oils (1.0 µg/mL) in disc-diffusion method, inhibition zones in mm.	2
hydroxymethylphenoxy)-3-O-trans-cinnamoyl-β-D-glucoside)	
Figure S1 : GC chromatogram of <i>Senecio anteuphorbium</i> L. essential oil	3

Table S1 : Antibacterial activity of essential oils (1.0 µg/mL) in disc-diffusion method, inhibition zones in mm.

	<i>E.coli</i> ATCC 25922	<i>P. mirabili</i> ATCC 35659	<i>B.cereus</i> ATCC 10876	<i>C. albicans</i> ATCC 10231	<i>A. brasiliensis</i> ATCC 16404
EO	55±2.5	60±2	40±3	0.0±0.0	23±0.0
Ampicilline (10µg)	0.0±0.0	0.0±0.0	8±1		
Cephazoline (30 µg)	0.0±0.0	0.0±0.0	0.0±0.0		
Ceprofloxacin (5µg)	0.0±0.0	0.0±0.0	0.0±0.0		
Chloramphenicol (30µg)	30±2	0.0±0.0	0.0±0.0		
Colistine (10µg)	12±1.1	10.3±0.5	20±2		
Erythromycine (15µg)	60±3.5	0.0±0.0	0.0±0.0		
Gentamicine (10 UI)	30±2	16±1.2	0.0±0.0		
Nalidixic acid (30µg)	27±2.0	18±0.0	20±2		
Norfloxacin (5µg)	0.0±0.0	17±6.1	22±0.0		
Oxacilline (5µg)	0.0±0.0	0.0±0.0	15±6.2		
Pénicilline (10 UI) (6µg)	40±2	0.0±0.0	17.3±0.4		
Polymyxine (300 UI)	11±1.1	0.0±0.0	19.6±1.5		
Pristinamycine (15µg)	0.0±0.0	20±2	14.6±1.5		
Rifampicin (30µg)	15±1.0	13±0.0	12±0.0		
Riphampine (5mcg)	0.0±0.0	0.0±0.0	0.0±0.0		
Trimethoprime (5µg)	16±2	25±1.3	15±0.0		
5-Fluorocytosine (1µg)				0.0±0.0	0.0±0.0
Amphoptericine (100 µg)				10±0.0	8±1.4
Clotimazole (50µg)				10.0±0.0	24±0.0
Deptil-BFC (17%)				32.3±0.6	26±0.0
Econazole (50µg)				19.4±0.4	20±2.3
Miconazole (50µg)				19.3±1.1	14.3±6.3

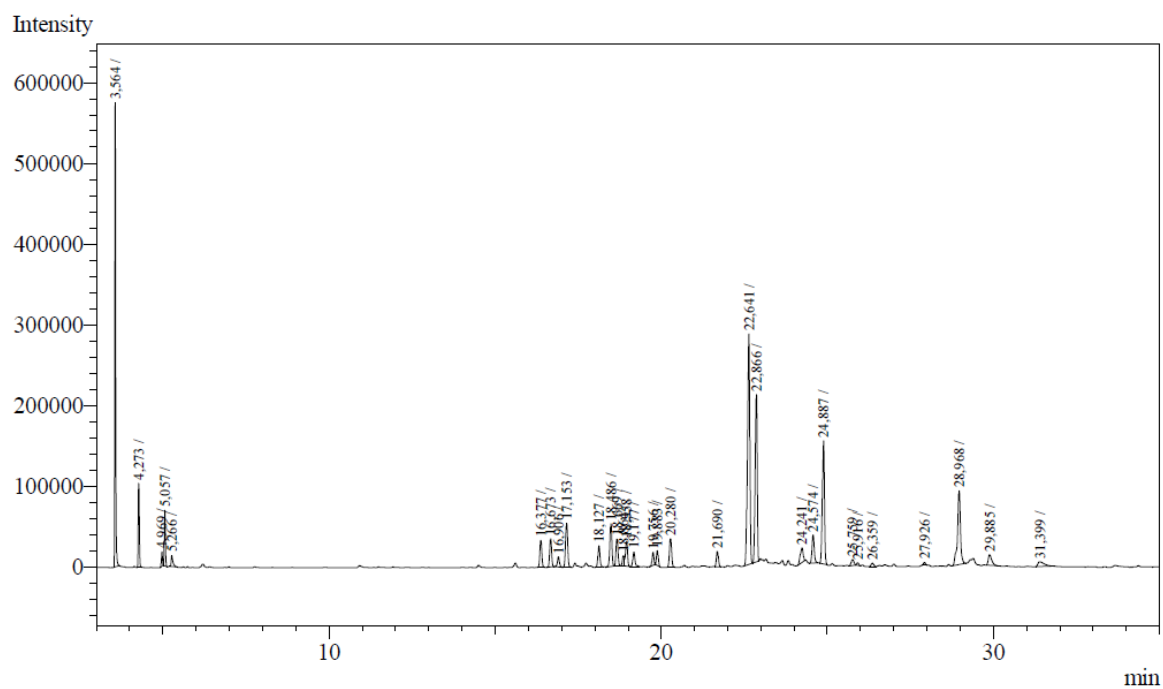


Figure S1: GC chromatogram of *Senecio anteuphorbium* L. essential oil