

Table S1 Composition of plant leaves of *Guiera senegalensis*, *Pluchea odorata*, and *Piliostigma reticulatum*.

Plant species	Composition	Plant origin	Reference
<i>Guiera senegalensis</i>	Carbohydrates, steroids, saponins, flavonoids, alkoids, tannins, cardiac glycosides, ascorbic acid, terpenoids	Nigeria, Burkina Faso	Tine Y, Diop M, Ndoye I, Diallo A, et Wele A. 2019. Revue bibliographique sur la composition chimique et les activités biologiques de <i>Guiera senegalensis</i> J.F. Gmel. (Combretaceae). Int. J. Biol. Chem. Sci. 13(7): 3449-3462
	Alkoids, tannins, flavonoids, anthraquinones, terpenoids, saponins, carbohydrates, glycosides	Nigeria	Biu AA, Buratai LB, Onyedim PN, Hambali IU, Ngulde SI, Zakariah M, Lawal JR. 2016. Phytochemistry, toxicity and in vitro antitrypanosomal efficacy of crude aqueous extract of <i>Guiera senegalensis</i> stem bark. Bangladesh J. Vet. Med., 14(1): 93–97. DOI: https://doi.org/10.3329/bjvm.v14i1.2883 1.
	Carbohydrate, sterols, saponins, flavonoids, alkoids	Nigeria	Salihu SO, Usman AA. 2015. Antimicrobial and phytochemical study of the bioactive fractions of <i>Guiera senegalensis</i> from Alasan Tambuwal, Nigeria. J. Pharmacogn. Phytochem., 3(6): 106– 111.
	alkoids anthraquinolones, tannin, phlobotannins	Maiduguri metropolis	Mamman IA, Isa MA. 2013. Phytochemical And Antibacterial Activity of Leave Extracts Of <i>Guiera senegalensis</i> Lam On Selected Species Of Gram Positive And Gram Negative Bacteria. Int. J. Environ., 2(1): 262–268. DOI: https://doi.org/10.3126/ije.v2i1.9226
<i>Piliostigma reticulatum</i>	Tannins, flavonoids, saponosides	Senegal	Faye EO, Gueye R, Diop A, Faye IW, Dieye PI, Tirera H, Wane TM, Badji KD, Dieng M, Dieng A, Diop A, Thiam K, Sarr SO, Diop Diop YM. 2022. Caractérisation phytochimique et étude de l'activité antimicrobienne d'extraits de feuilles de trois plantes de la flore sénégalaise : <i>Detarium senegalense</i> , <i>Detarium microcarpum</i> et <i>Piliostigma reticulatum</i> Int. J. Biol. Chem. Sci. 16(1): 286-299,
	Water, protein, lipids, carbohydrates, cellulose, ash, Ca, vitamin C, flavonoids, L-tartaric acid, quercitroside, Ca and K tartrates; saponoside, benzoic BEA, tannins, rutosides.	Burkina Faso	Nacoulma, O.G., 1996. Plantes médicinales et pratiques traditionnelles au BF : cas du Plateau central. Tome 1 et Tome II. Thèse d'Etat, Université d'Ouagadougou! Burkina Faso, 261.
<i>Pluchea odorata</i>	Triterpenes, phytosterols, sesquiterpenes, flavonols	Mexico	Wollenweber E, Mann K, Arriaga FJ, Yatskievych G. 1985. Flavonoids and Terpenoids from the Leaf Resin of <i>Pluchea odorata</i> . Z. Naturforsch. 40c, 321-324
	Phenol, kaempferol, myricetin quercetin	Cuba	Córdova WHP, Tabart J., Quesada AG, Sipel A, Hill ALP, Kevers C, Dommes J. 2010. Antioxidant capacity of three cuban species of the Genus <i>Pluchea</i> cass. (Asteraceae). Journal of Food Biochemistry 34, 249– 261. DOI: 10.1111/j.1745-4514.2009.00328.x
	Polyphenols, flavonoids, and sesquiterpenes	Guatemala	S Gridling M, Stark N, Madlener S, Lackner A., Popescu R, Benedek B, Diaz R, Tut FM, Vo TPN, Huber D, Gollinger M, Saiko P, Ozmen A, Mosgoeller W, Martin RD, Eytner R, Wagner KH, Grusch M, Fritzer-Szekeres M, Szekeres T, Kopp B, Frisch R, Krupitza G. 2009. In vitro anti-cancer activity of two ethno-pharmacological healing plants from Guatemala <i>Pluchea odorata</i> and <i>Phlebodium decumanum</i> . International Journal Of Oncology. 34, 1117-1128.

