Supplementary material

Table S1. Linear regression equation analysis, limit of detection (LOD) and limit of quantification (LOQ) for external standards.

Standard [1]	regression equation			linearity range (μg/mL)	LOD (μg/mL)	LOQ (μg/mL)
	slope (σ)	intercept (b)	R^2 (n = 3)			
gallic acid	63.644	−156.840	0.9998	6.25–200	0.116	0.352
myricetin-3-*O*-glucoside	16.314	−79.310	0.9997	12.5–400	2.515	7.621
myricitrin	38.099	−376.870	0.9999	25–800	0.973	2.949
quercetin-3-*O*-galactoside	57.521	−431.470	0.9953	6.25–200	0.122	0.371
quercetin-3-*O*-glucoside	25.381	−46.102	0.9996	4.69–150	0.469	1.422
quercetin-3-*O*-arabinoside	20.192	20.251	0.9998	2.5–80	0.158	0.479
quercetin-3-*O*-rhamnoside	28.511	−38.083	0.9997	2.81–90	0.398	1.205
myricetin	43.683	−149.500	0.9996	6.25–200	0.311	0.943
kaempferol-3-*O*-glucoside	29.610	−26.566	0.9999	6.25–200	1.099	3.330
quercetin	39.213	−18.603	0.9985	0.78–25	0.085	0.257
hesperetin	63.191	0.981	0.9991	1.56–50	0.089	0.271
isorhamnetin	14.284	0.782	0.9992	0.94–30	0.078	0.237
mangiferin	19.527	1394.000	0.9961	500–2000	370.744	1123.466
chlorophyll *a*	7.292E-05	8.000E+06	0.9991	6.25–1600	2.181	6.609
chlorophyll *b*	9.610E-05	2.000E+06	0.9976	6.25–200	1.426	4.321

[1] Myricetin-3-*O*-glucoside (**14**), myricetin-3-*O*-rhamnoside (**19**), quercetin-3-*O*-galactoside (**20**), quercetin-3-*O*-glucoside (**21**), quercetin-3-*O*-arabinoside (**23**), quercetin-3-*O*-rhamnoside (**24**), myricetin (**25**), quercetin (**28**), hesperetin (**32**) and isorhamnetin (**33**) were quantified as themselves. Gallic acid was used to quantify compounds **1**-**10**; myricetin-3-*O*-glucoside for compounds **11**-**13**, **15** and **18**; quercetin-3-*O*-galactoside for compounds **16** and **17**; quercetin-3-*O*-arabinoside for compound **22**; kaempferol-3-*O*-glucoside for compounds **26**, **27**, **29**-**31;** and mangiferin for compound **34** (Figure 1 and Table 2). Chlorophylls *a* (**4**) and *b* (**2**) were quantified as themselves. Chlorophyll *a* was used to quantify compounds **1**, **3-5**, **7** and **10;** chlorophyll *b* for compounds **2**, **6**, **8-9** and **11** (Figure 3 and Table 3).

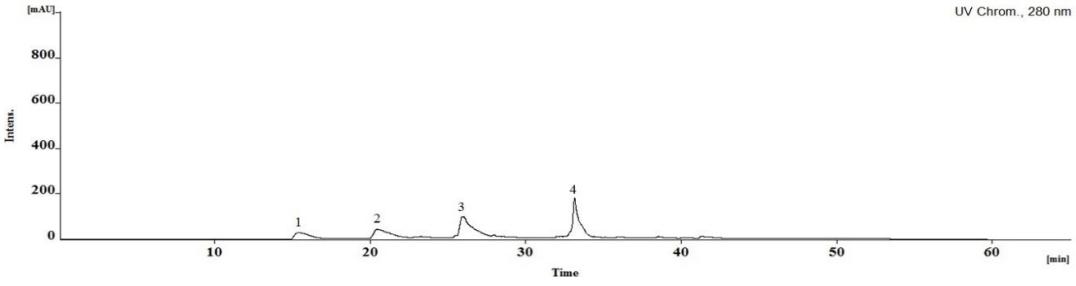

Figure S1. HPLC-UV profile of the alkaloid-targeted *G. senegalensis* leaves extract, using a reverse phase Luna C18 (Phenomenex, California, USA) with spectra acquisition in continuous scan mode from 200 to 600 nm, and the chromatogram recorded at 280 nm. The solvent system was composed by H_2O (pH 2 with H_3PO_4) (elunt A) and acetonitrile:water (90:10, v/v) (eluent B) and the gradient used was: 0 min – 90% B, 15 min – 50% B, 17 – 35 min – 90% B.