

Table S5. Semi-quantitative values of the main phytochemical classes of *Rhinanthus angustifolius* extracted with different methods (i.e., homogenizer, maceration, soxhlet) and different solvents (ethyl acetate, ethanol, methanol, water).

Methods	Solvents	Polyphenols	Sesquiterpene lactones	Triterpenes	Alkaloids
Homogenizer (HAE)	EA	136.97 ± 3.95 ^c	47.73 ± 2.72 ^{bc}	6.71 ± 0.33 ^{ab}	0.39 ± 0.02 ^{cd}
	EtOH	176.89 ± 4.3 ^a	44.11 ± 3.7 ^{bc}	5.57 ± 2.31 ^{abc}	0.52 ± 0.23 ^{cd}
	MetOH	172.57 ± 6.74 ^a	59.44 ± 11.68 ^a	6.41 ± 0.69 ^{abc}	0.73 ± 0.28 ^{bc}
	H2O	106.41 ± 6.15 ^e	31.21 ± 0.74 ^e	1.29 ± 0.33 ^e	0.9 ± 0.31 ^{ab}
Maceration (MAC)	EA	148.18 ± 5.58 ^b	44.88 ± 1.12 ^{bc}	5.45 ± 1.75 ^{abc}	0.32 ± 0.05 ^d
	EtOH	152.86 ± 6.99 ^b	42.01 ± 3.55 ^{cd}	6.43 ± 0.17 ^{abc}	1.18 ± 0.39 ^a
	MetOH	145.27 ± 6.64 ^{bc}	53.9 ± 9.6 ^{ab}	4.47 ± 1.72 ^{bcd}	0.68 ± 0.23 ^{bcd}
	H2O	99.4 ± 7.14 ^e	31.52 ± 8.34 ^e	0.68 ± 0.1 ^e	0.51 ± 0.06 ^{cd}
Soxhlet (SOX)	EA	155.72 ± 9.54 ^b	43.9 ± 4.34 ^{bc}	4.31 ± 2.47 ^{cd}	0.47 ± 0.02 ^{cd}
	EtOH	107.54 ± 5.9 ^{bde}	38.15 ± 2.91 ^{cde}	7.59 ± 0.34 ^a	0.89 ± 0.06 ^{ab}
	MetOH	135.52 ± 3.44 ^c	44.08 ± 0.91 ^{bc}	2.38 ± 0.5 ^{de}	0.43 ± 0.09 ^{cd}
	H2O	117.55 ± 1.07 ^d	32.36 ± 2.78 ^{de}	0.89 ± 0.18 ^e	0.46 ± 0.04 ^{cd}

Results are expressed as mean value ± standard deviation (n = 3) and reported as mg equivalents/g dry matter. Different superscript letters in the same column indicate significant differences in the extracts (p < 0.05) using Duncan's post hoc test. EA= ethyl acetate, EtOH= ethanol, MetOH=Methanol, H2O= water.