

Supporting Information

Table S1. *p*-Values of the relative activity ($EC_{50} \pm SD$) against DPPH[•] radical of all possible pairs of compounds.

Compound	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	Trolox	CA	PCA	GA	CA:PCA
3a		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3b			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3c				–	– *	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3d					+ *	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
3e						0.272	0.136	+	+	+	0.056	+	+	+	+	+	+	+	+	+	+
3f							0.778	+	+	+	+	0.100	+	+	+	+	+	+	+	0.071	+
3g								+	+	+	+	0.106	+	+	+	+	+	+	+	0.071	+
3h									+	+	+	+	+	+	+	+	+	+	+	+	+
3i										0.162	0.266	+	+	+	+	+	+	+	+	+	+
3j											+	+	+	+	+	+	+	+	+	+	+
3k												+	+	+	+	+	+	+	+	+	+
3l													+	+	+	+	+	+	+	0.720	+
3m														+	+	+	+	+	+	+	+
3n															+	+	+	+	+	+	+
3o																+	+	+	+	+	+
3p																	+	+	+	+	+
Trolox																		0.258	+	+	+
CA																			+	+	+
PCA																				+	+
GA																					+
CA:PCA																					+

* “–” refers to “not determined” due to lack of activity and “+” refers to a level of confidence higher than 95% ($p < 0.05$).

Table S2. *p*-Values of the relative activity ($EC_{50} \pm SD$) against $O_2^{\bullet-}$ anion radical of all possible pairs of compounds.

Compound	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	Trolox	CA	PCA	GA	CA:PCA
3a		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3b			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3c				–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3d					–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3e						–	– *	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3f							+ *	+	+	+	+	+	–	+	+	+	–	+	+	+	+
3g								+	+	+	+	+	–	+	+	+	–	0.077	+	+	+
3h									+	+	+	+	–	+	+	+	0.820	–	+	+	+
3i										0.235	0.368	+	–	+	+	+	–	+	0.576	+	+
3j											0.157	+	–	+	+	+	–	+	0.197	+	+
3k												+	–	+	+	+	–	+	0.615	+	+
3l													–	+	+	+	–	+	+	+	+
3m														–	–	–	–	–	–	–	–
3n															+	+	–	0.163	+	+	0.171
3o																+	–	+	+	+	+
3p																	–	+	+	+	+
Trolox																		–	–	–	–
CA																			+	+	0.063
PCA																				+	+
GA																					+
CA:PCA																					+

* “–” refers to “not determined” due to lack of activity and “+” refers to a level of confidence higher than 95% ($p < 0.05$).

Table S3. *p*-Values of the relative activity ($EC_{50} \pm SD$) against HO• radical of all possible pairs of compounds.

Compound	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	Trolox	CA	PCA	GA	CA:PCA
3a		+ *	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
3b			0.964	0.303	0.310	0.114	+	+	0.187	+	+	+	+	+	+	+	0.079	+	0.161	0.240	0.875
3c				0.180	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0.871
3d					0.749	0.290	+	+	0.733	+	+	+	+	+	+	+	0.190	+	0.558	+	0.191
3e						0.162	+	+	0.454	+	+	+	+	+	+	+	+	+	+	+	0.168
3f							+	0.363	0.296	+	+	+	+	+	+	+	0.948	+	0.341	+	0.072
3g							+	+	+	+	+	+	0.433	+	+	0.210	+	+	+	+	+
3h								+	+	+	+	+	+	+	+	+	0.126	+	+	+	+
3i									+	+	+	+	+	+	+	+	0.125	+	0.590	+	0.093
3j										+	+	+	+	+	+	+	+	+	+	+	+
3k											+	+	+	+	+	+	+	+	+	+	+
3l												+	+	+	+	+	+	+	+	+	+
3m													+	+	+	0.759	+	+	+	+	+
3n														+	+	+	+	+	+	+	+
3o															+	+	+	+	+	+	+
3p																+	+	+	+	+	+
Trolox																		+	0.153	+	+
CA																			+	+	+
PCA																				+	+
GA																					0.231
CA:PCA																					

* “+” refers to a level of confidence higher than 95% ($p < 0.05$).