

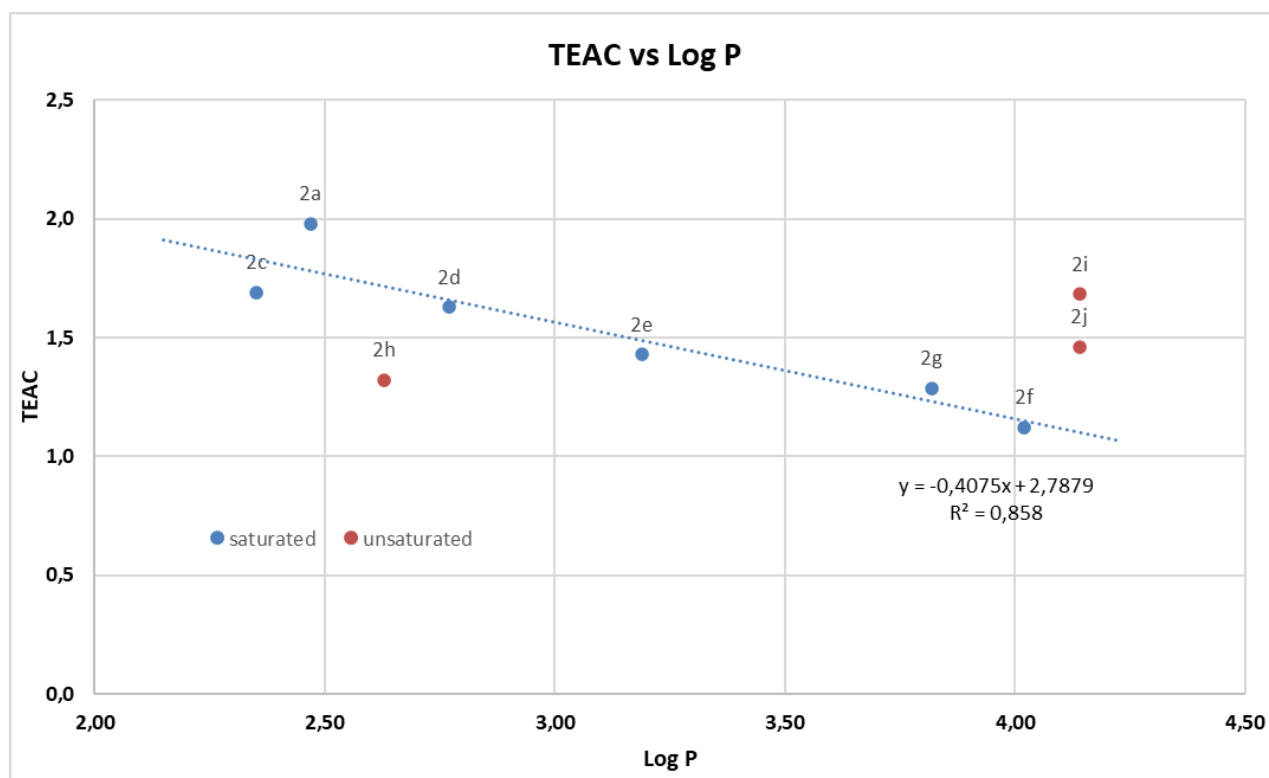


Figure SM1. TEAC vs Log P. Data evidence the inverse linear correlation between antioxidant capacities and lipophilicity in hydroxytyrosyl esters **2a,c-f**.

Table SM1. Determination of intracellular ROS in L6 and THP1 cell lines after stimulation of DCF fluorescence with 40 (L6) or 200 μ M (THP-1) cumene hydroperoxide alone (CH) and in presence of dihydroxytyrosyl esters **2a,c-j** at 10 and 1 μ M concentrations. Data are reported as mean values $\pm$ SD of five experiments carried out in triplicate. Statistical analysis performed with one-way ANOVA and Bonferroni post-test.

	L6 cell culture		THP1 cell culture	
conc	1 μ M	10 μ M	1 μ M	10 μ M
compound	% ROS	% ROS	% ROS	% ROS
CHP	100 $\pm$ 5	100 $\pm$ 5	100 $\pm$ 5	100 $\pm$ 5
1	62 $\pm$ 6	30 $\pm$ 8	62 $\pm$ 15	38 $\pm$ 20
2a	58 $\pm$ 17	34 $\pm$ 17	56 $\pm$ 13	35 $\pm$ 12
2c	35 $\pm$ 19	24 $\pm$ 14	55 $\pm$ 12	33 $\pm$ 11
2d	41 $\pm$ 20	20 $\pm$ 12	50 $\pm$ 18	25 $\pm$ 10
2e	37 $\pm$ 18	12 $\pm$ 10	56 $\pm$ 18	22 $\pm$ 5
2f	2 $\pm$ 6	2 $\pm$ 4	28 $\pm$ 4	21 $\pm$ 8
2g	8 $\pm$ 4	1 $\pm$ 2	22 $\pm$ 6	10 $\pm$ 3
2h	6 $\pm$ 8	2 $\pm$ 7	15 $\pm$ 10	5 $\pm$ 6
2i	10 $\pm$ 16	11 $\pm$ 11	18 $\pm$ 7	8 $\pm$ 3
2j	34 $\pm$ 15	7 $\pm$ 9	15 $\pm$ 4	3 $\pm$ 4

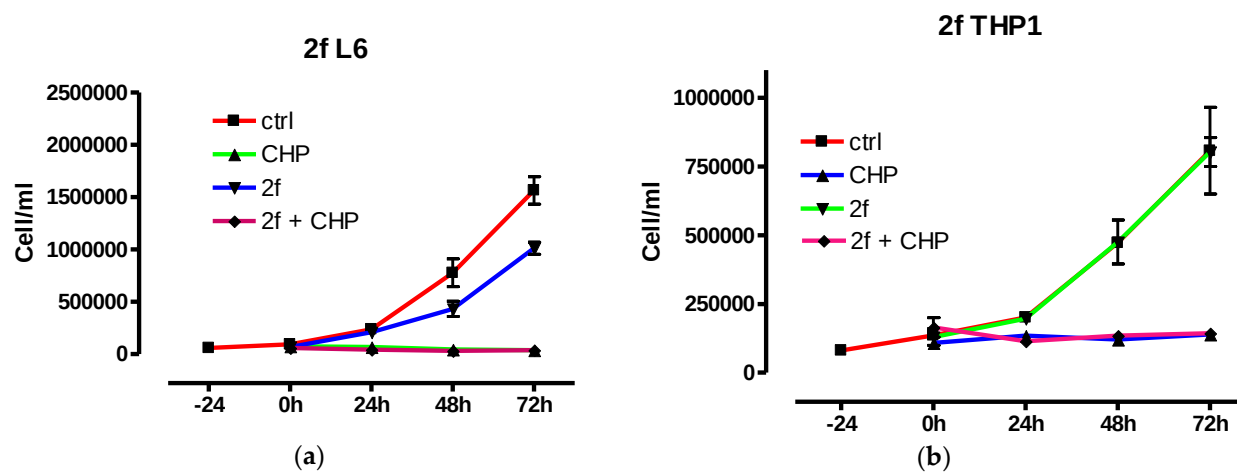


Figure SM2. Effect of compound **2f** (10 μ M) on the proliferation of L6 (a) and THP-1(b) cells in presence or absence of cumene hydroperoxide (CH, 40 μ M in L6 and 200 μ M in THP-1 cells). Cell counting was done with a Neubauer chamber. Data are reported as mean values $\pm$ SD of each compound tested in duplicate. Statistical analysis performed with one-way ANOVA and Bonferroni post-test.

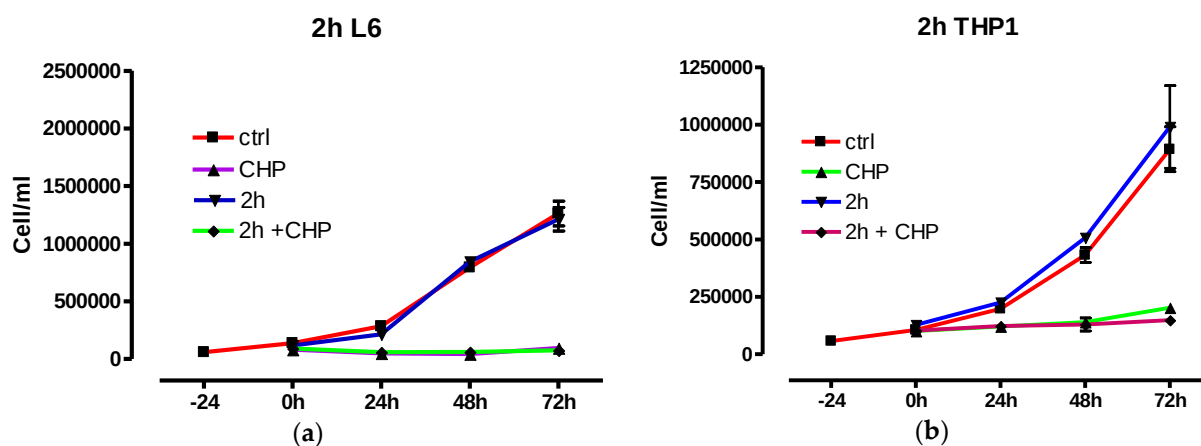


Figure SM3. Effect of compound **2h** (10 μ M) on the proliferation of L6 (a) and THP-1(b) cells in presence or absence of cumene hydroperoxide (CH, 40 μ M in L6 and 200 μ M in THP-1 cells). Cell counting was done with a Neubauer chamber. Data are reported as mean values $\pm$ SD of each compound tested in duplicate. Statistical analysis performed with one-way ANOVA and Bonferroni post-test.

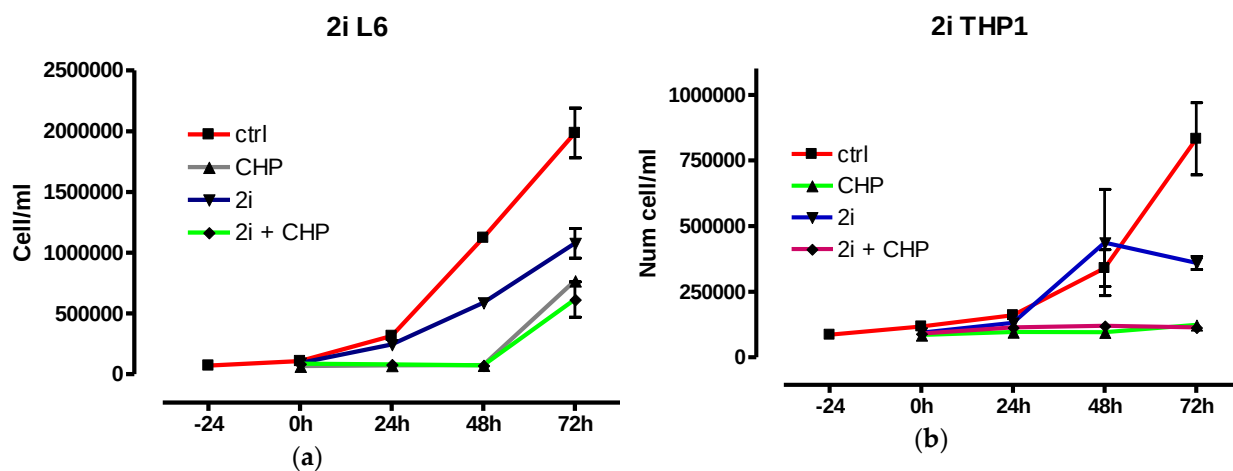


Figure SM4. Effect of compound **2i** (10 μ M) on the proliferation of L6 (a) and THP-1(b) cells in presence or absence of cumene hydroperoxide (CH, 40 μ M in L6 and 200 μ M in THP-1 cells). Cell counting was done with a Neubauer chamber. Data are reported as mean values $\pm$ SD of each compound tested in duplicate. Statistical analysis performed with one-way ANOVA and Bonferroni post-test.

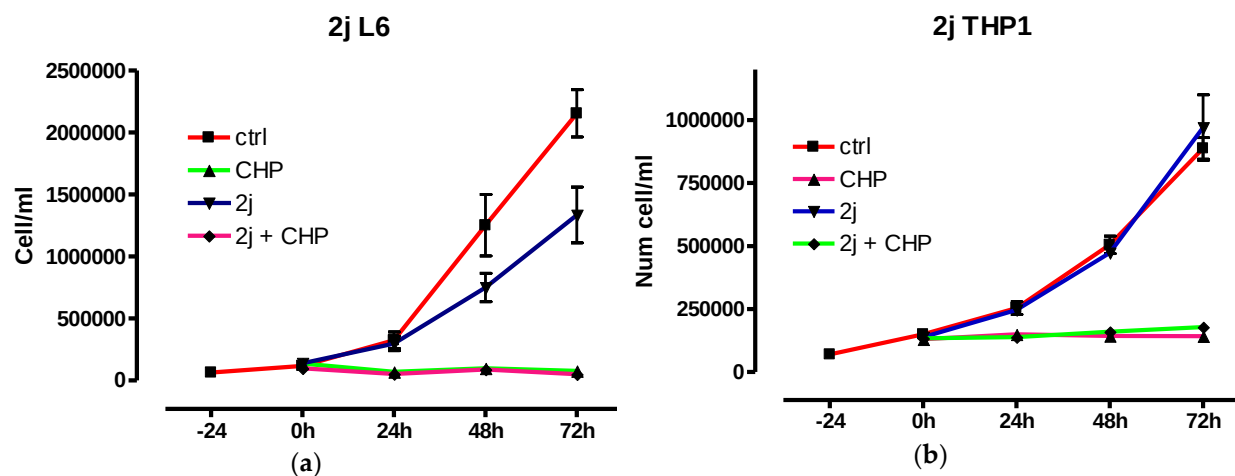


Figure SM5. Effect of compound 2j (10 μ M) on the proliferation of L6 (a) and THP-1(b) cells in presence or absence of cumene hydroperoxide (CH, 40 μ M in L6 and 200 μ M in THP-1 cells). Cell counting was done with a Neubauer chamber. Data are reported as mean values $\pm$ SD of each compound tested in duplicate. Statistical analysis performed with one-way ANOVA and Bonferroni post-test.