

**Table S1.** List of the compounds included in the study, including CAS number, chemical formula, molecular weight and supplier.

Compound	CAS n°	METLIN ID	KEGG ID	Chemical formula	MW (Da)	Supplier
<i>Benzoic acid derivatives</i>						
2,5-Dihydroxybenzoic acid	490-79-9	618	C00628	C7H6O4	154.12	Aldrich
Gallic acid	149-91-7	3295	C01424	C7H6O5	170.12	Aldrich
Vanillin	121-33-5	62927	C00755	C8H8O3	152.14	Carlo Erba
Vanillic acid	121-34-6	5471	na	C8H8O4	168.14	Carl Roth
Methyl gallate	99-24-1	44726	na	C8H8O5	184.14	Fluka
Cinnamic acid	621-82-9	310	C10438	C9H8O2	148.15	Aldrich
Syringaldehyde	134-96-3	na	na	C9H10O4	182.17	Aldrich
Ellagic acid	476-66-4	3430	C10788	C14H6O8	302.19	Fluka
<i>Coumarins</i>						
Daphnetin	486-35-1	na	na	C9H6O4	178.14	Biomedicals
Esculin	531-75-9	na	na	C15H16O9	340.29	Carl Roth
Scopoletin	92-61-5	na	na	C10H8O4	192.16	Fluka
Fraxin	524-30-1	na	na	C16H18O10	370.31	Carl Roth
<i>Phenylpropanoids</i>						
<i>p</i> -Coumaric acid	501-98-4	307	C00811	C9H8O3	164.16	Sigma
Caffeic acid	331-39-5	3316	C01481	C9H8O4	180.16	Sigma
Ferulic acid	1135-24-6	4156	C01494	C10H10O4	194.18	Carl Roth
Neochlorogenic acid	906-33-2	na	na	C16H18O9	354.31	TransMIT
Cryptochlorogenic acid	905-99-7	na	na	C16H18O9	354.31	TransMIT
Chlorogenic acid	327-97-9	3498	C00852	C16H18O9	354.31	TransMIT
Sinapyl alcohol	537-33-7	44805	C02325	C11H14O4	210.23	Aldrich
<i>trans</i> -Coutaric acid	27174-07-8	na	na	C13H12O8	296.23	Isolated
<i>Stilbenes</i>						
<i>trans</i> -Resveratrol	501-36-0	6979	C03582	C14H12O3	228.24	Isolated
<i>trans</i> -Piceid	27208-80-6	53240	C10275	C20H22O8	390.38	Isolated
<i>cis</i> -Piceid	na	na	na	C20H22O8	390.38	Isolated

<i>Dihydrochalcones</i>						
Phloretin	60-82-2	3405	C00774	C15H14O5	274.26	TransMIT
Phloridzin	60-81-1	3535	C01604	C21H24O10	436.41	TransMIT
Trilobatin	4192-90-9	na	na	C21H24O10	532.45	Extrasynthese
<i>Flavones</i>						
Apigenin	520-36-5	3397	C01477	C15H10O5	270.24	Carl Roth
Sinensetin	2306-27-6	49674	na	C20H20O7	372.36	Extrasynthese
Luteolin	491-70-3	3409	C01514	C15H10O6	286.24	Sigma
Luteolin-7-O-Glucoside	68321-11-9	na	C03951	C21H20O11	448.37	Sigma
Hesperidin	520-26-3	3678	C09755	C28H34O15	610.56	Sigma
<i>Flavanones</i>						
Naringenin	480-41-1	3401	C00509	C15H12O5	272.25	Carl Roth
<i>Flavonols</i>						
Quercetin	117-39-5	409	C00389	C15H10O7	302.24	Fluka
Quercetin-3-O-rhamnoside	522-12-3	43747	C01750	C21H20O11	448.38	Fluka
Quercetin-3-O-glucuronide	22688-79-5	na	na	C21H18O13	478.37	Extrasynthese
Rutin	153-18-4	3677	C05625	C27H30O16	610.52	Extrasynthese
Kaempferol	520-18-3	3410	C05903	C15H10O6	286.23	Carl Roth
Kaempferol-3-O-glucoside	480-10-4	64226	C12249	C21H20O11	448.37	Extrasynthese
Kaempferol-3-O-rutinoside	17650-84-9	50150	na	C27H30O15	594.53	Extrasynthese
Myricetin	529-44-2	3448	C10107	C15H10O8	318.23	Extrasynthese
Syringetin	4423-37-4	50914	C11620	C17H14O8	346.29	Extrasynthese
Syringetin-3-O-glucoside	40039-49-4	50904	na	C23H24O13	508.43	Extrasynthese
Rhamnetin	90-19-7	43977	C10176	C16H12O7	316.26	Extrasynthese
Isorhamnetin	480-19-3	3445	C10084	C16H12O7	316.26	Extrasynthese
Isorhamnetin-3-O-glucoside	5041-82-7	49007	na	C22H22O12	478.41	Extrasynthese

na= not available.