SUPPLEMENTARY INFORMATION

Quercetin and its analogues: Optical and acido-basic properties

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Figures

Figure S1– pH dependence of absorption spectra of isoquercitrin and rutin.

Figure S2– Superimposed theoretical and experimental spectra of isoquercitrin and rutin. Insets: Shift of center of gravity vs. pH.

Figure S3 – MO diagram of the neutral and deprotonated form of taxifolin.

Figure S4 – MO diagram of the neutral and deprotonated form of eriodictyol.

Figure S5 – MO diagram of the neutral and deprotonated form of quercetin.

Figure S6 – MO diagram of the neutral and deprotonated form of luteolin.

Figure S7 – MO diagram of the neutral and deprotonated form of isoquercitrin.

Figure S8 – MO diagram of the neutral and deprotonated form of rutin.
Figure S1– pH dependence of absorption spectra of isoquercitrin and rutin. Spectra are colored in rainbow colors (blue → light blue → red → light red) for pH 1.9, 2.9, 4.0, 5.0, 5.9, 6.4, 6.9, 7.4, 8.1, 9.1, 10.0, 10.5, 11.1, 11.9.

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