

*Supplementary Materials*

# Testing the Pharmacokinetic Interactions of 24 Colonic Flavonoid Metabolites with Human Serum Albumin and Cytochrome P450 Enzymes

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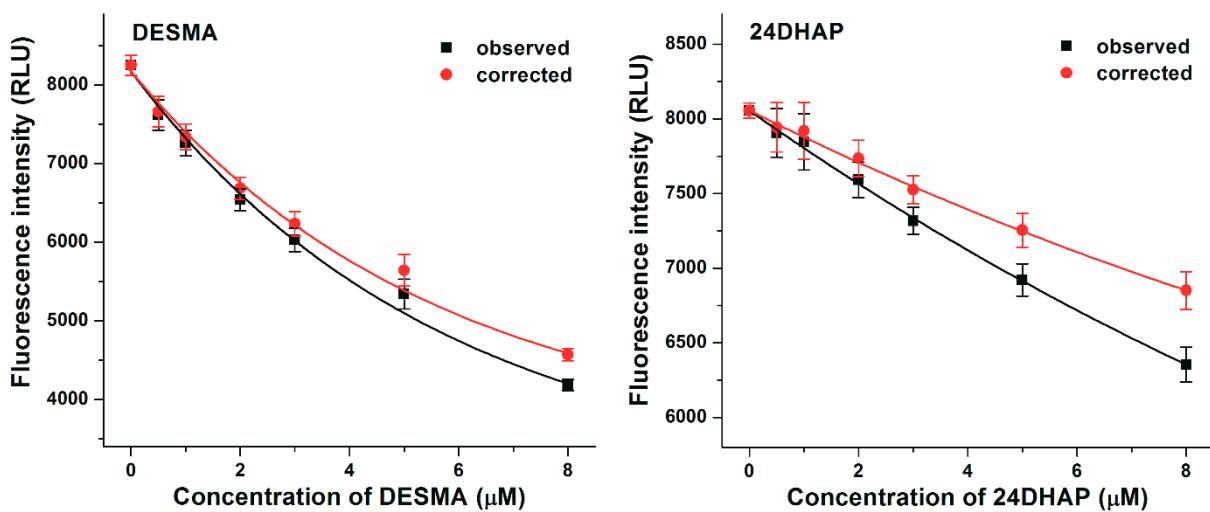
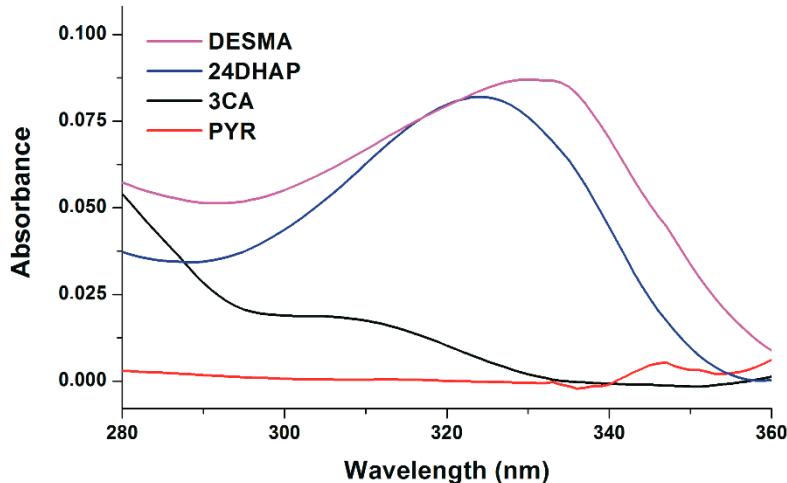
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**Figure S1.** Top: Absorption spectra of 3-coumaric acid (3CA, 5  $\mu\text{M}$ ), pyrogallol (PYR, 5  $\mu\text{M}$ ), 2,4-dihydroxyacetophenone (24DHAP, 5  $\mu\text{M}$ ), and O-desmethylangolensin (DESMA, 5  $\mu\text{M}$ ) in PBS (pH 7.4). Under the applied conditions, PYR and 3CA showed negligible or low absorption at the wavelengths used in quenching experiments (molar extinction coefficients were the followings:  $\epsilon_{\text{DESMA}, 295 \text{ nm}} = 7651 \text{ M}^{-1}\text{cm}^{-1}$ ;  $\epsilon_{\text{DESMA}, 340 \text{ nm}} = 13179 \text{ M}^{-1}\text{cm}^{-1}$ ;  $\epsilon_{\text{24DHAP}, 295 \text{ nm}} = 7178 \text{ M}^{-1}\text{cm}^{-1}$ ;  $\epsilon_{\text{24DHAP}, 340 \text{ nm}} = 8571 \text{ M}^{-1}\text{cm}^{-1}$ ;  $\epsilon_{\text{3CA}, 295 \text{ nm}} = 4710 \text{ M}^{-1}\text{cm}^{-1}$ ;  $\epsilon_{\text{3CA}, 340 \text{ nm}} = \text{no absorption}$ ;  $\epsilon_{\text{PYR}, 295 \text{ nm}} = \text{no absorption}$ ;  $\epsilon_{\text{PYR}, 340 \text{ nm}} = \text{no absorption}$ ). Bottom: Decrease in the fluorescence emission intensity of albumin (2  $\mu\text{M}$ ;  $\lambda_{\text{ex}} = 295 \text{ nm}$ ,  $\lambda_{\text{em}} = 340 \text{ nm}$ ) in the presence of increasing DESMA and 24DHAP concentrations in PBS (pH 7.4): Observed and corrected (see details in Equation 1) intensities.