

Supplementary Materials

Table S1. Validation parameters for standard.

Parametr	Genistein	Daidzein	Formononetin	Biochanin A
Linearity: $y = ax + b$				
$a \pm S_a$	698.76 ± 2.41	439.08 ± 7.71	486.29 ± 9.92	650.13 ± 31.82
$b \pm S_b$	nonsignificant ($\alpha=0,05$)	nonsignificant ($\alpha=0,05$)	nonsignificant ($\alpha=0,05$)	nonsignificant ($\alpha=0,05$)
Correlation coefficient (r)	0,9999	0.99982	0.9975	0.9985
Linearity [mg/ml]	0.011 – 0.719	0.001-0.727	0.010-0.640	0.010-0.682
RSD (%)				
Low content	0.2138	0.4468	4.3483	1,3263
Medium content	0.7391	0.4791	2.8847	0,5313
High content	0.6603	0.1145	2.2072	0,5865
Limit of detection (LOD) [$\mu\text{g/ml}$]	0.0025	0.0164	0.0133	0.0341
Limit of quantification (LOQ) [$\mu\text{g/ml}$]	0.0077	0.0496	0.0403	0.1034

S_a - standard deviation of the slope; S_b - standard deviation of the intersection point. t. calculated values of the Student's t-test. $t_{\alpha, f} = 3.182$ Critical values of the Student's test for degrees of freedom $f = 3$ and significance level $\alpha = 0.05$.

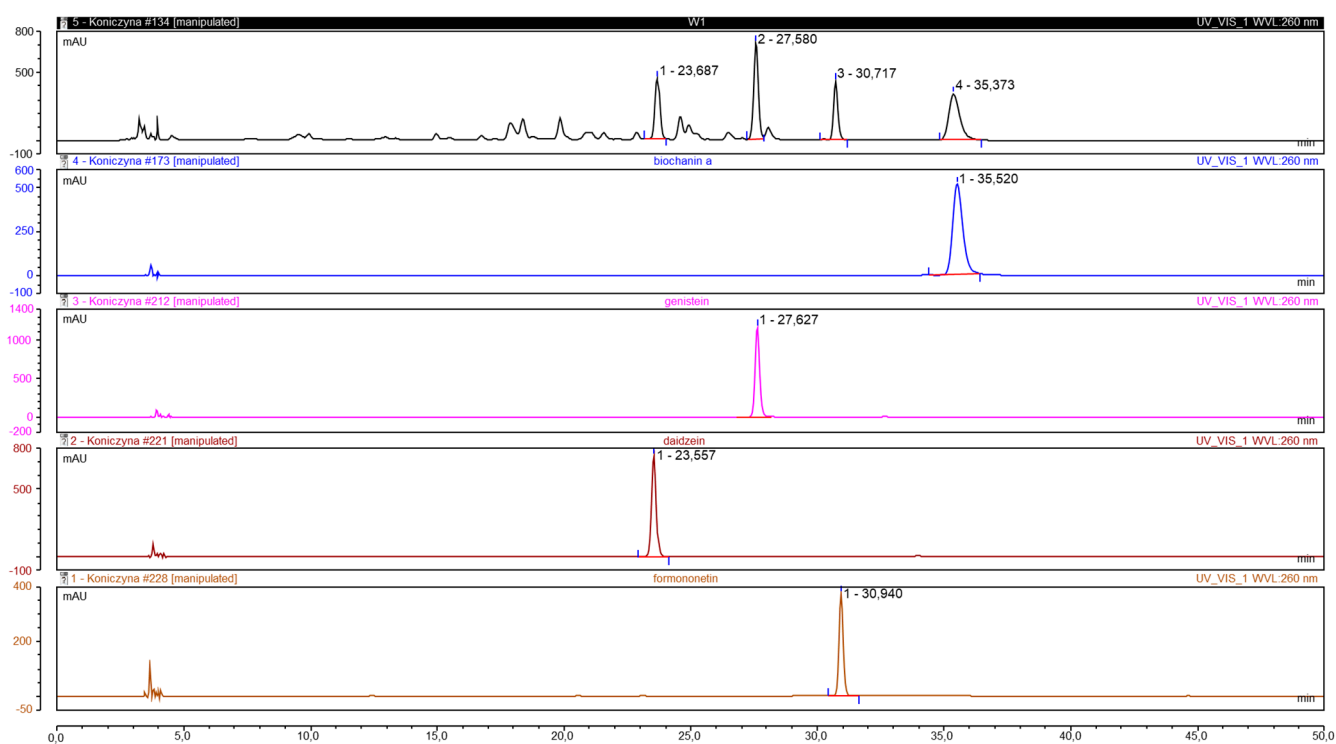


Figure S1. Chromatograms with retention times of the test compounds (genistein, daidzein, biochanin, formononetin) and of the sample extract.