



Article

In Vitro/In Vivo Hepatoprotective and Antioxidant Effects of Defatted Extract and a Phenolic Fraction Obtained from *Phlomis Tuberosa*

Magdalena Kondeva-Burdina ^{1,*}, Aleksandar Shkondrov ², Georgi Popov ³, Vasil Manov ³ and Ilina Krasteva ²

¹ Laboratory of Drug Metabolism and Drug Toxicity, Department of Pharmacology, Pharmacotherapy and Toxicology, Faculty of Pharmacy, Medical University of Sofia, 2 Dunav st., 1000 Sofia, Bulgaria

² Department of Pharmacognosy, Faculty of Pharmacy, Medical University of Sofia, 2 Dunav st., 1000 Sofia, Bulgaria; shkondrov@pharmfac.mu-sofia.bg (A.S.); ikrasteva@pharmfac.mu-sofia.bg (I.K.)

³ Department of Non-infectious Diseases, Pathology and Pharmacology, Faculty of Veterinary Medicine, University of Forestry, Sofia, Bulgaria; georgistpopov@yahoo.com (G.P.); manov_vet@abv.bg (V.M.)

* Correspondence: Correspondence: magdalenakondeva@gmail.com or mkondeva@pharmfac.mu-sofia.bg

Supplementary material

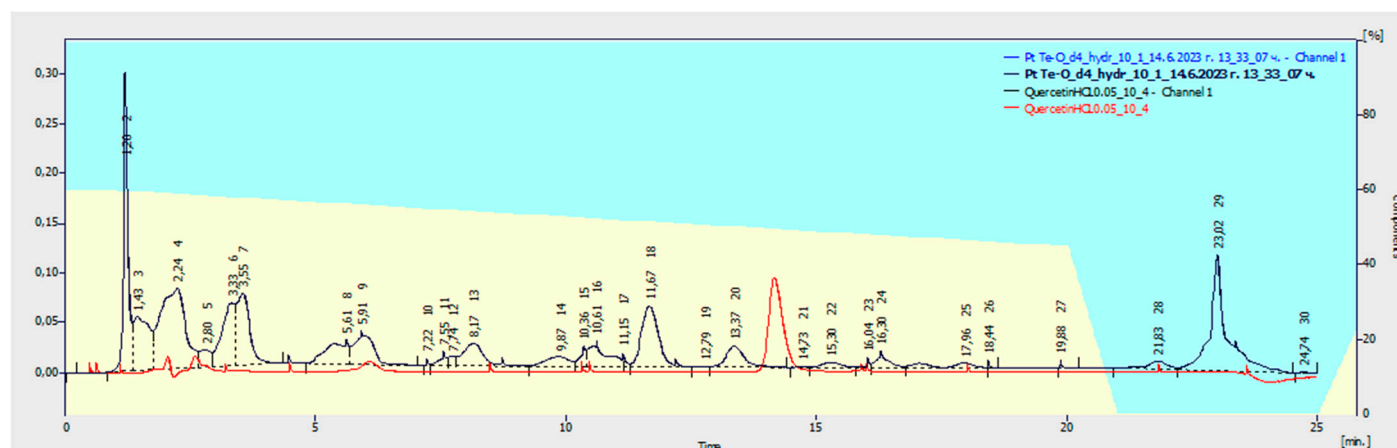


Figure S1. HPLC chromatogram of E used to perform quantitation of total flavonoids with quercetin reference

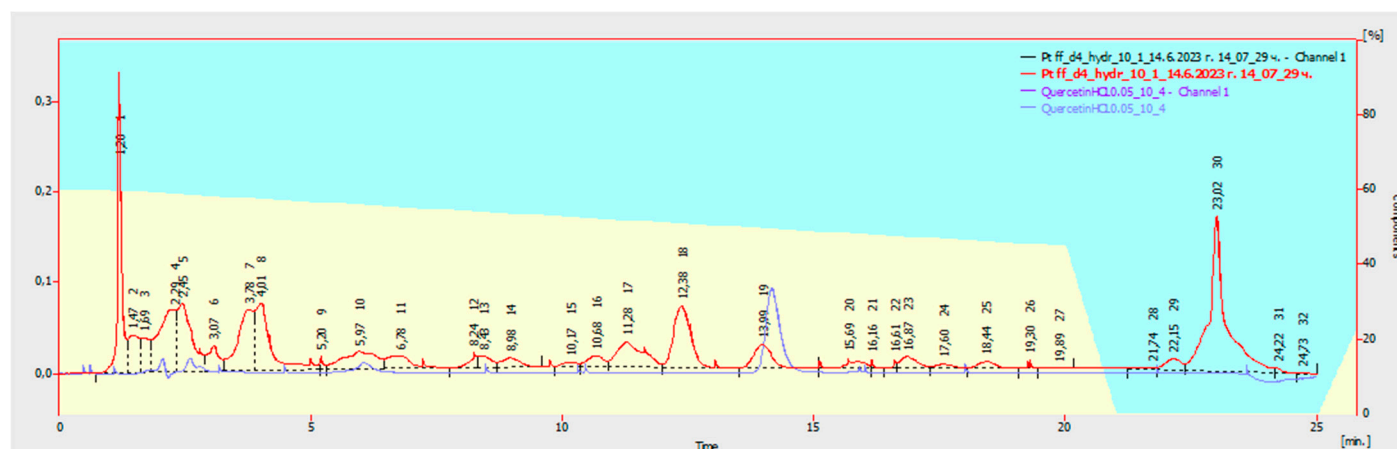


Figure S2. HPLC chromatogram of FF used to perform quantitation of total flavonoids with quercetin reference

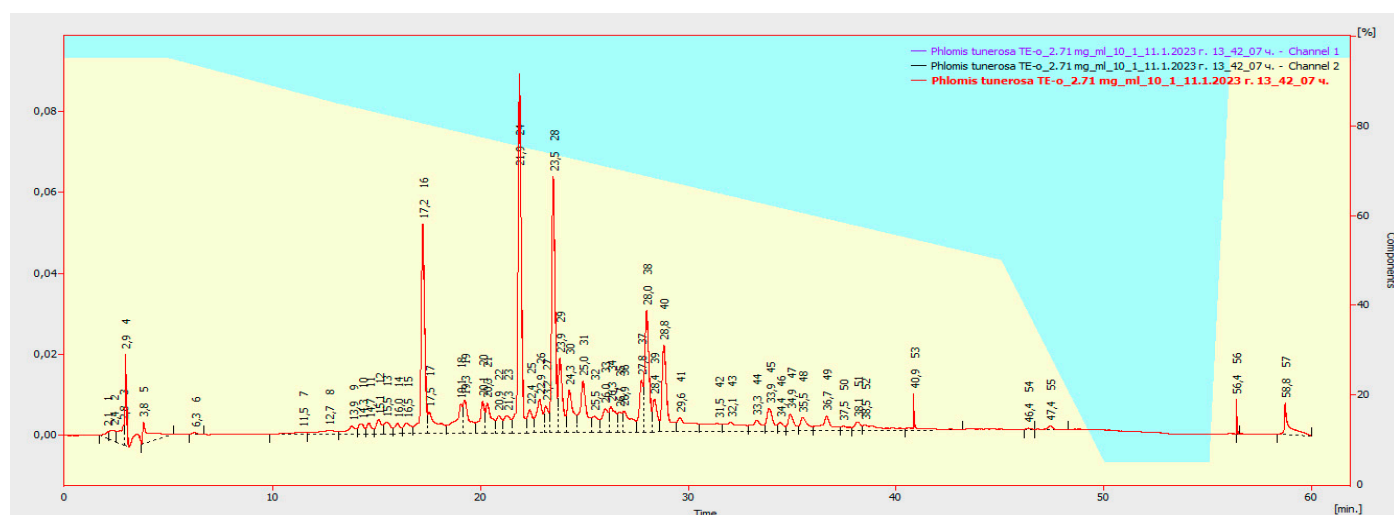



Figure S3. HPLC chromatogram of E used to identify the compounds

Table S1. Results from the quantitative analysis of E and FF

Compounds	tr, min ± SD	E	FF
			
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Rhamnetin	43.260 ± 0.18	-	-
Apigenin	37.830 ± 0.15	-	-
Luteolin	33.750 ± 0.12	+	+
Naringin	25.823 ± 0.10	-	-
Saponarin	21.227 ± 0.11	-	-
Verbascoside	24.470 ± 0.12	+	+
Apigenin-7-glucuronide	28.683 ± 0.13	-	-
Apigenin-7-glucoside	27.683 ± 0.12	+	+
Luteolin-7-glucuronide	25.740 ± 0.11	+	+
Luteolin-3'-glucuronide	26.810 ± 0.10	+	+
Spiraeoside	28.013 ± 0.13	+	+
Kaempferol-3-glucoside	27.210 ± 0.14	-	-
Quercetin-3-glucoside	25.157 ± 0.13	-	-

Vitexin	23.080	-	-
	± 0.12		

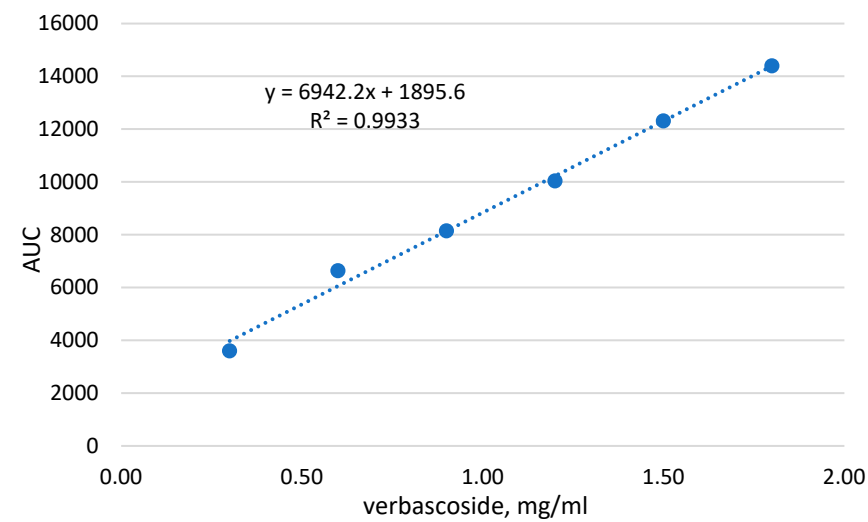


Figure S4. Calibration curve of verbascoside

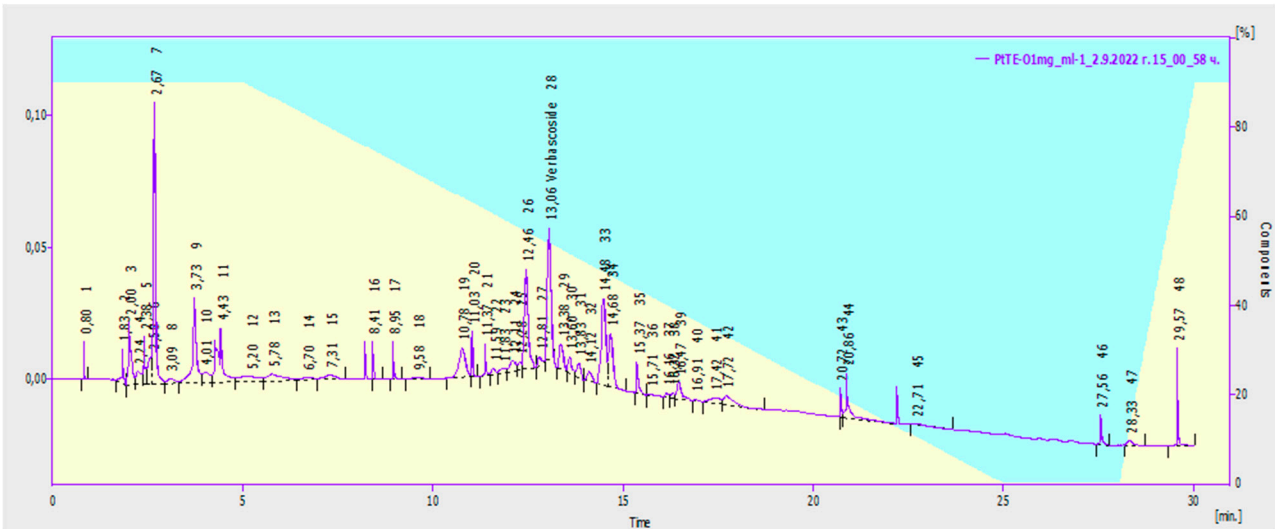


Figure S5. HPLC chromatogram of E used to preform quantitation of verbascoside

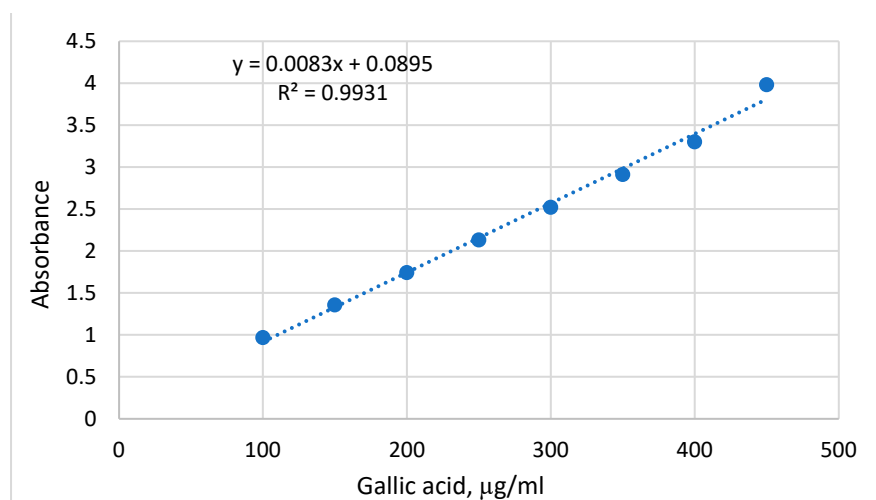


Figure S6. Calibration curve of gallic acid used to perform quantitation of total polyphenols in E and FF

Table S2. Total polyphenols in the samples

Sample	GAE \pm SD, mg/g
E	283.2 \pm 2.1
FF	812.7 \pm 1.7
Control pyrogallol	332.9 \pm 1.6

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