Supplementary Materials

Chemical Composition and Biological Activity of Extracts from the Aerial Parts of *Epilobium parviflorum* Schreb.

Mashenka Dimitrova [1], Inna Sulikovska [1,*], Elina Tsvetanova [2,*], Vera Djeliova [3], Anelia Vasileva [4] and Ivaylo Ivanov [4]

[1] Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Acad. G. Bonchev Str., 25, 1113 Sofia, Bulgaria; mashadim@abv.bg
[2] Institute of Neurobiology, Bulgarian Academy of Sciences, Acad. G. Bonchev Str., 23, 1113 Sofia, Bulgaria
[3] Institute of Molecular Biology "Acad. R. Tsanev", Bulgarian Academy of Sciences, Acad. G. Bonchev Str., 21, 1113 Sofia, Bulgaria; vera@bio21.bas.bg
[4] Department of Medical Chemistry and Biochemistry, Medical University of Sofia, Zdrave Str., 2, 1431 Sofia, Bulgaria; avasileva@medfac.mu-sofia.bg (A.V.); iivanov@medfac.mu-sofia.bg (I.I.)
* Correspondence: inna_sulikovska@ukr.net (I.S.); elina_nesta@abv.bg (E.T.)

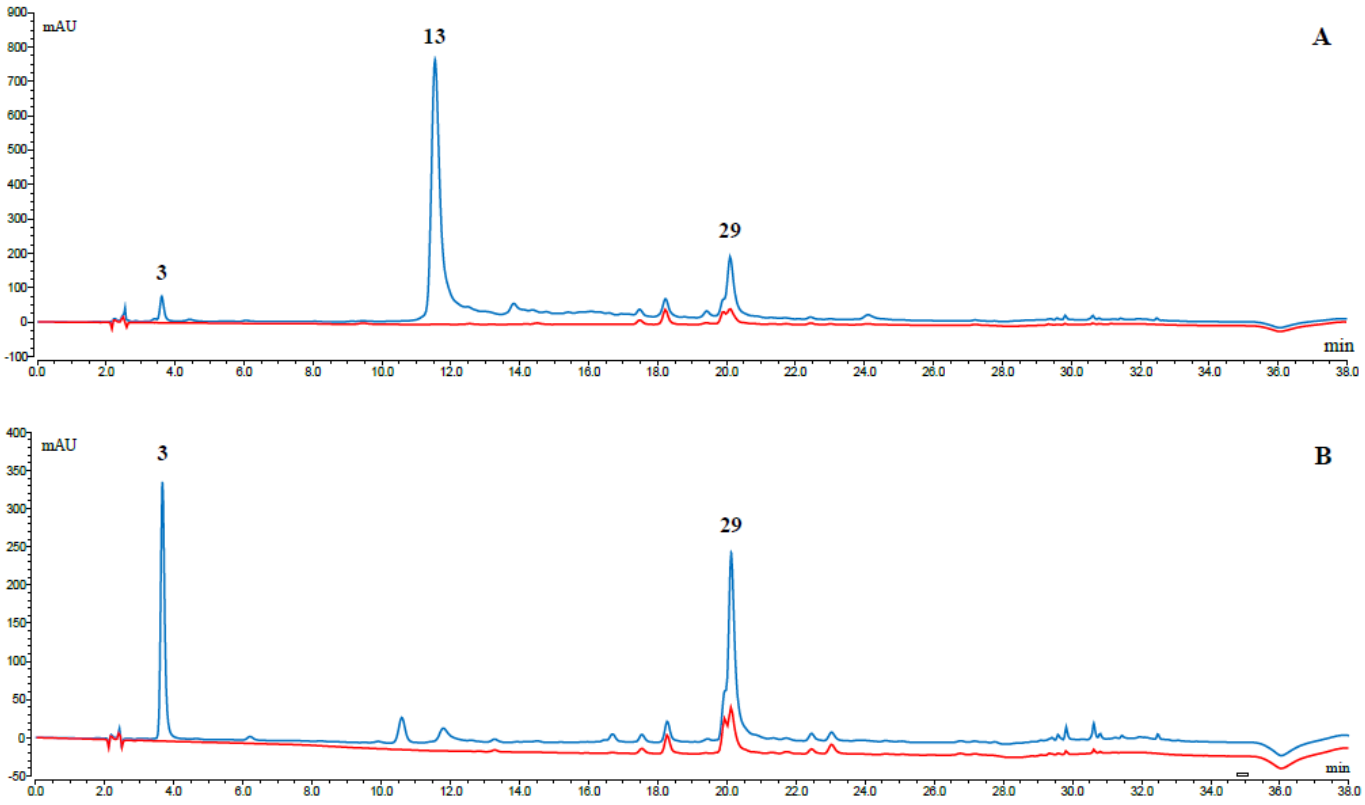


Figure S1. UPLC-DAD chromatograms at 260 (blue) and 360 (red) nm of the extracts from aerial part of *E. parviflorum* (herb purchased from Dicrassin Ltd). A) Extract with 80% ethanol; B) Ethyl acetate extract, using two-phase system ethyl acetate/water.

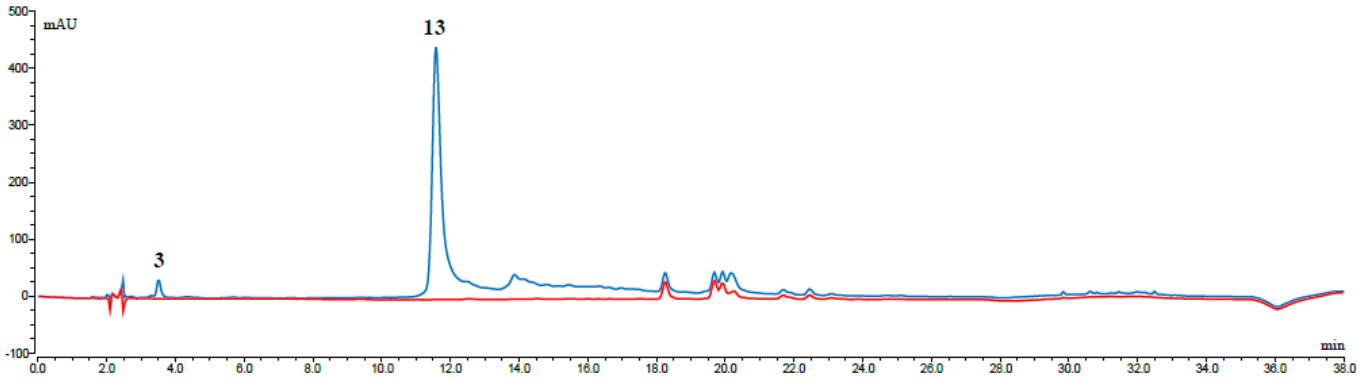


Figure S2. UPLC-DAD chromatograms at 260 (blue) and 360 (red) nm of the extract with 80% ethanol from aerial part of *E. parviflorum* (herb purchased from Alin®).

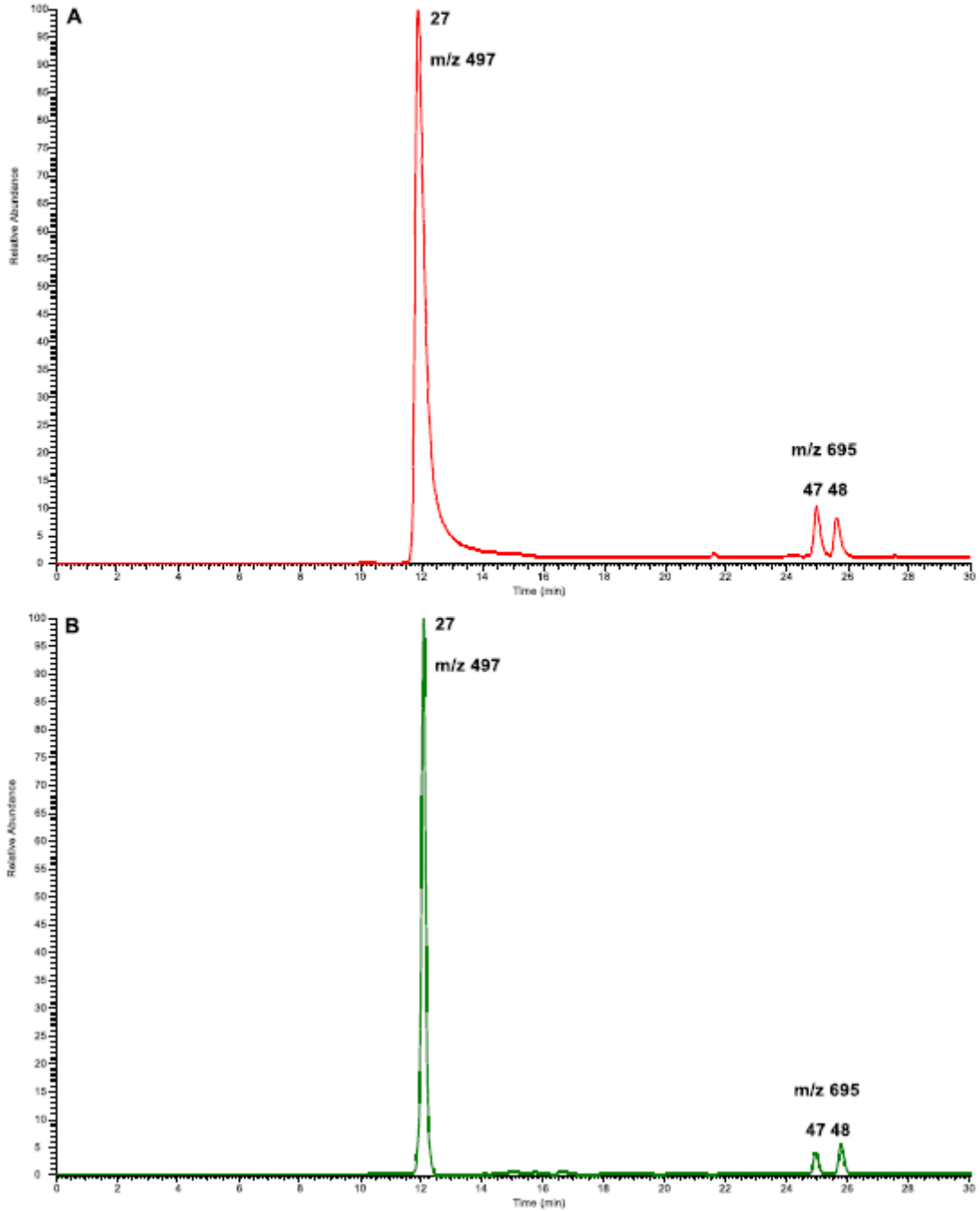


Figure S3. Representative single ion monitoring (SIM) UPLC-ESI-MS chromatograms showing the elution of compound 27 at m/z 497 and compounds 47 and 48 at m/z 695. A) 80% ethanol extract of *E. parviflorum* from Dicrassin Ltd; B) 80% ethanol extract of *E. parviflorum* from Alin®.

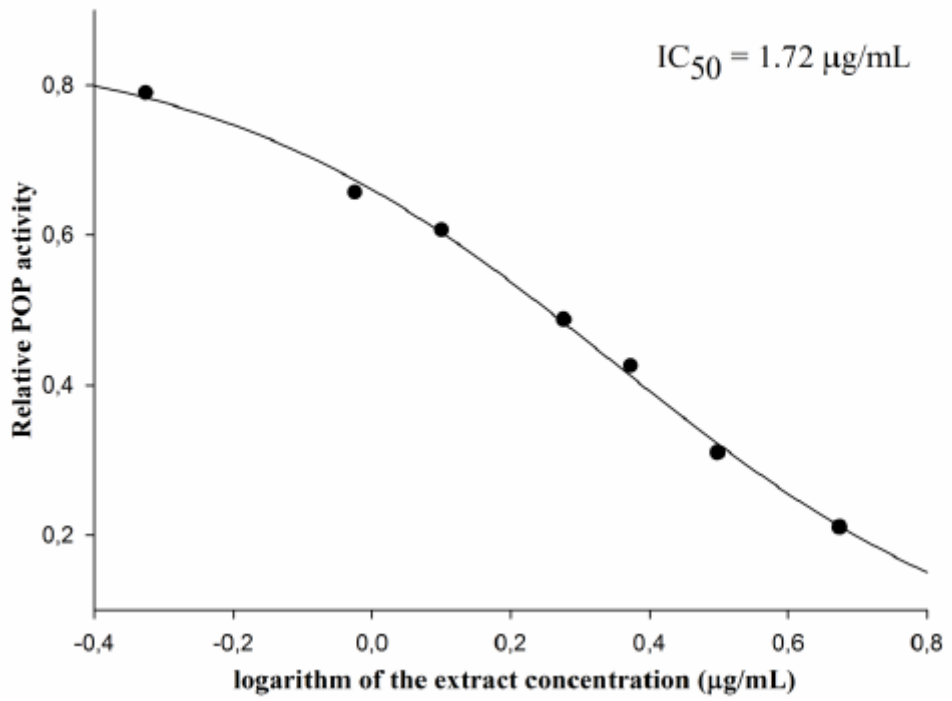


Figure S4. Graph used for IC50 value determinations for POP inhibition from 80% ethanol extract from *E. parviflorum*. Dose-response data points represent the mean value of three independent experiments.