

Supporting information

Metabolite Profiling of *Helichrysum italicum* Derived Food Supplements by ^1H -NMR-Based Metabolomics

Antonietta Cerulli, Milena Masullo, and Sonia Piacente*

Dipartimento di Farmacia, Università degli Studi di Salerno, Via Giovanni Paolo II n. 132, 84084 Fisciano, SA, Italy; piacente@unisa.it

* Correspondence: piacente@unisa.it; Tel.: +39-089-969763

Figure S1. ^1H NMR Spectrum (600 MHz, CD_3OD) of **A**

Figure S2. ^1H NMR Spectrum (600 MHz, CD_3OD) of **B**

Figure S3. ^1H NMR Spectrum (600 MHz, CD_3OD) of **C**

Figure S4. HSQC Spectrum (CD_3OD) of **C**

Figure S5. HMBC Spectrum (CD_3OD) of **C**

Figure S6. COSY Spectrum (CD_3OD) of **C**

Figure S7. ^1H NMR Spectrum (600 MHz, CD_3OD) of **D**

Figure S8. HSQC Spectrum (CD_3OD) of **D**

Figure S9. HMBC Spectrum (CD_3OD) of **D**

Figure S10. COSY Spectrum (CD_3OD) of **D**

Figure S11. ^1H NMR Spectrum (600 MHz, CD_3OD) of **E**

Figure S12. ^1H NMR Spectrum (600 MHz, CD_3OD) of **F**

Figure S13. HSQC Spectrum (CD_3OD) of **F**

Figure S14. HSQC Spectrum (CD₃OD) of **F** region 4.5-8.5 ppm

Figure S15. HMBC Spectrum (CD₃OD) of **F**

Figure S16. COSY Spectrum (CD₃OD) of **F**

Figure S17. ¹H NMR Spectrum (600 MHz, CD₃OD) of **G**

Figure S18. ¹H NMR Spectrum (600 MHz, CD₃OD) of **H**

Figure S19. Principal Component Analysis of *H. italicum* derived food supplements obtained by targeted analysis. A) PCA single variables to the principal component 1 (PC1), B) PCA single variables to the principal component 2 (PC2)

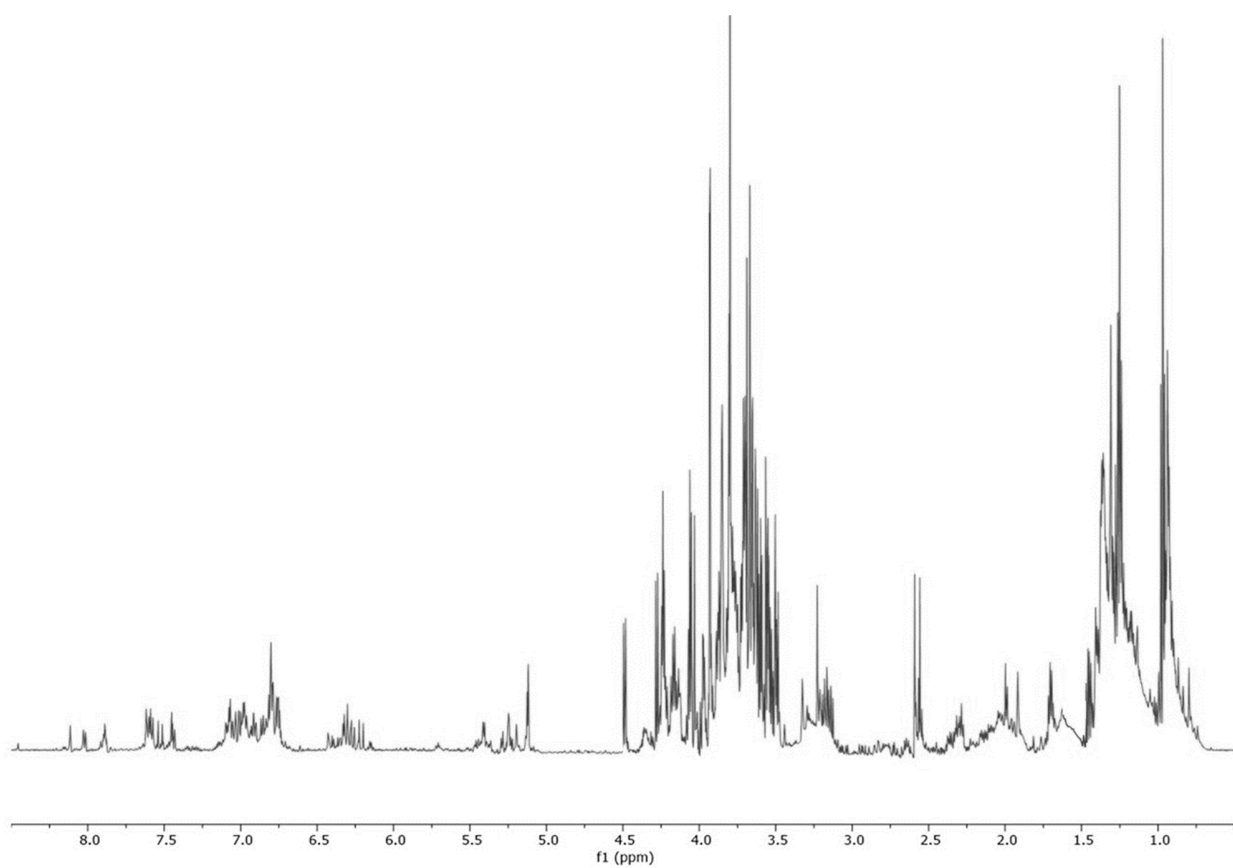


Figure S1. ^1H NMR Spectrum (600 MHz, CD_3OD) of **A**

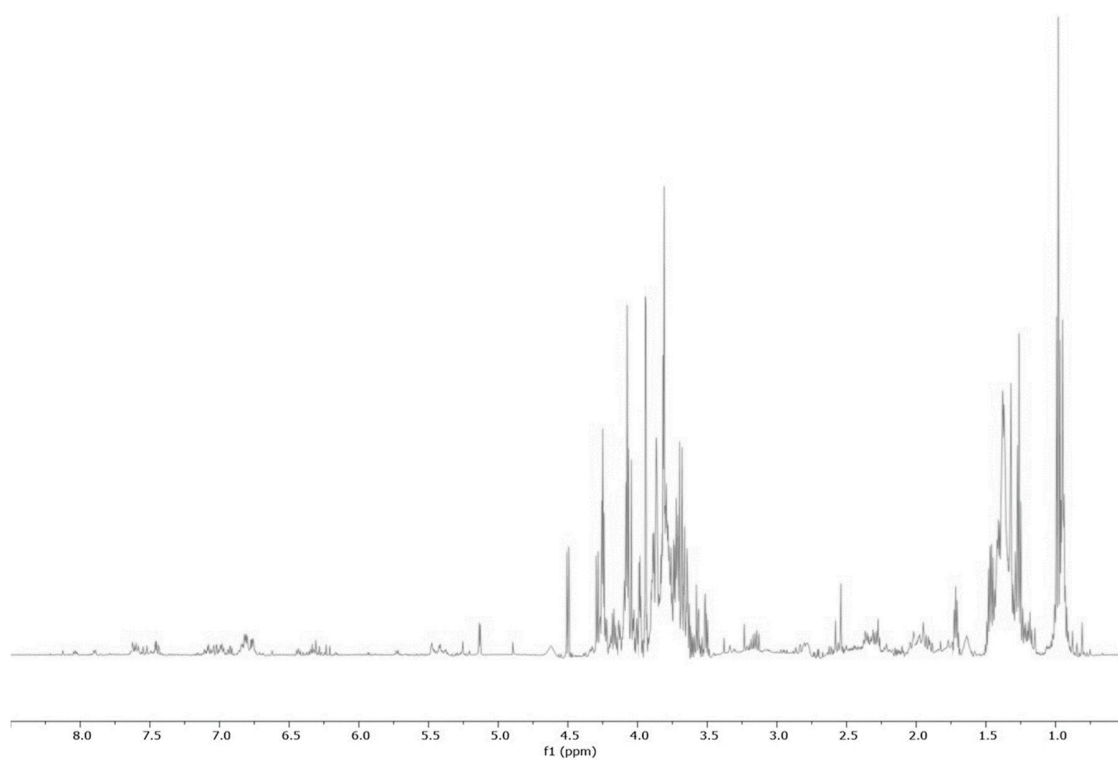


Figure S2. ^1H NMR Spectrum (600 MHz, CD_3OD) of **B**

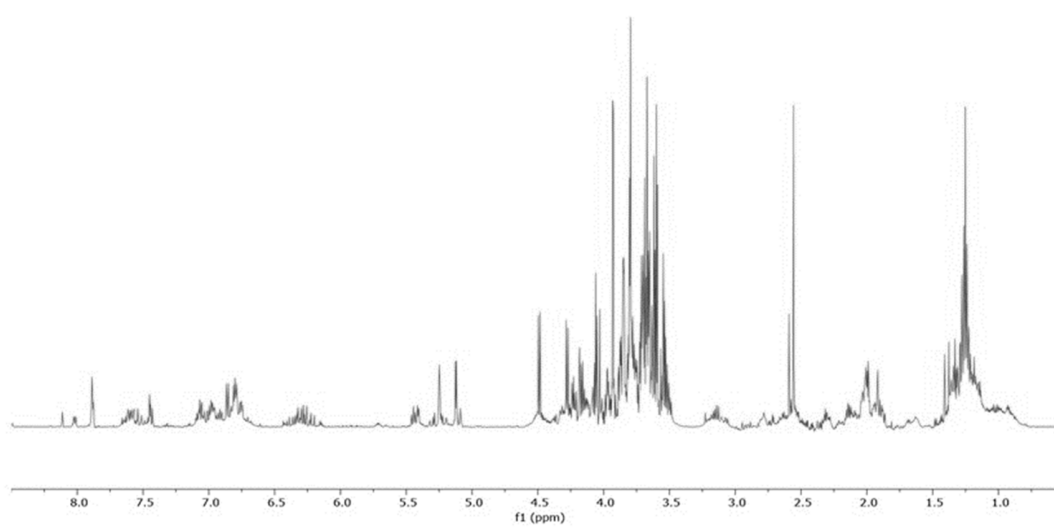


Figure S3. ^1H NMR Spectrum (600 MHz, CD_3OD) of **C**

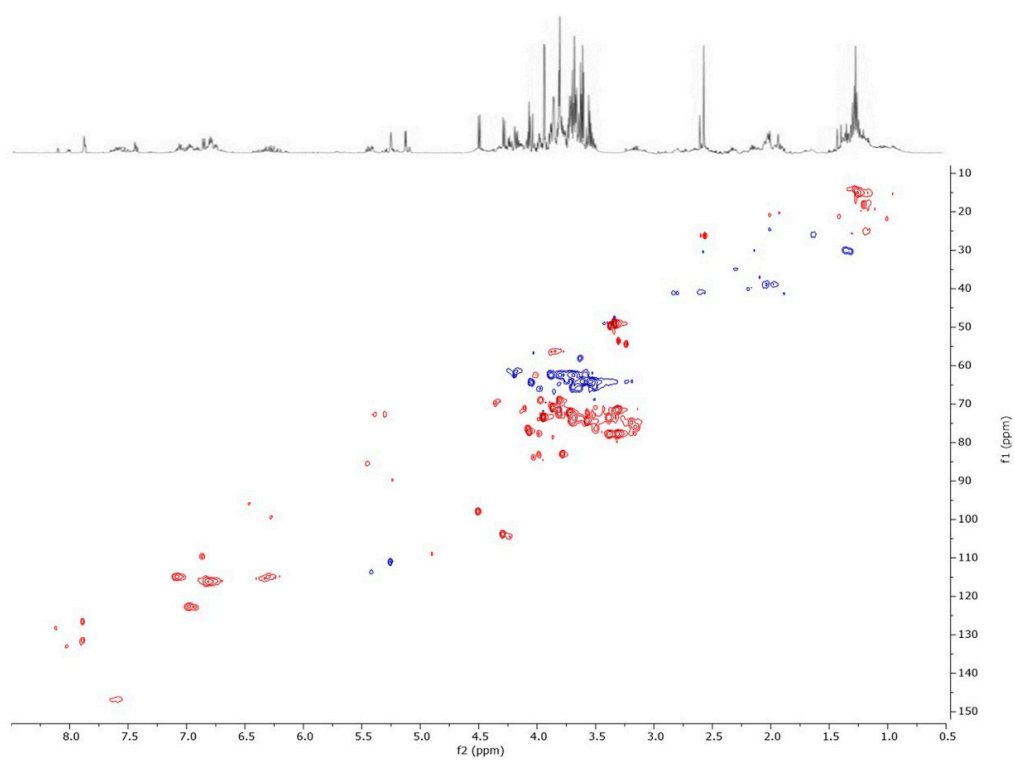


Figure S4. HSQC Spectrum (CD₃OD) of C

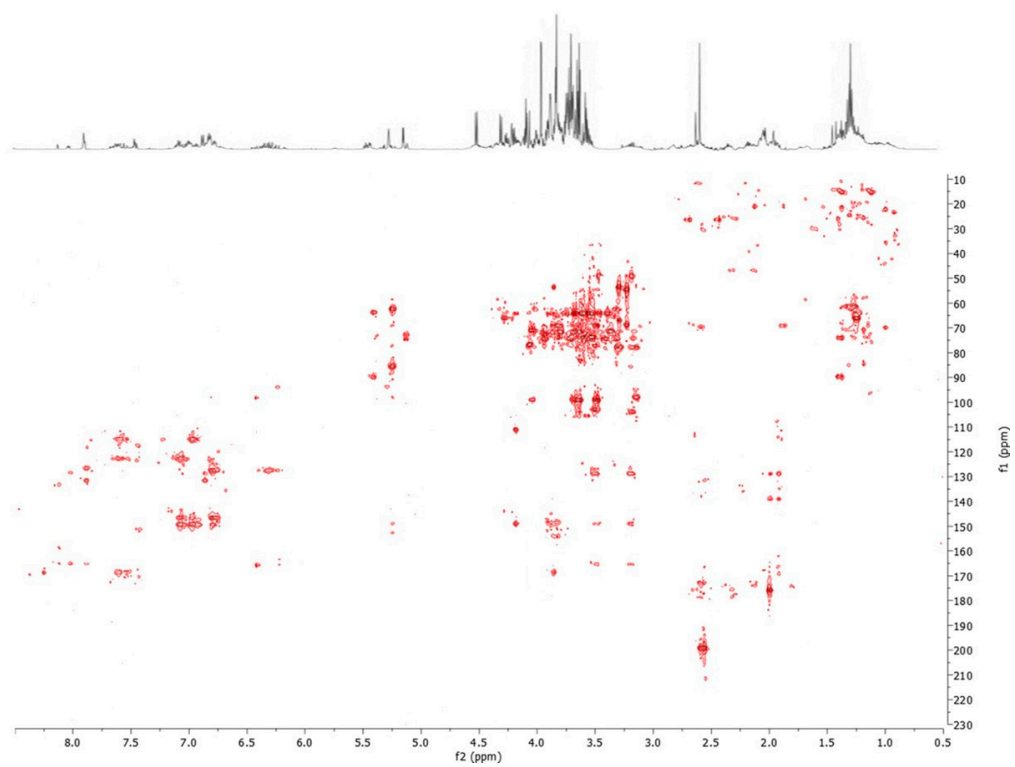


Figure S5. HMBC Spectrum (CD₃OD) of C

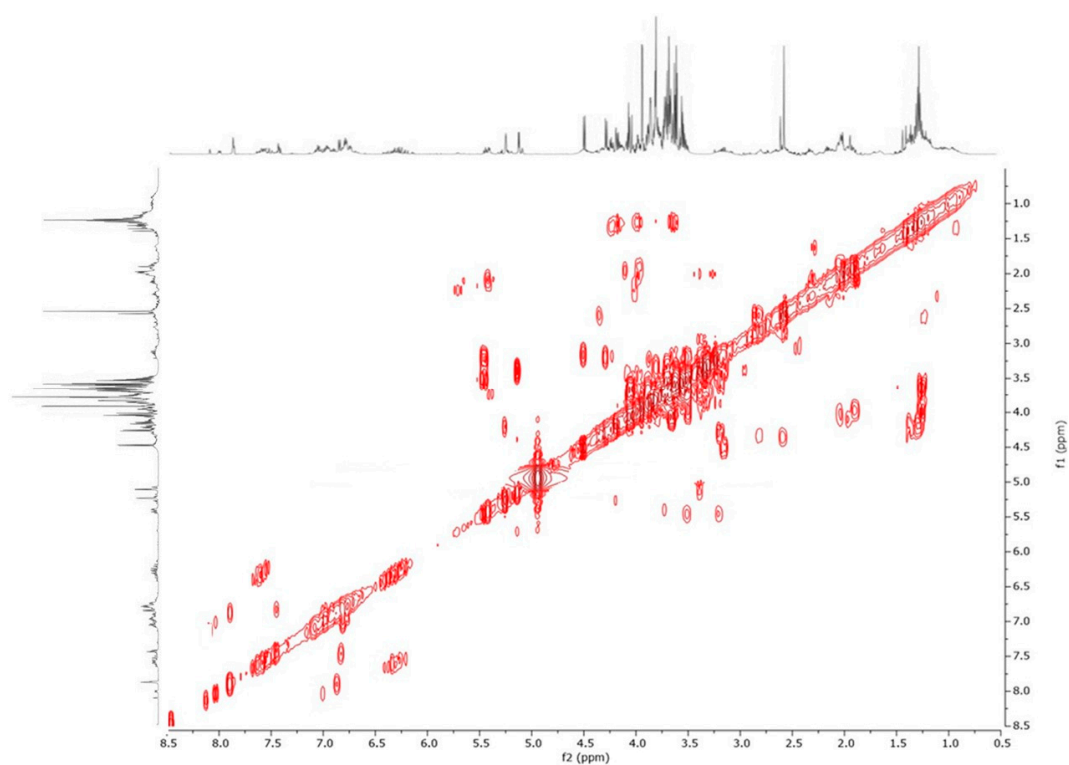


Figure S6. COSY Spectrum (CD₃OD) of C

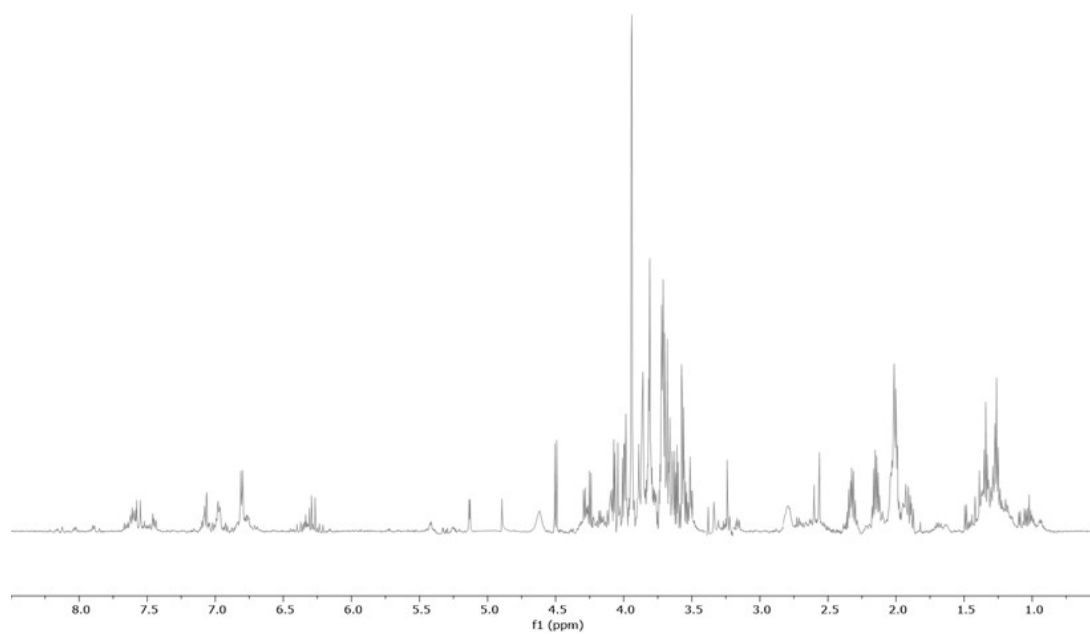


Figure S7. ¹H NMR Spectrum (600 MHz, CD₃OD) of D

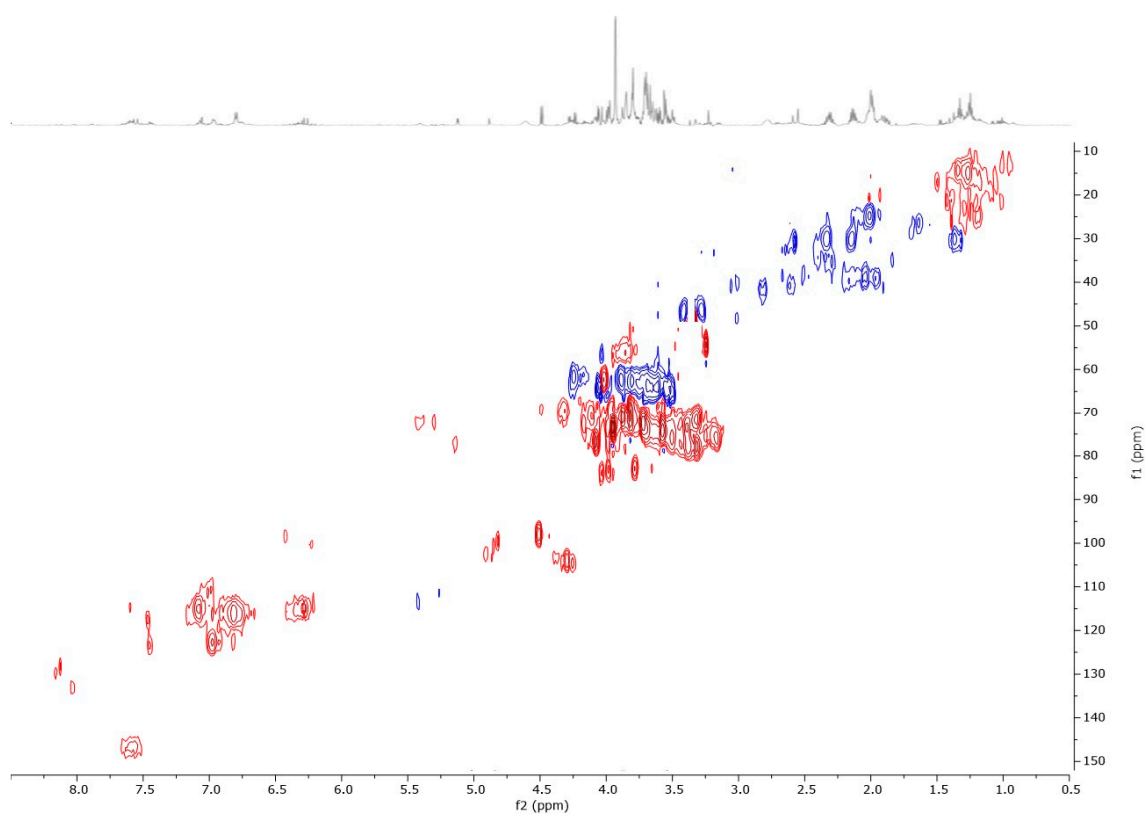


Figure S8. HSQC Spectrum (CD₃OD) of **D**

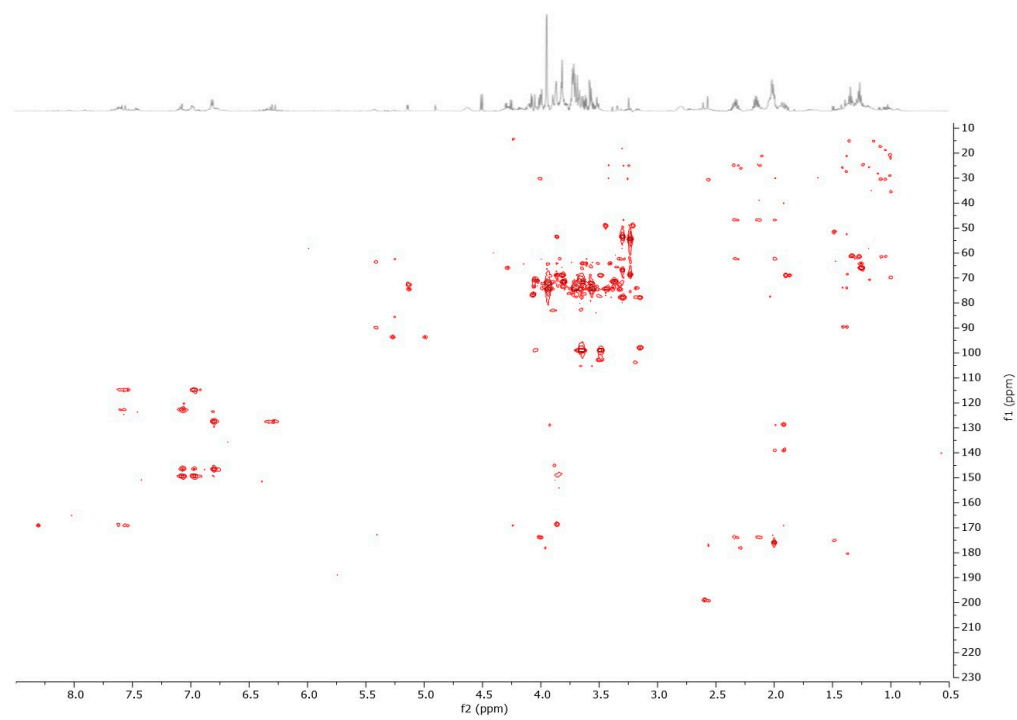


Figure S9. HMBC Spectrum (CD₃OD) of **D**

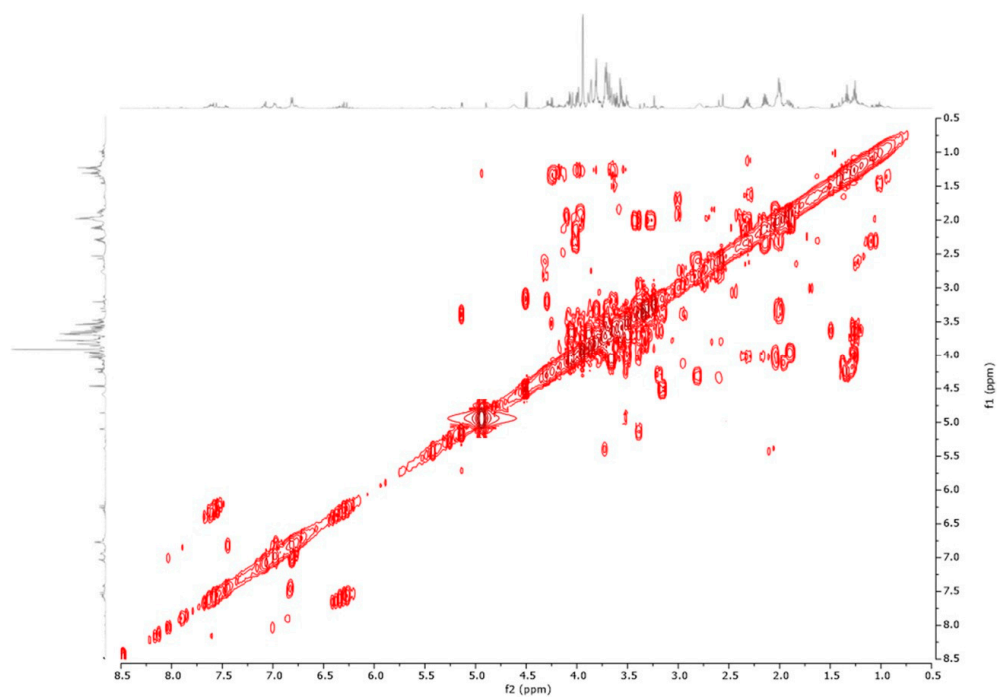


Figure S10. COSY Spectrum (CD₃OD) of **D**

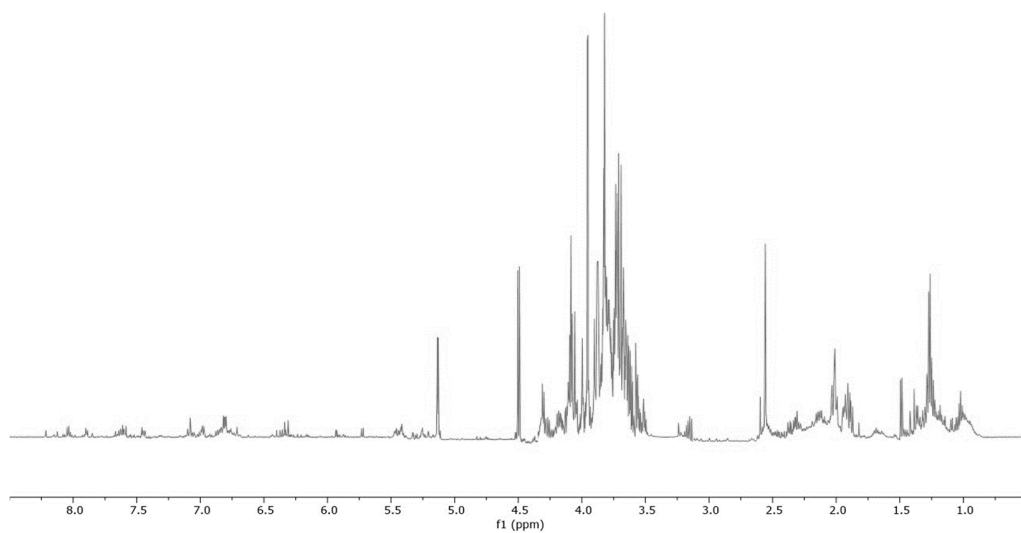


Figure S11. ¹H NMR Spectrum (600 MHz, CD₃OD) of **E**

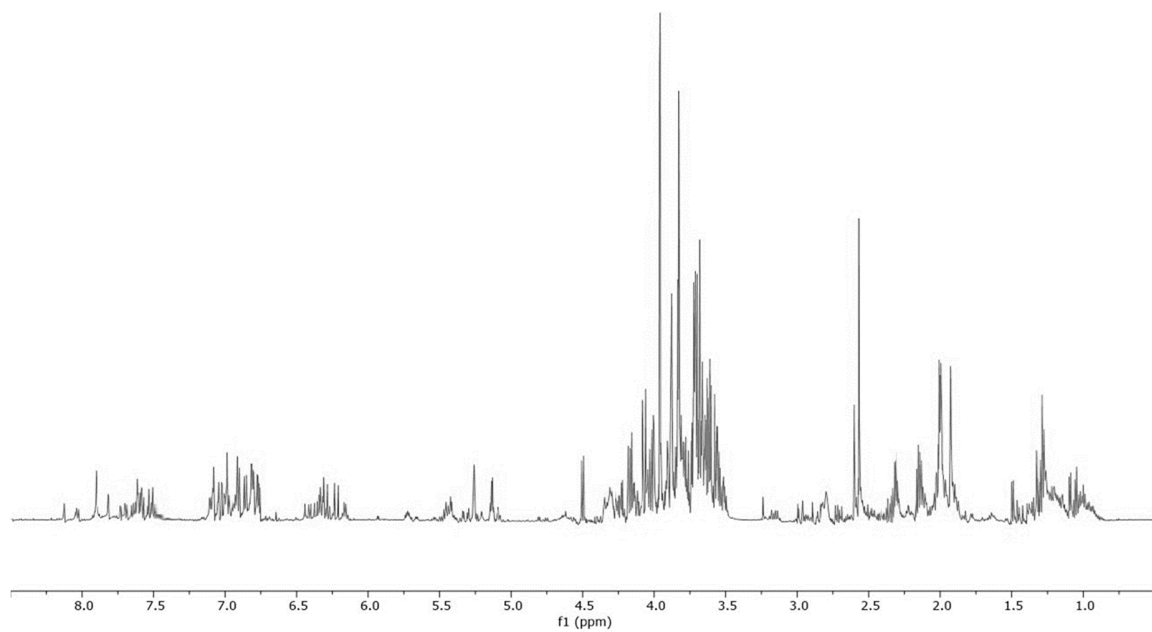


Figure S12. ^1H NMR Spectrum (600 MHz, CD_3OD) of **F**

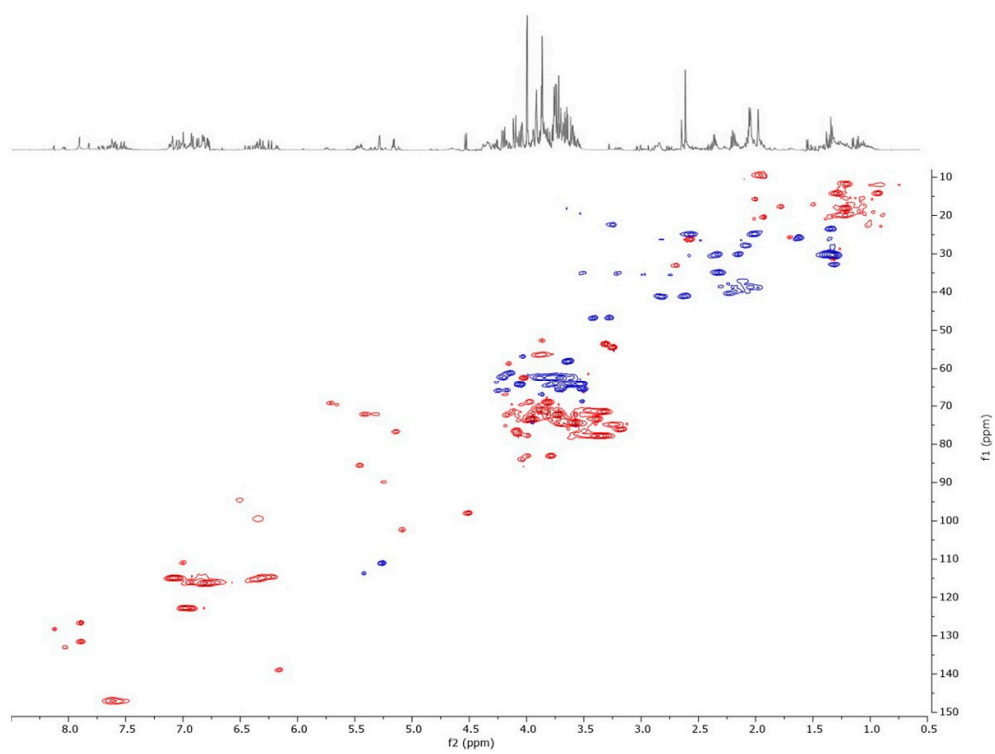


Figure S13. HSQC Spectrum (CD_3OD) of **F**

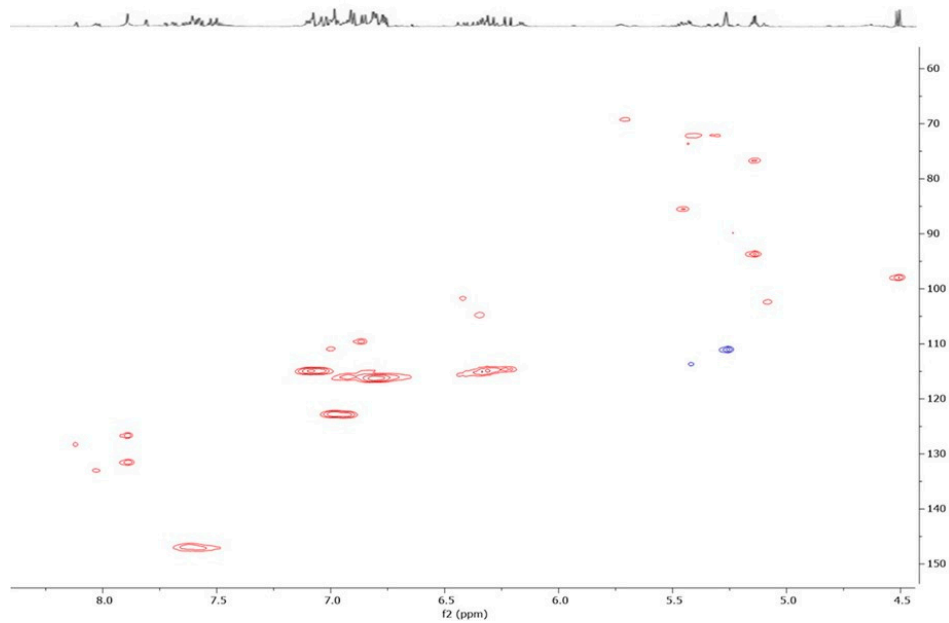


Figure S14. HSQC Spectrum (CD_3OD) of **F** region 4.5-8.5 ppm

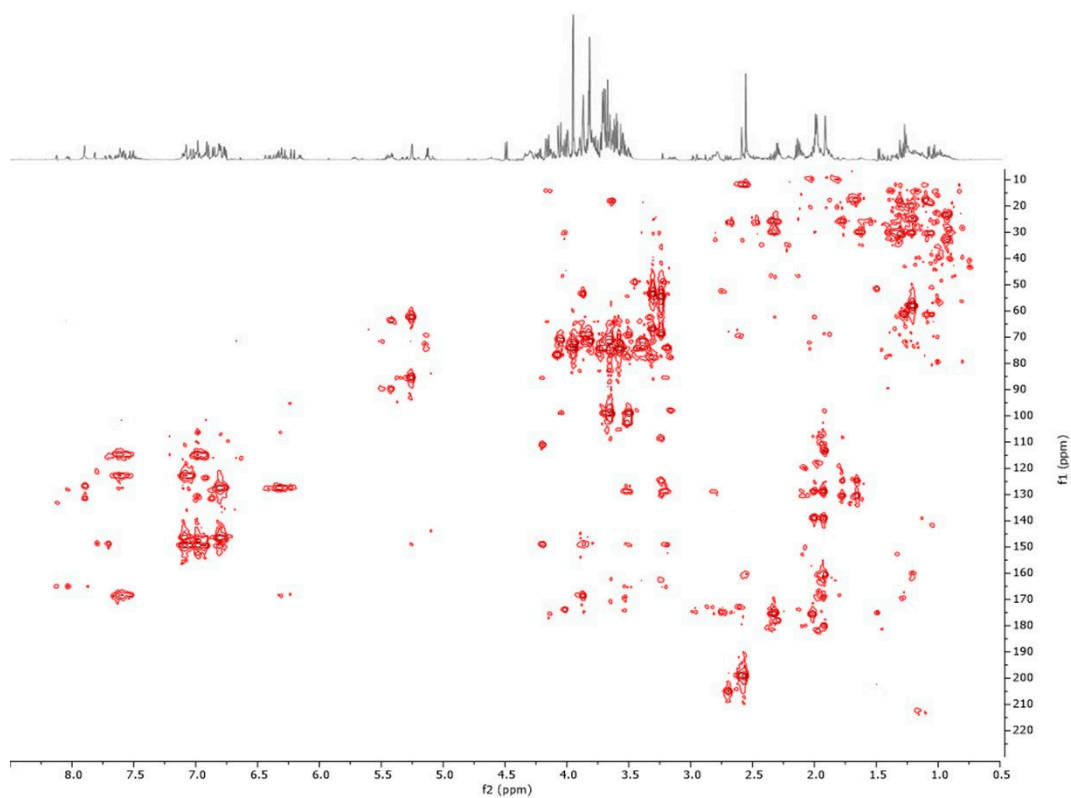


Figure S15. HMBC Spectrum (CD_3OD) of **F**

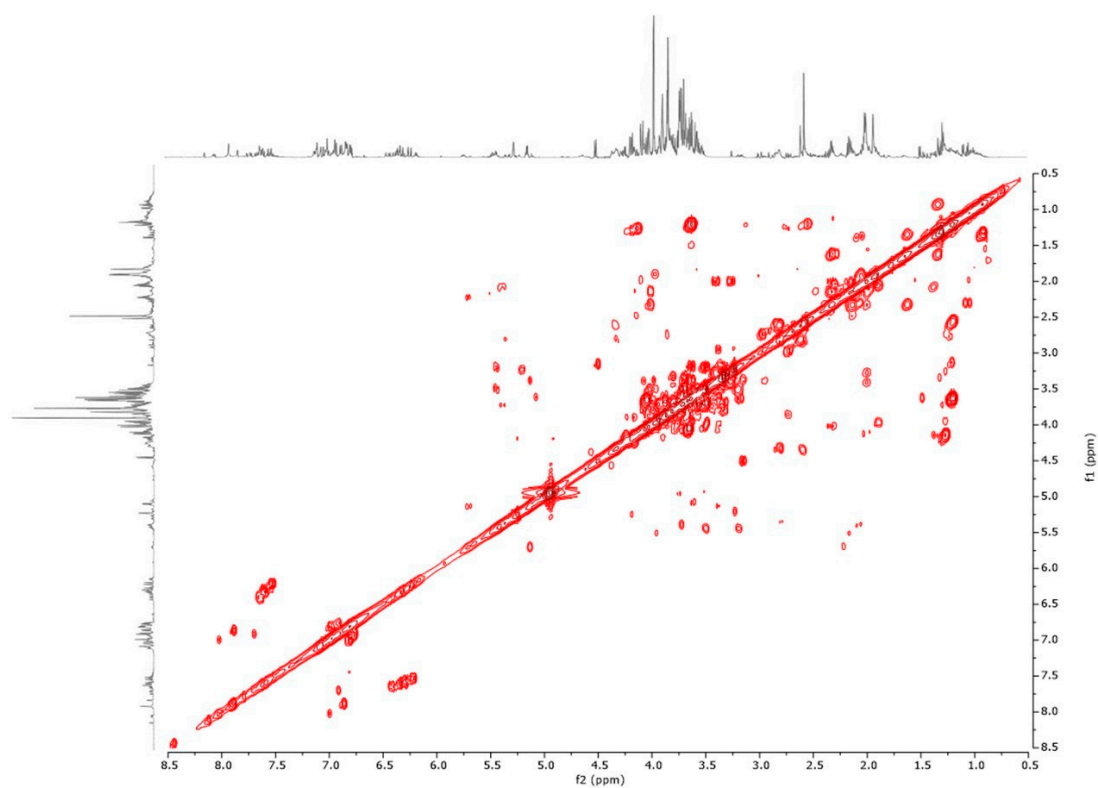


Figure S16. COSY Spectrum (CD_3OD) of **F**

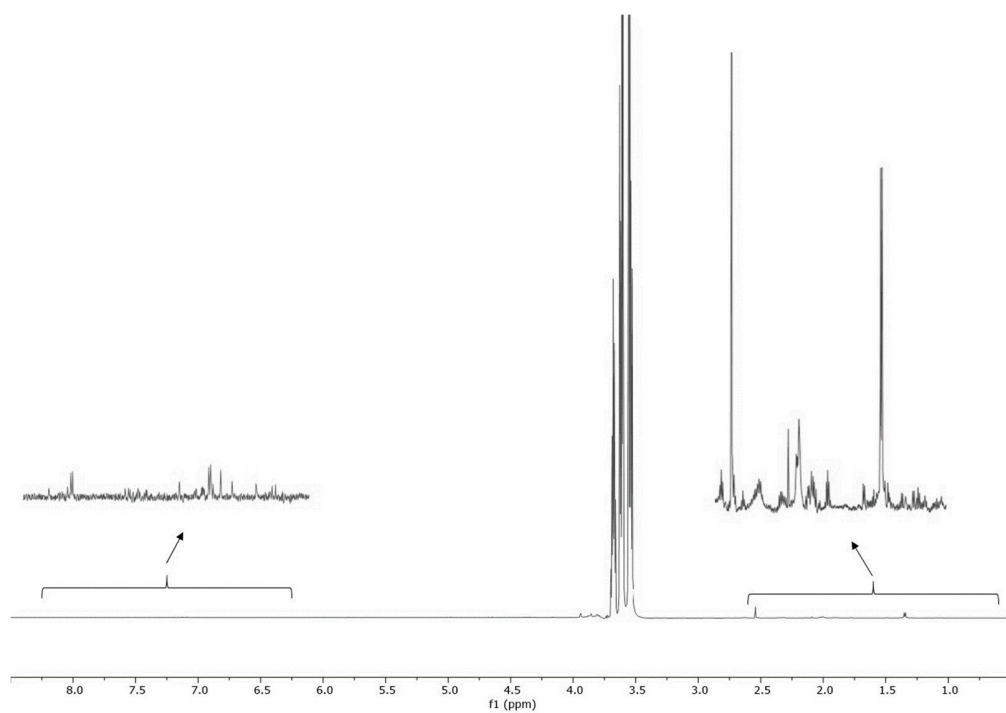


Figure S17. ^1H NMR Spectrum (600 MHz, CD_3OD) of **G**

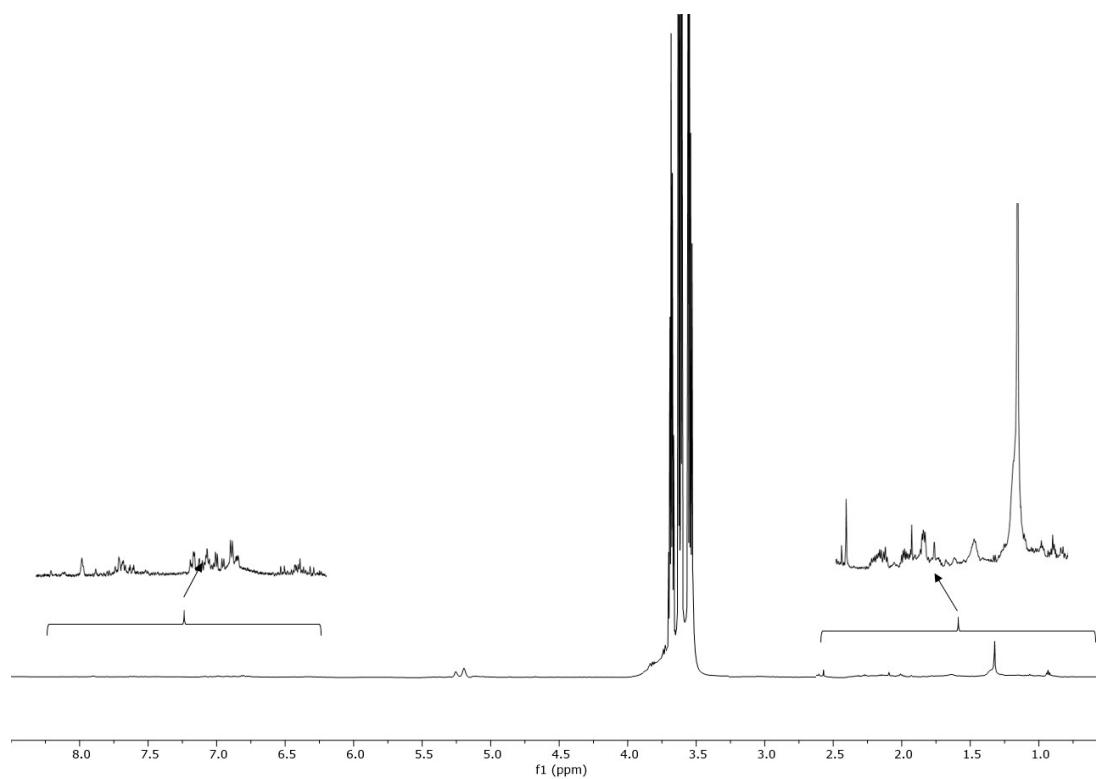


Figure S18. ^1H NMR Spectrum (600 MHz, CD_3OD) of **H**

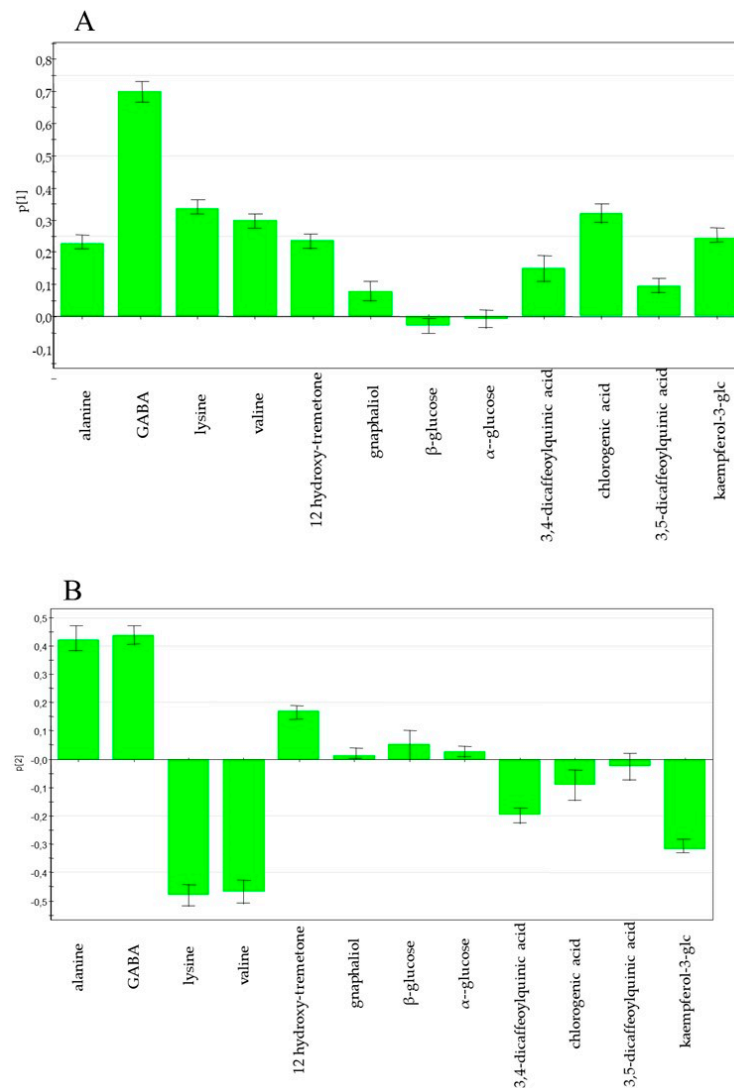


Figure S19. Principal Component Analysis of *H. italicum* derived food supplements obtained by targeted analysis. A) PCA single variables to the principal component 1 (PC1), B) PCA single variables to the principal component 2 (PC2)