

Supporting data

Metabolites from aerial parts of *Glycyrrhiza foetida* as modulators of targets related to metabolic syndrome

Hekmat B. Al-Hmadi^{1,2}, Elena Serino³, Arianna Pastore³, Giuseppina Chianese³, Saoussen Hammami², Mariano Stornaiuolo^{3,*} and Orazio Taglialatela-Scafati^{3,*}

¹ Department of Chemistry, College of Medicine, AL-Muthanna University, Samawah, Iraq; hekmat.alhmadi@mu.edu.iq (H.A-H.)

² Laboratory of Environmental Chemistry and Clean Processes (LR21ES04), Faculty of Sciences of Monastir, Monastir University, Monastir, 5000, Tunisia; h_saoussen@yahoo.fr (S.H.)

³ Department of Pharmacy, School of Medicine and Surgery, University of Naples Federico II, Via D. Montesano 49, 80131 Napoli, Italy; elena.serino@unina.it (E.S.); g.chianese@unina.it (G.C.); arianna.pastore@unina.it (A.P.)

Figure S1: ^1H NMR spectrum of compound 5 (CDCl_3 , 600MHz).....	2
Figure S2: HSQC 2D NMR spectrum of compound 5 (CDCl_3 , 600MHz)	2
Figure S3: HMBC 2D NMR spectrum of compound 5 (CDCl_3 , 600MHz)	3
Figure S4: COSY 2D NMR spectrum of compound 5 (CDCl_3 , 600MHz).....	3
Figure S5: ^1H NMR spectrum of compound 21 (CDCl_3 , 600MHz).....	4
Figure S6: HSQC 2D NMR spectrum of compound 21 (CDCl_3 , 600MHz)	4
Figure S7: HMBC 2D NMR spectrum of compound 21 (CDCl_3 , 600MHz)	5
Figure S8: COSY 2D NMR spectrum of compound 21 (CDCl_3 , 600MHz).....	5

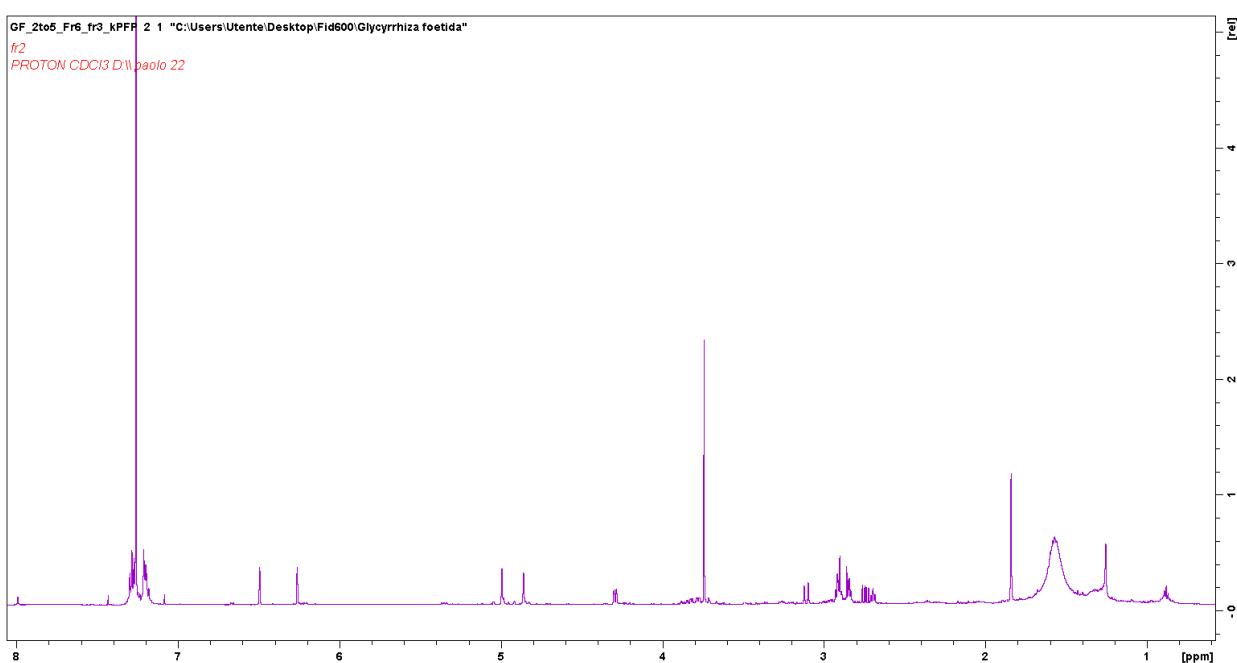


Figure S1: ¹H NMR spectrum of compound 5 (CDCl₃, 600MHz).

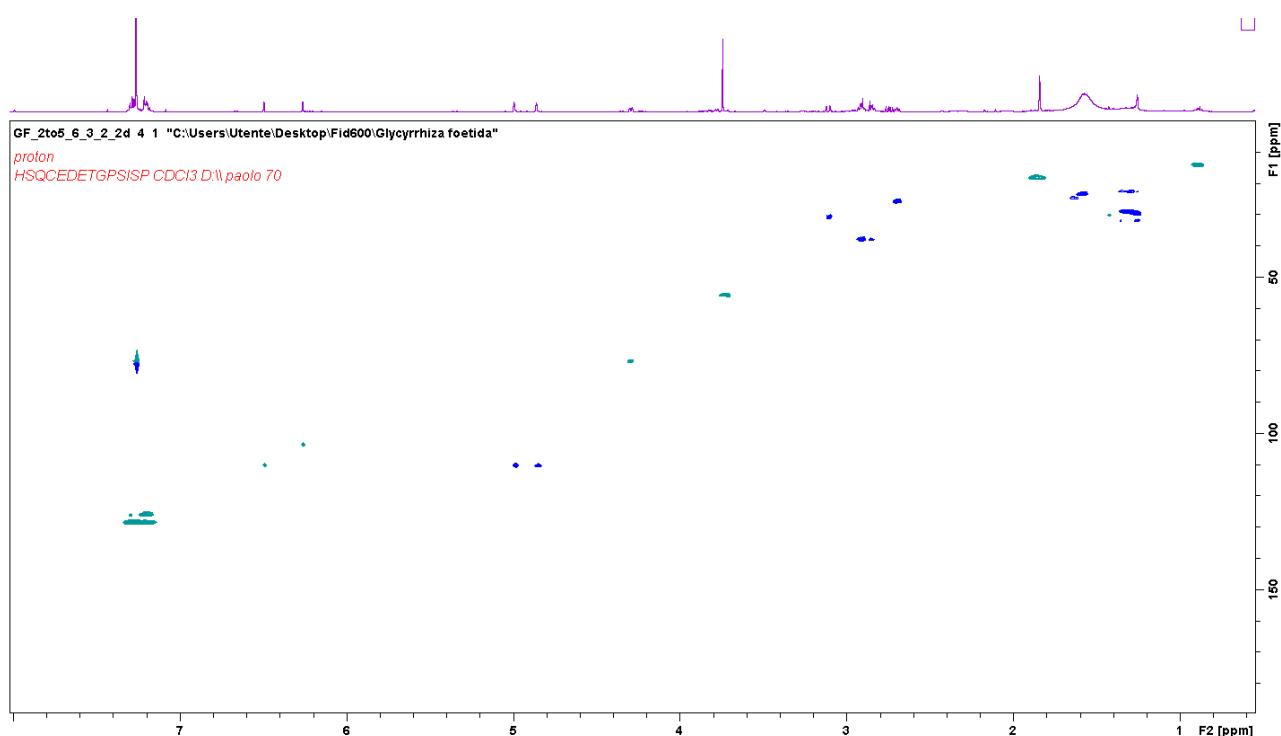


Figure S2: HSQC 2D NMR spectrum of compound 5 (CDCl₃, 600MHz).

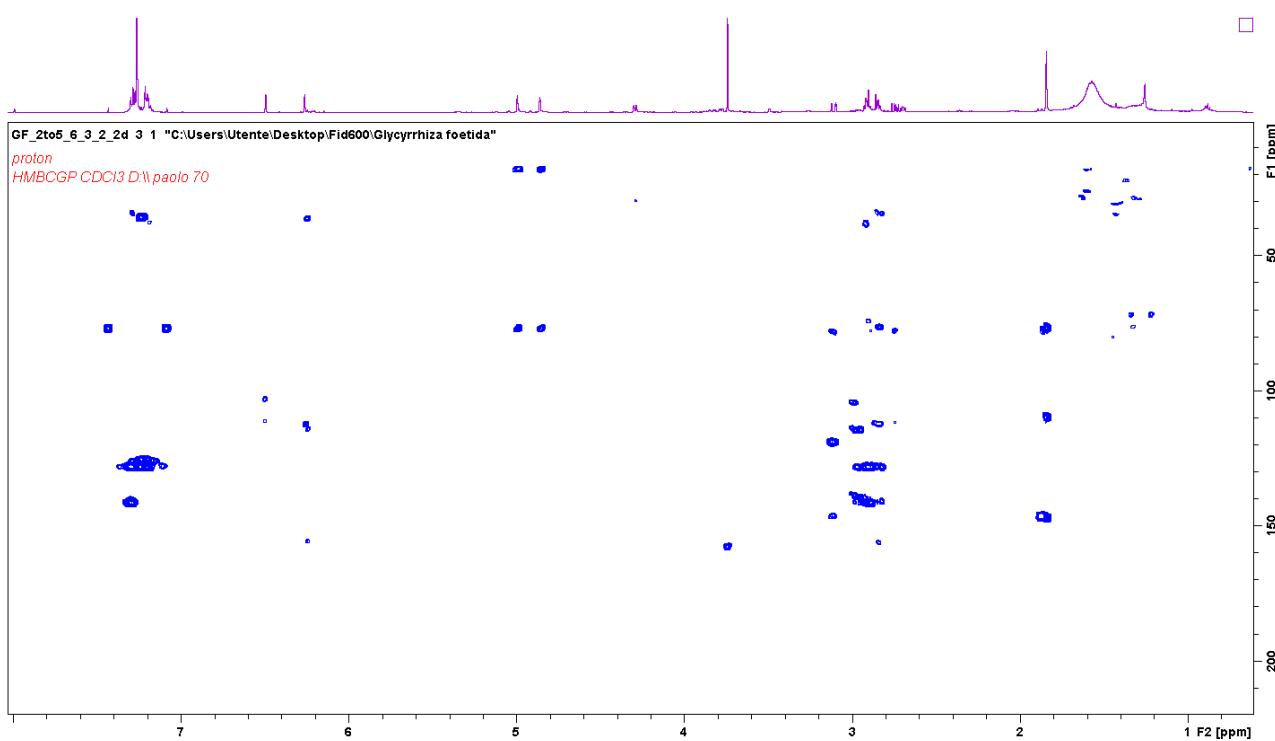


Figure S3: HMBC 2D NMR spectrum of compound 5 (CDCl_3 , 600MHz).

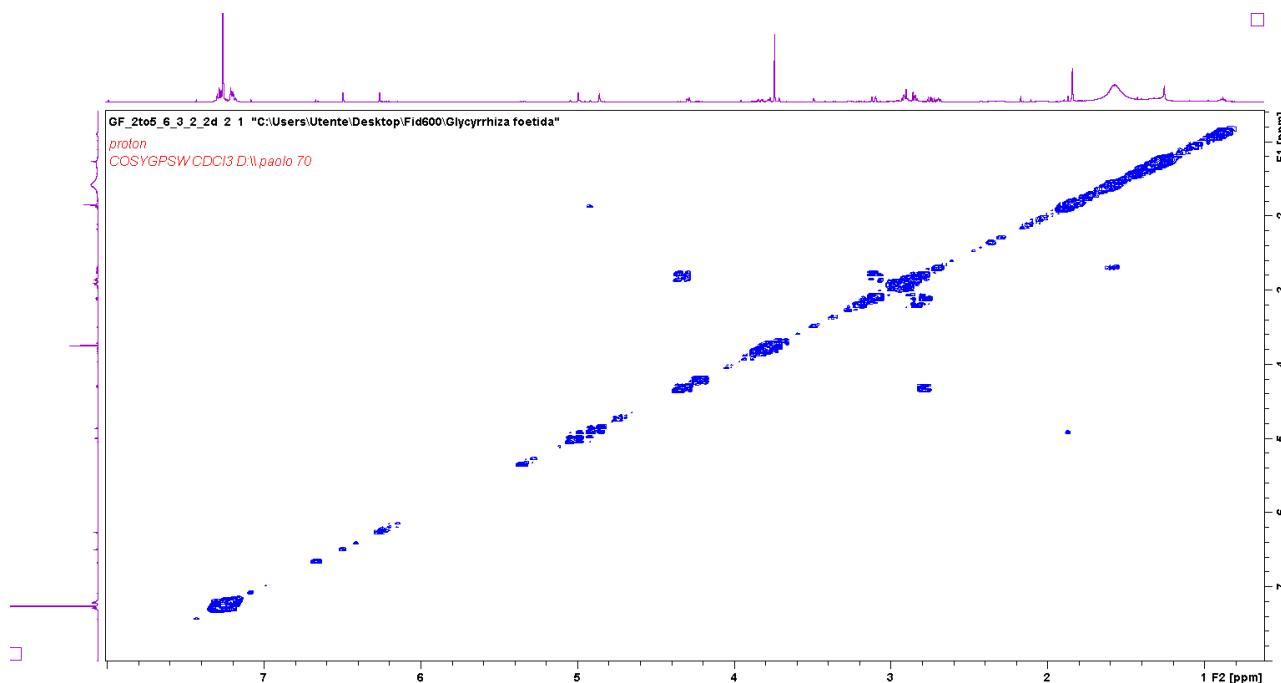


Figure S4: COSY 2D NMR spectrum of compound 5 (CDCl_3 , 600MHz).

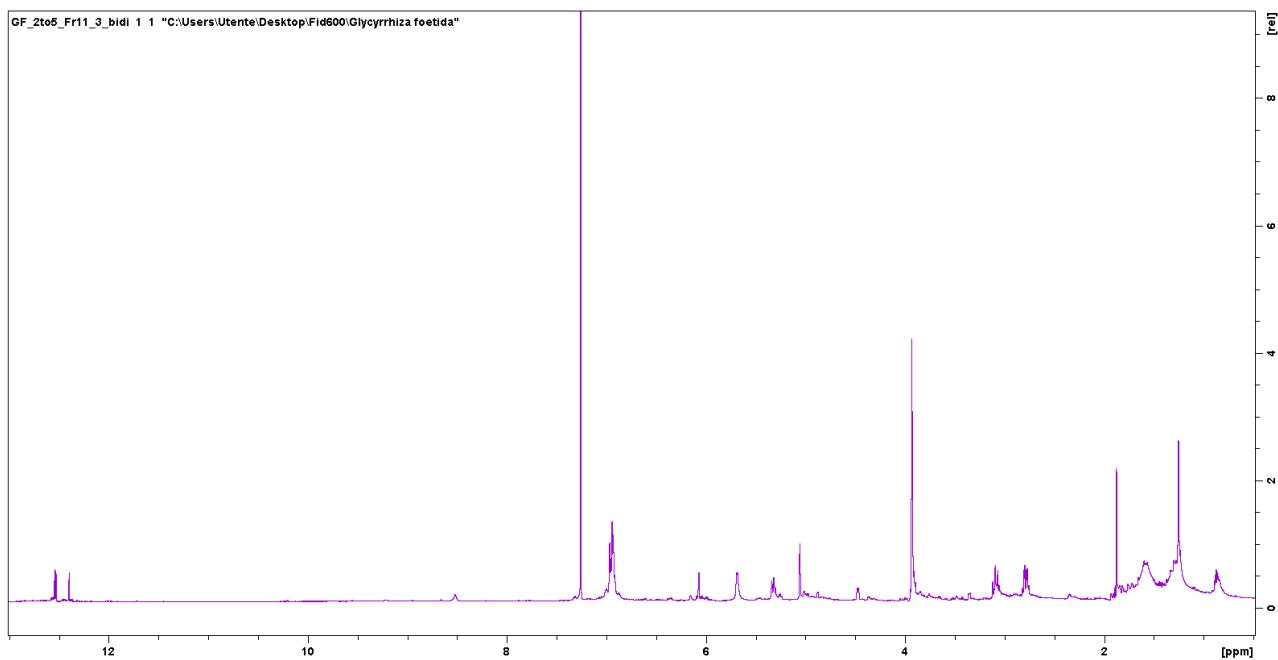


Figure S5: ^1H NMR spectrum of compound **21** (CDCl_3 , 600MHz).

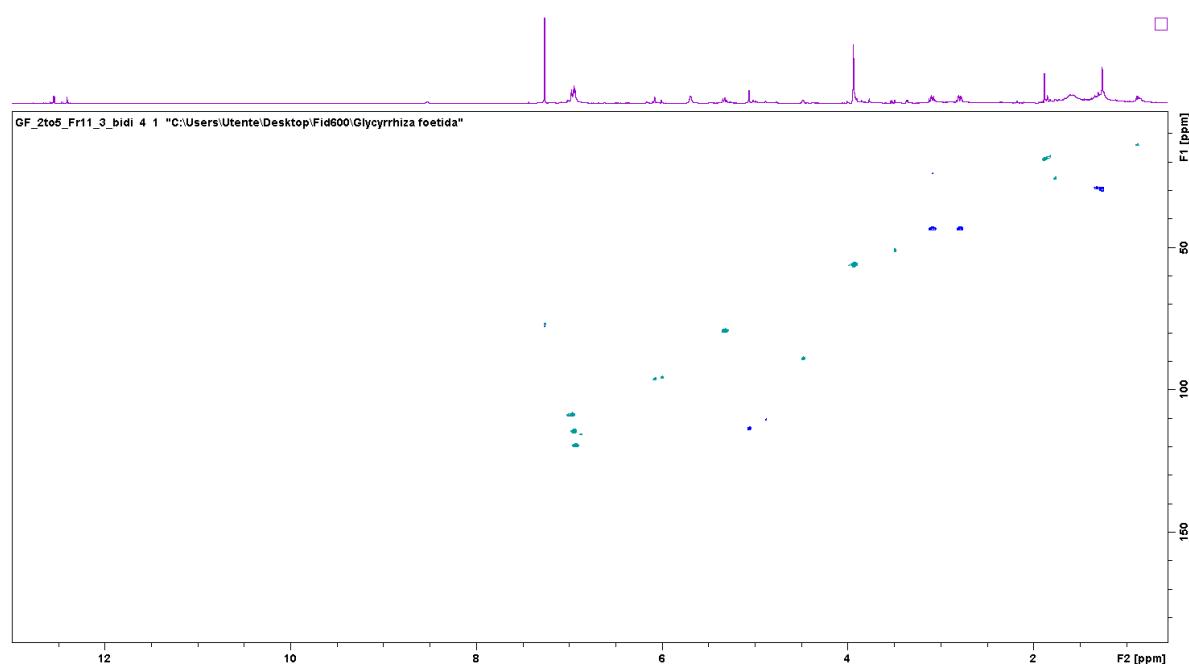


Figure S6: HSQC 2D NMR spectrum of compound **21** (CDCl_3 , 600MHz).

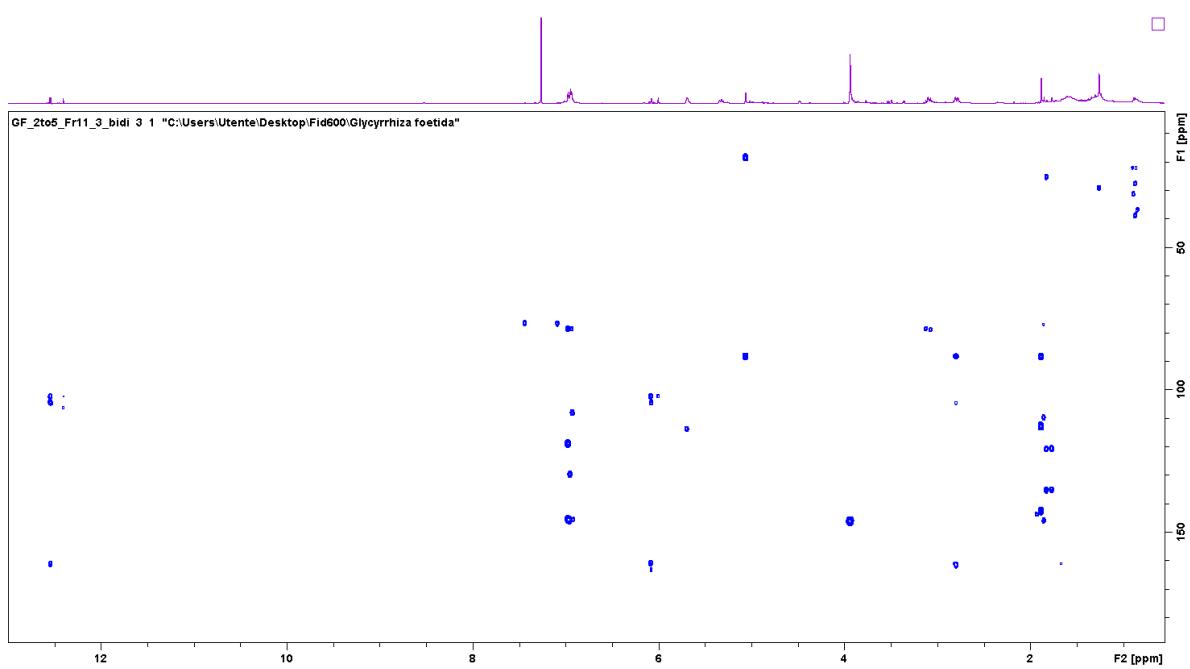


Figure S7: HMBC 2D NMR spectrum of compound **21** (CDCl_3 , 600MHz).

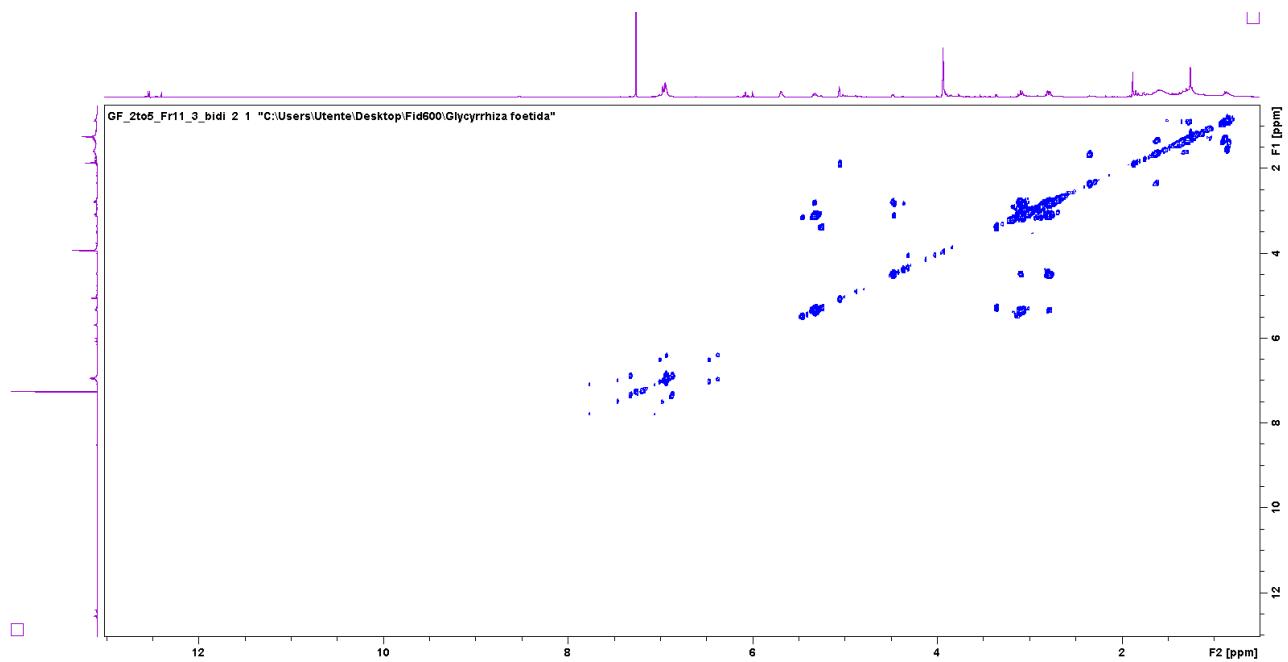


Figure S8: COSY 2D NMR spectrum of compound **21** (CDCl_3 , 600MHz).