

Supplementary Data

Chalcone Methoxy Derivatives Exhibit Antiproliferative and Proapoptotic Activity on Canine Lymphoma and Leukemia Cells

Aleksandra Pawlak ^{1,*}, Marta Henklewska ¹, Beatriz Hernández Suárez ¹, Mateusz Łuźny ², Ewa Kozłowska ², Bożena Obmińska-Mrukowicz ¹ and Tomasz Janeczko ²

¹ Department of Pharmacology and Toxicology, Wrocław University of Environmental and Life Sciences, C.K. Norwida 31, 50-375 Wrocław, Poland; marta.henklewska@upwr.edu.pl (M.H.); beatriz.hernandez-suarez@upwr.edu.pl (B.H.S.); b.mrukowicz@gmail.com (B.O.-M.)

² Department of Chemistry, Wrocław University of Environmental and Life Sciences, Norwida 25, 50-375 Wrocław, Poland; mateusz.luzny@upwr.edu.pl (M.Ł.); ewa.kozlowska1@upwr.edu.pl (E.K.); tomasz.janeczko@upwr.edu.pl (T.J.)

* Correspondence: aleksandra.pawlak@upwr.edu.pl

Content

- Figure S1. ¹H NMR spectral of 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl₃, 600 MHz).
- Figure S2. Part of the ¹H NMR spectral 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl₃, 600 MHz).
- Figure S3. ¹³C NMR spectral of 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl₃, 151 MHz).
- Figure S4. COSY spectral of 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl₃, 151 MHz).
- Figure S5. HSQC spectral of 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl₃, 151 MHz).
- Figure S6. ¹H NMR spectral of 2'-hydroxy-3''-methoxychalcone (**2**) (CDCl₃, 600 MHz).
- Figure S7. Part of the ¹H NMR spectral 2'-hydroxy-3''-methoxychalcone (**2**) (CDCl₃, 600 MHz).
- Figure S8. ¹³C NMR spectral of 2'-hydroxy-3''-methoxychalcone (**2**) (CDCl₃, 151 MHz).
- Figure S9. HSQC spectral of 2'-hydroxy-3''-methoxychalcone (**2**) (CDCl₃, 151 MHz).
- Figure S10. ¹H NMR spectral of 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl₃, 600 MHz).
- Figure S11. Part of the ¹H NMR spectral 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl₃, 600 MHz).
- Figure S12. ¹³C NMR spectral of 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl₃, 151 MHz).
- Figure S13. COSY spectral of 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl₃, 151 MHz).
- Figure S14. HSQC spectral of 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl₃, 151 MHz).
- Figure S15. ¹H NMR spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (**4**) (CDCl₃, 600 MHz).
- Figure S16. Part of the ¹H NMR spectral 2'-hydroxy-3'',4'',5''-trimethoxychalcone (**4**) (CDCl₃, 600 MHz).
- Figure S17. ¹³C NMR spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (**4**) (CDCl₃, 151 MHz).
- Figure S18. COSY spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (**4**) (CDCl₃, 151 MHz).
- Figure S19. HSQC spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (**4**) (CDCl₃, 151 MHz).
- Figure S20. ¹H NMR spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (**5**) (CDCl₃, 600 MHz).
- Figure S21. Part of the ¹H NMR spectral 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (**5**) (CDCl₃, 600 MHz).
- Figure S22. ¹³C NMR spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (**5**) (CDCl₃, 151 MHz).
- Figure S23. HSQC spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (**5**) (CDCl₃, 151 MHz).
- Figure S24. HMBC spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (**5**) (CDCl₃, 151 MHz).
- Figure S25. ¹H NMR spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (**6**) (CDCl₃, 600 MHz).
- Figure S26. Part of the ¹H NMR spectral 2'-hydroxy-2'',5''-dimethoxychalcone (**6**) (CDCl₃, 600 MHz).
- Figure S27. ¹³C NMR spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (**6**) (CDCl₃, 151 MHz).
- Figure S28. COSY spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (**6**) (CDCl₃, 151 MHz).
- Figure S29. HSQC spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (**6**) (CDCl₃, 151 MHz).

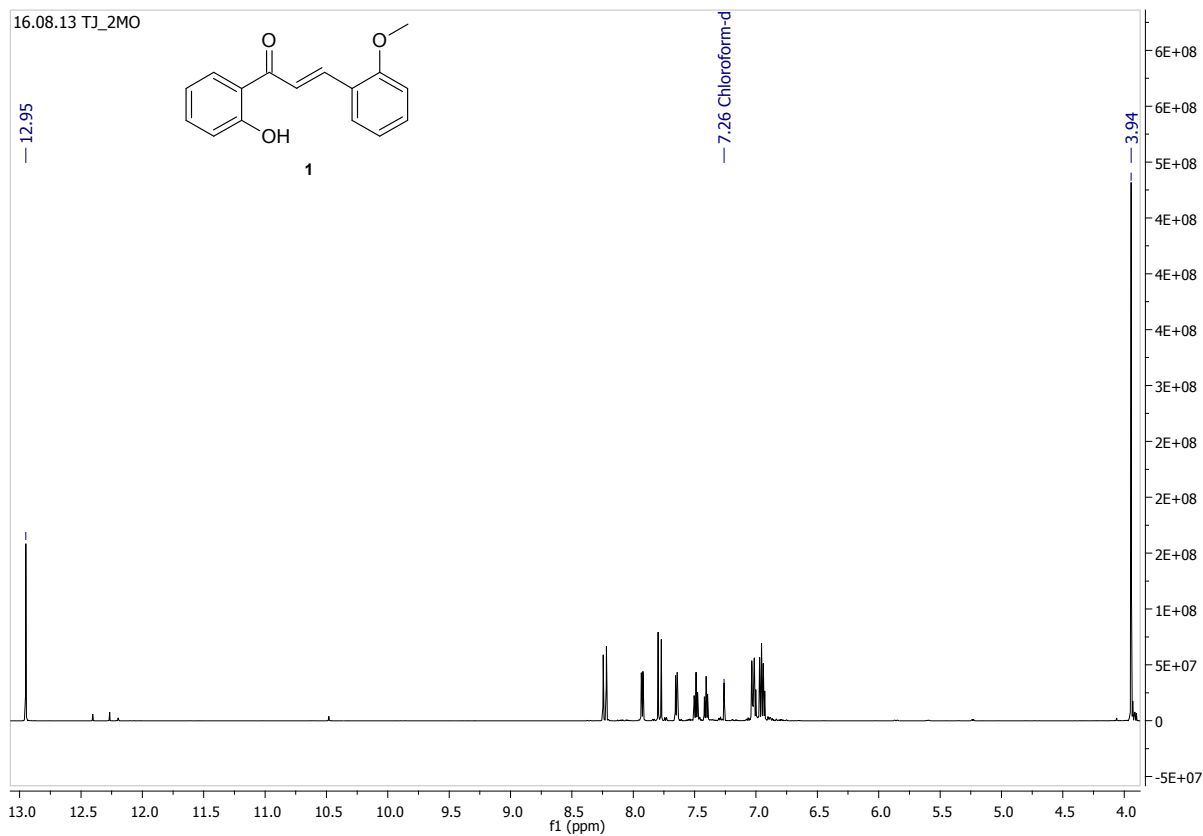


Figure S1. ^1H NMR spectral of 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl_3 , 600 MHz).

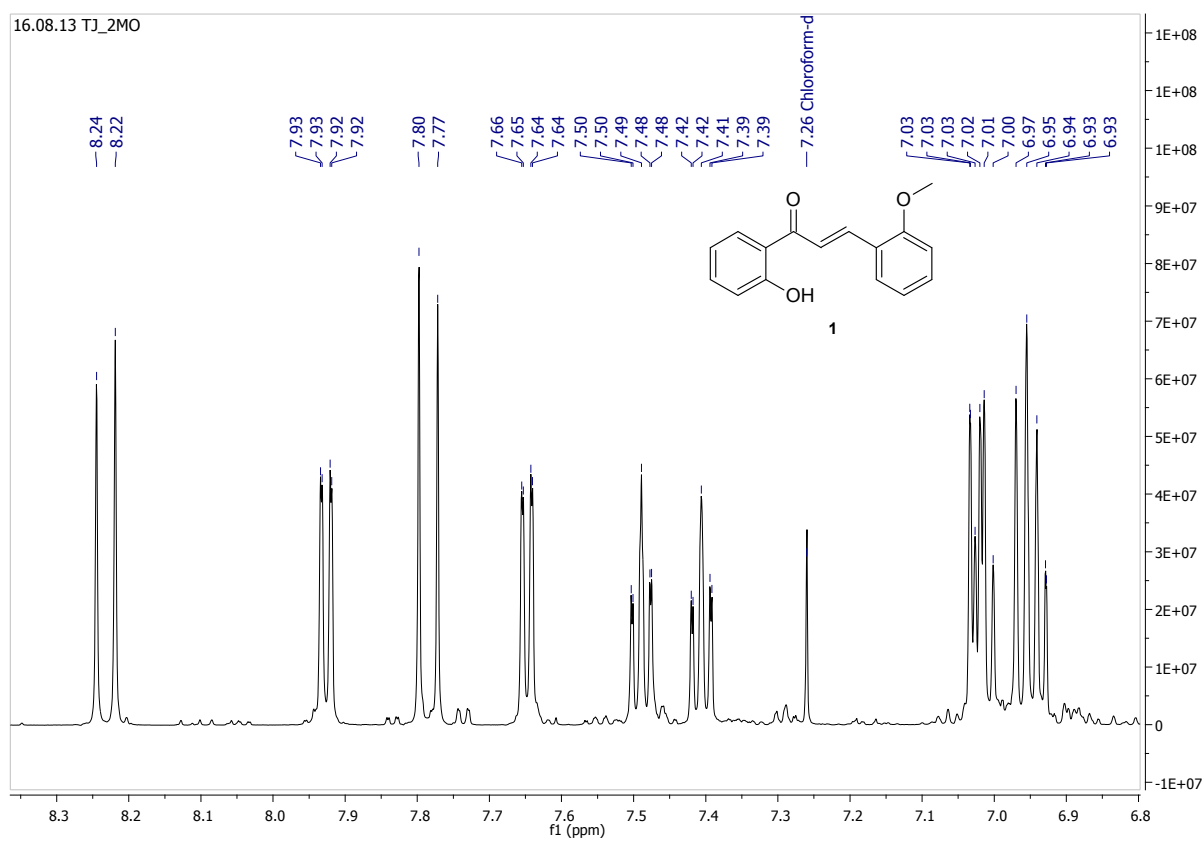


Figure S2. Part of the ^1H NMR spectral 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl_3 , 600 MHz).

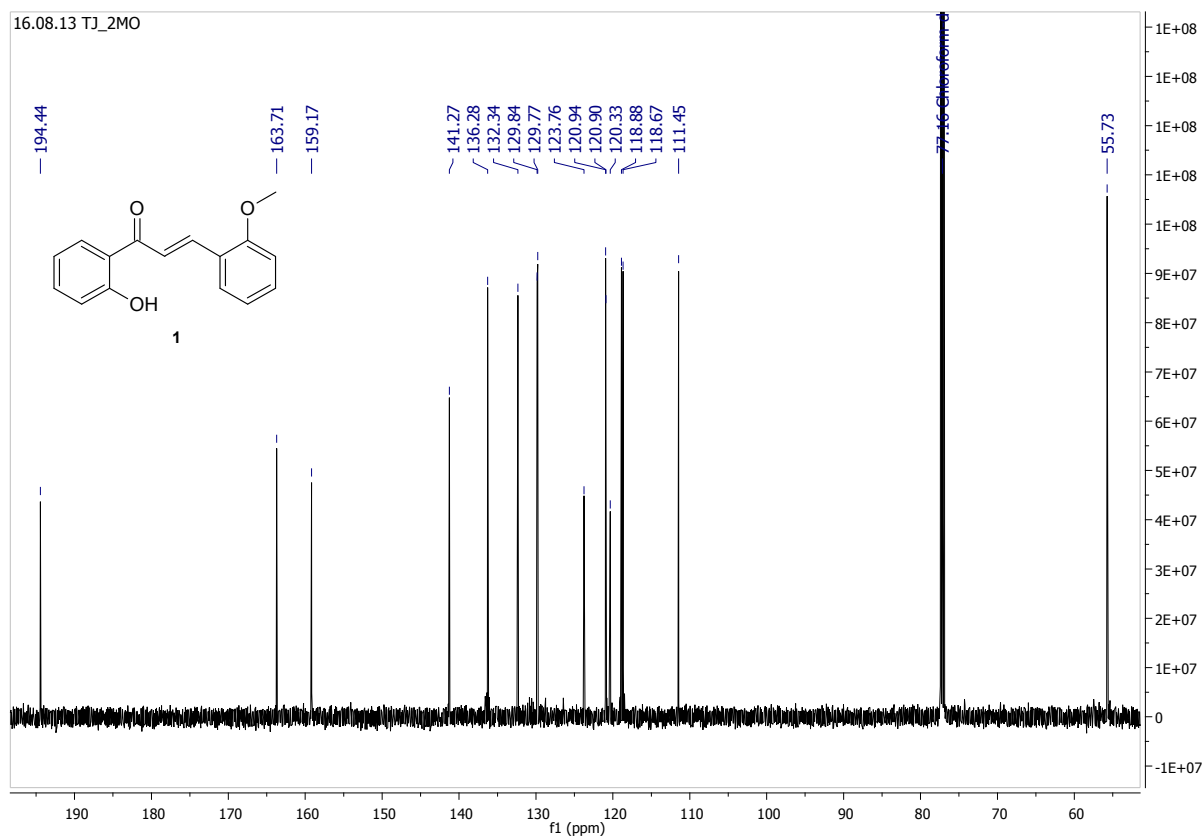


Figure S3. ^{13}C NMR spectral of 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl₃, 151 MHz).

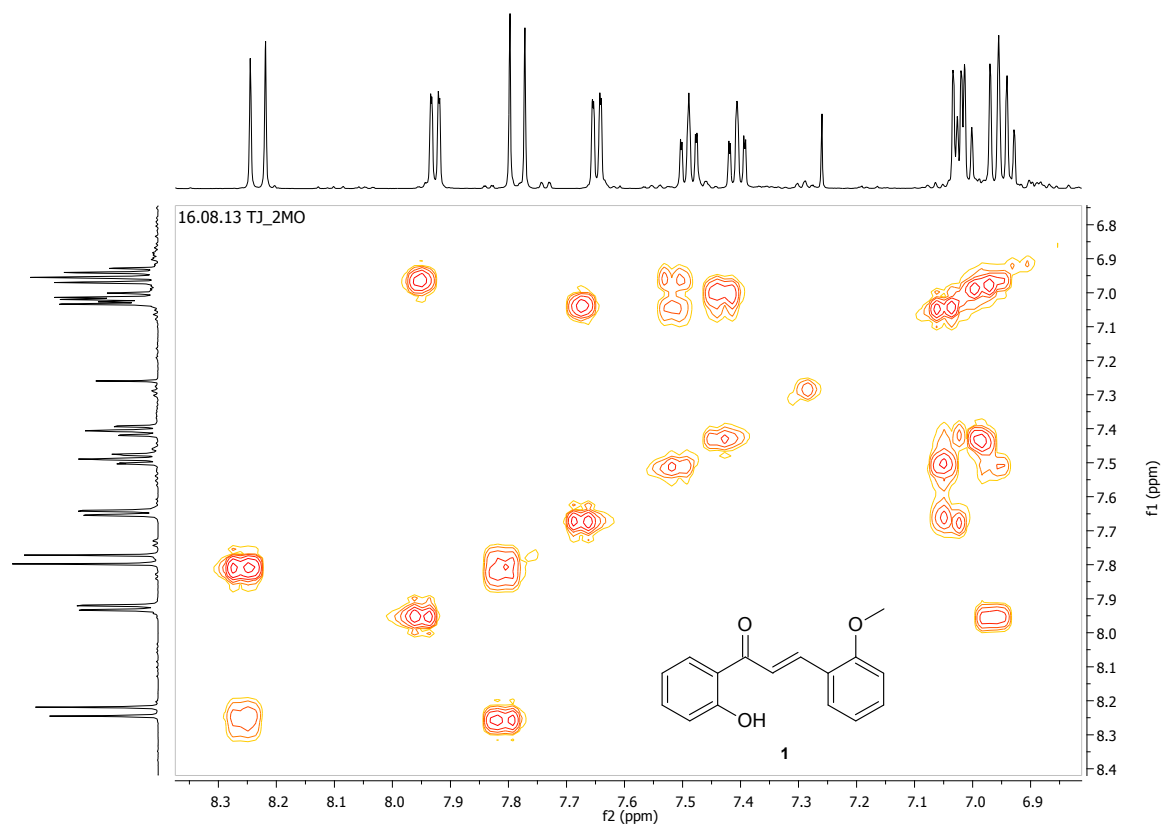


Figure S4. COSY spectral of 2'-hydroxy-2''-methoxychalcone (**1**) (CDCl₃, 151 MHz).

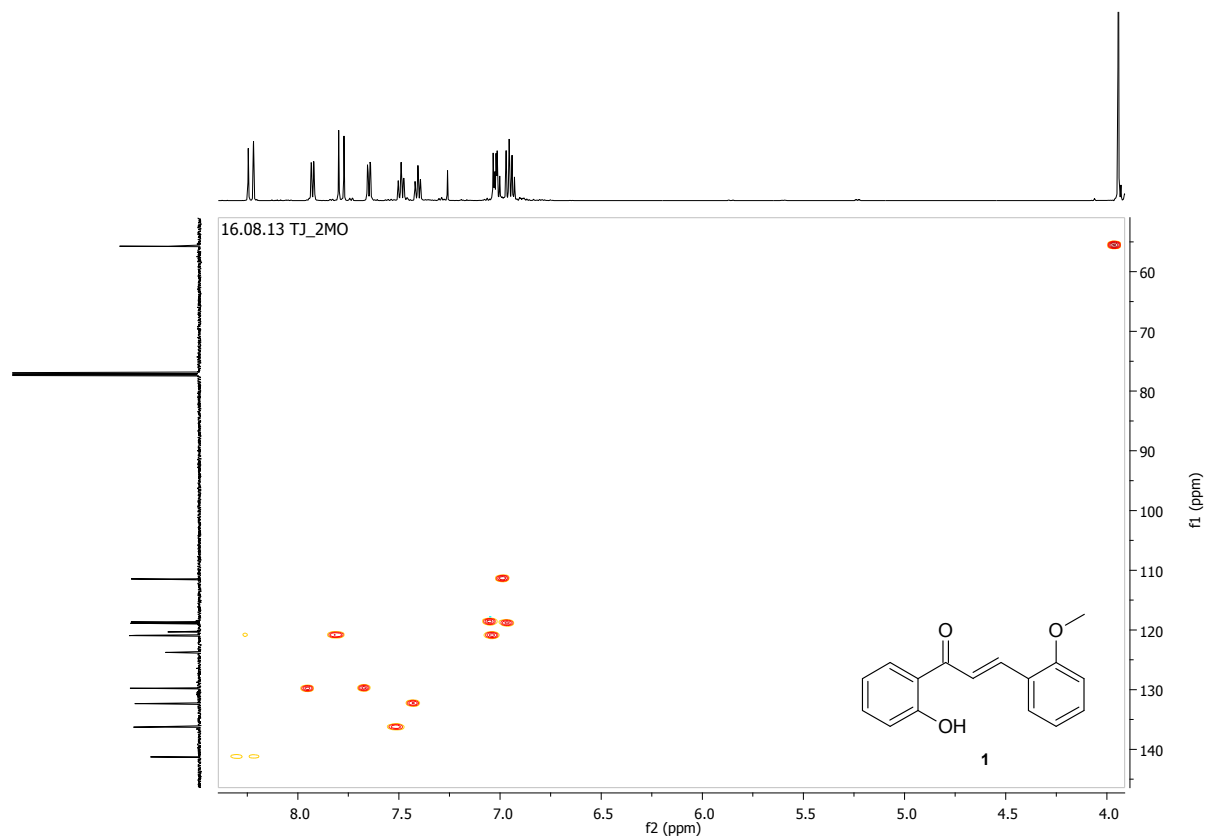


Figure S5. HSQC spectral of 2'-hydroxy-2''-methoxychalcone (1) (CDCl₃, 151 MHz).

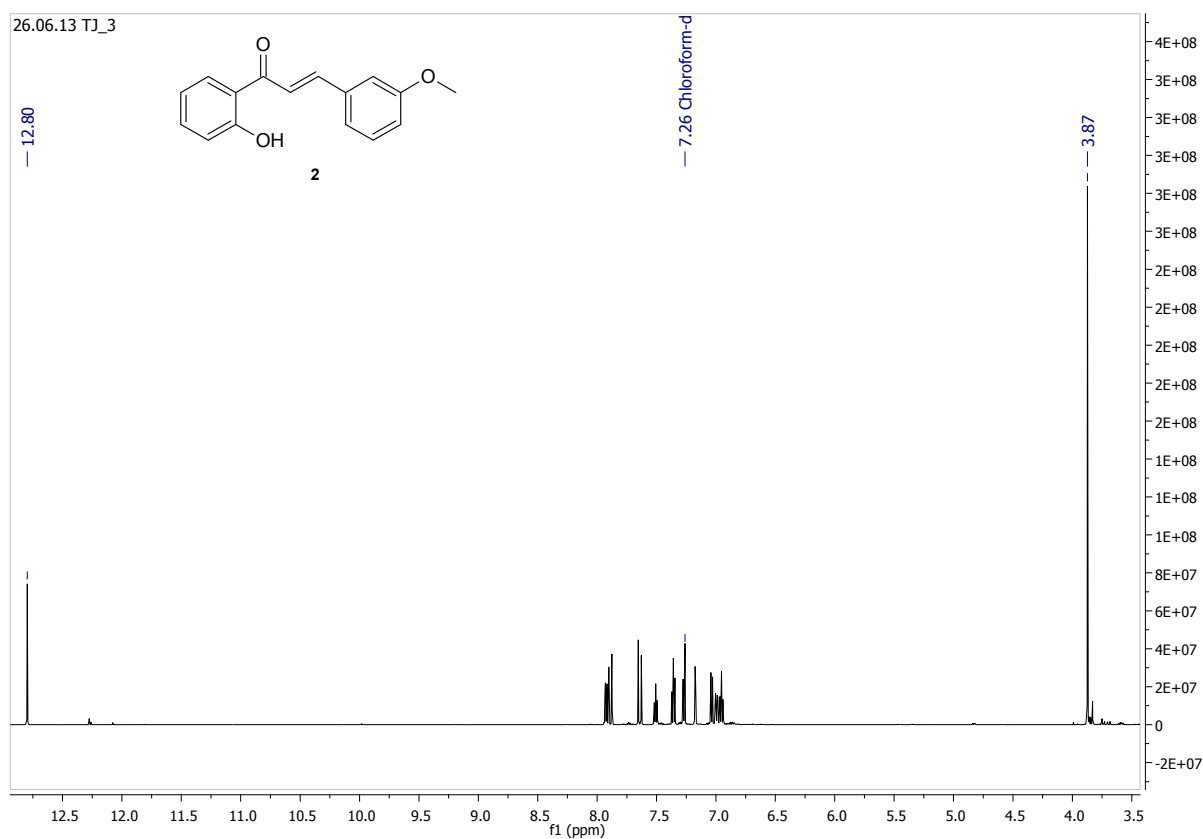


Figure S6. ¹H NMR spectral of 2'-hydroxy-3''-methoxychalcone (2) (CDCl₃, 600 MHz).

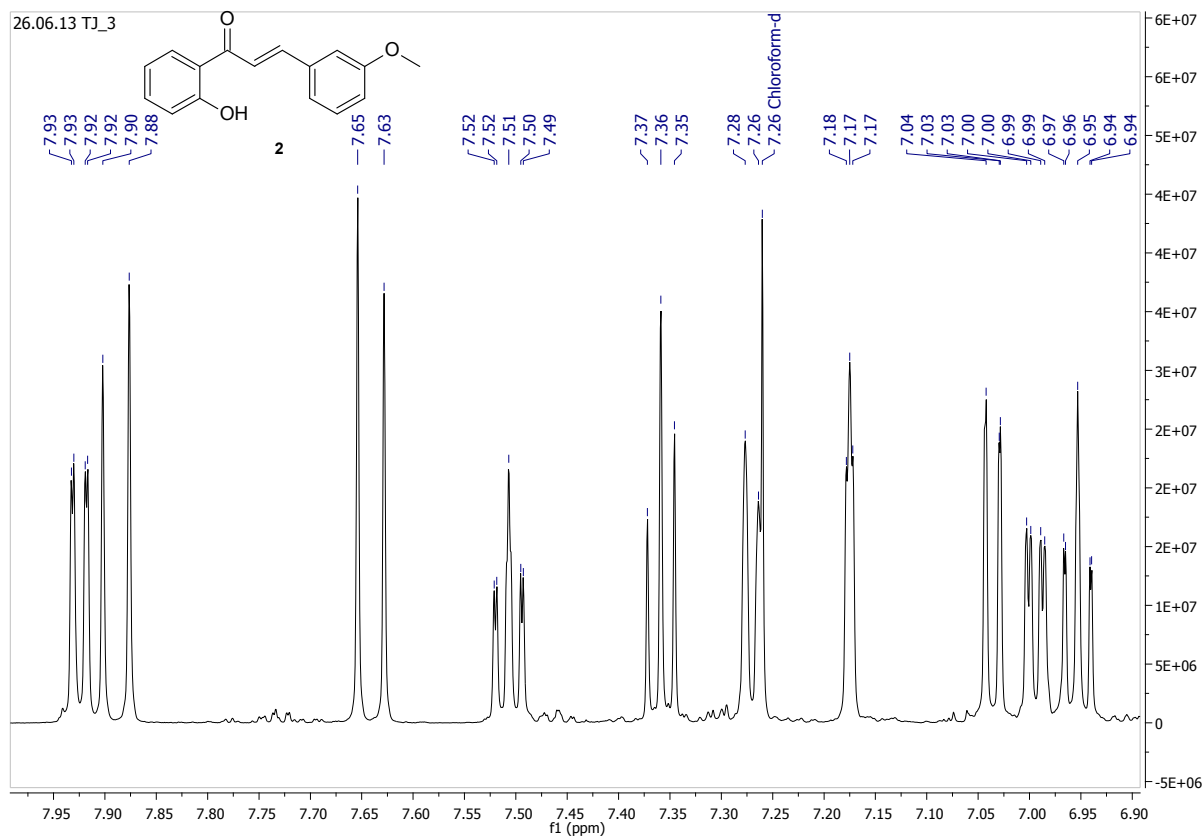


Figure S7. Part of the ^1H NMR spectral 2'-hydroxy-3''-methoxychalcone (2) (CDCl_3 , 600 MHz).

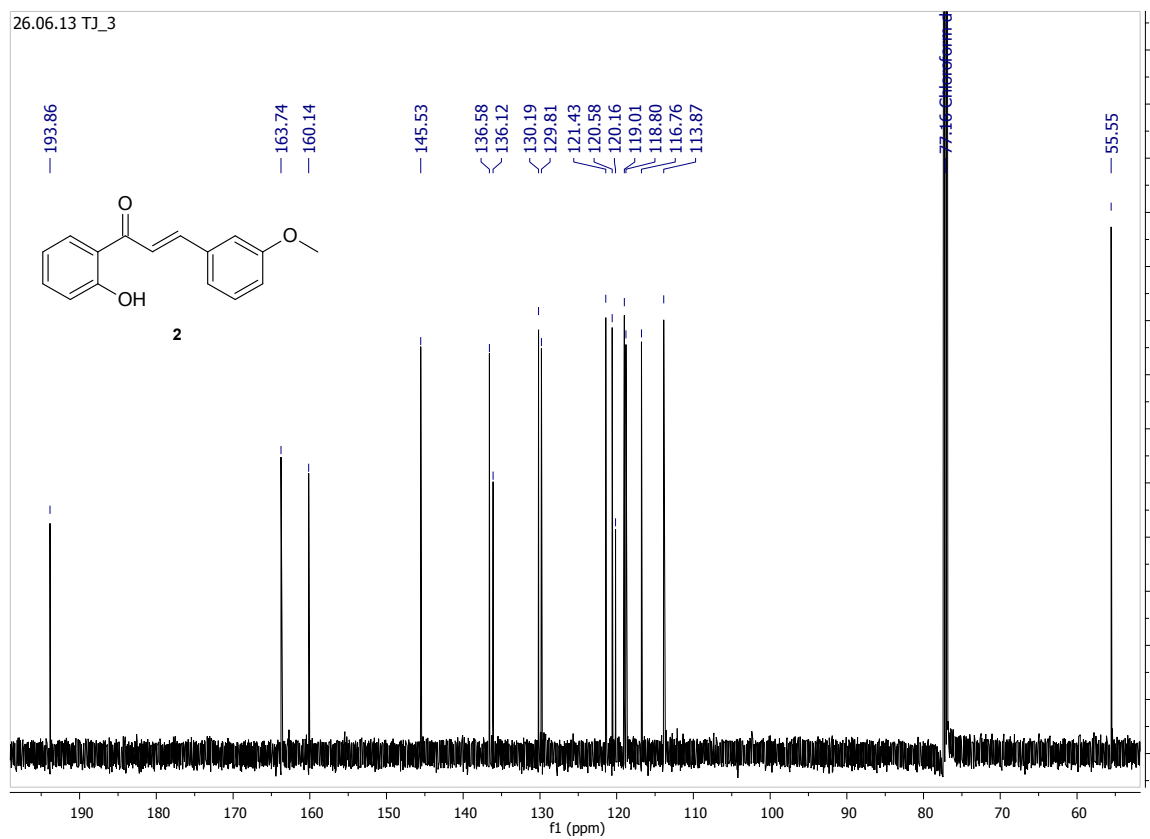


Figure S8. ^{13}C NMR spectral of 2'-hydroxy-3''-methoxychalcone (2) (CDCl_3 , 151 MHz).

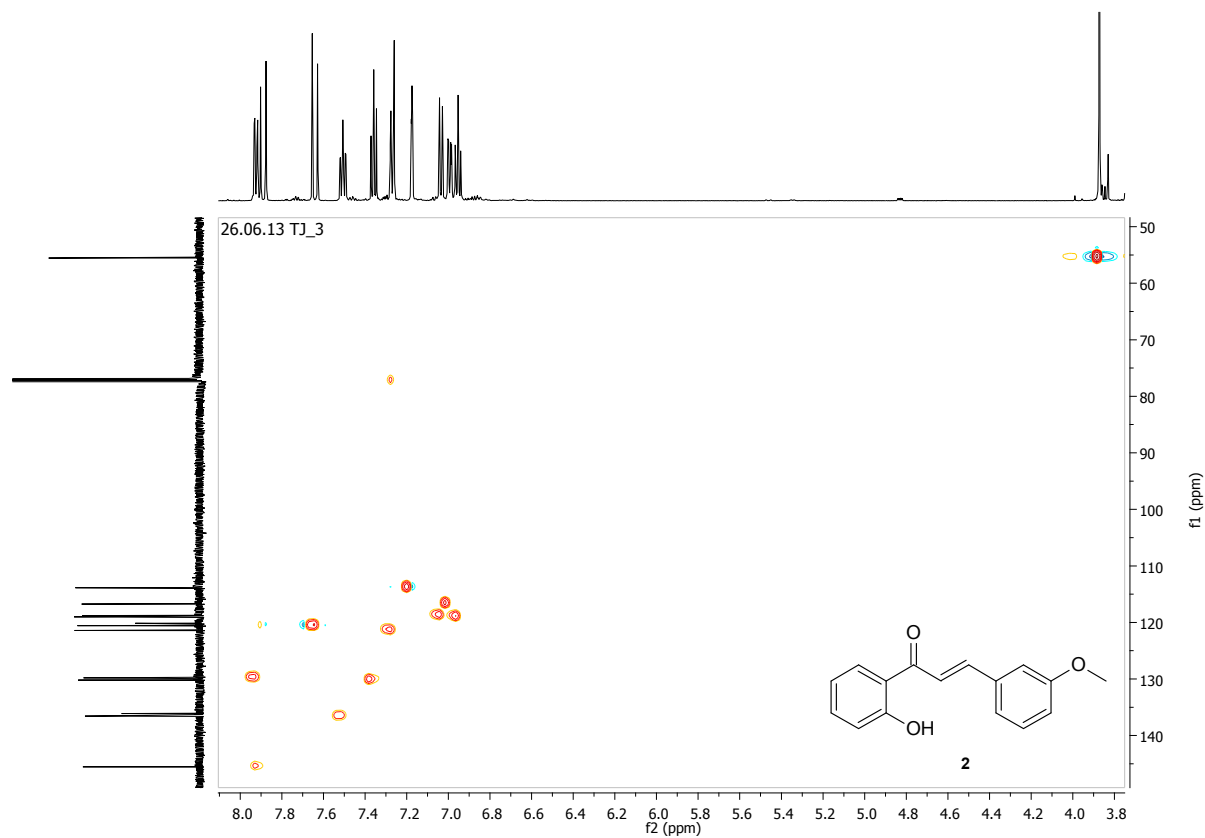


Figure S9. HSQC spectral of 2'-hydroxy-3''-methoxychalcone (**2**) (CDCl_3 , 151 MHz).

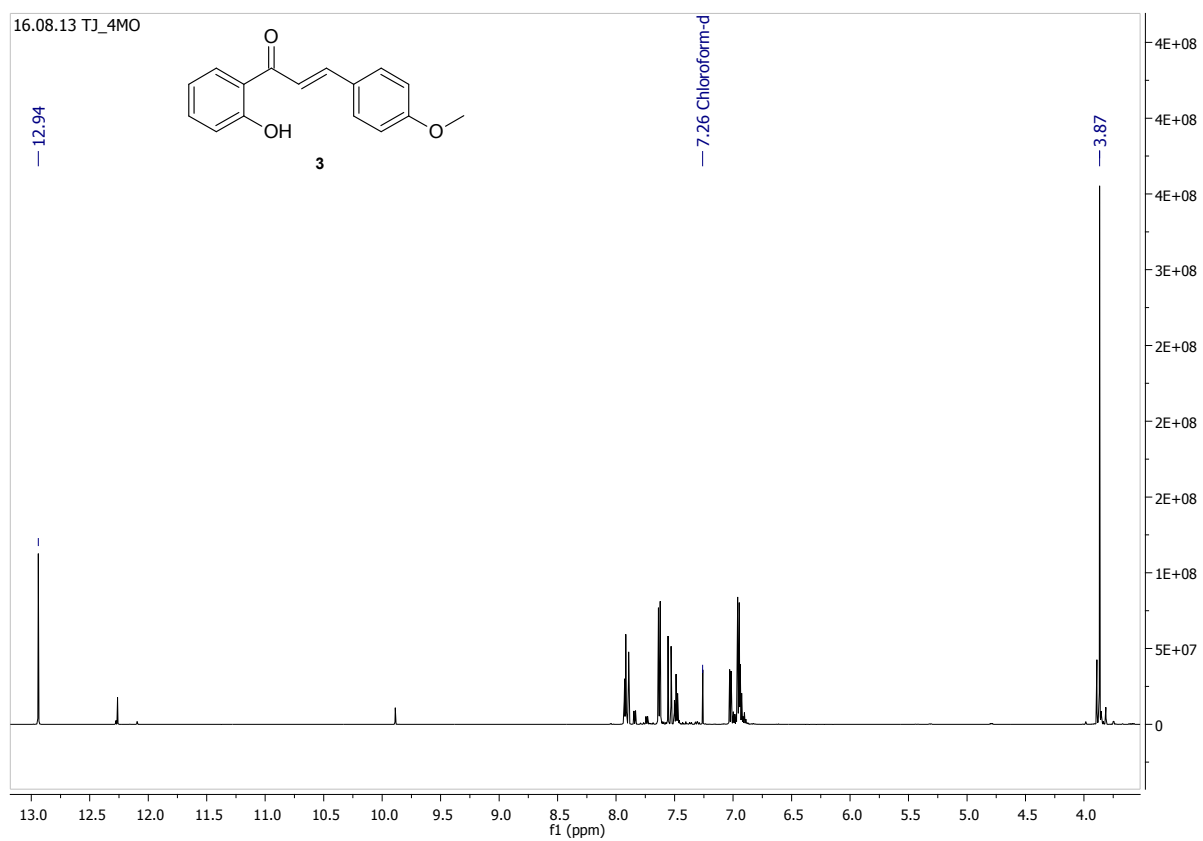


Figure S10. ^1H NMR spectral of 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl_3 , 600 MHz).

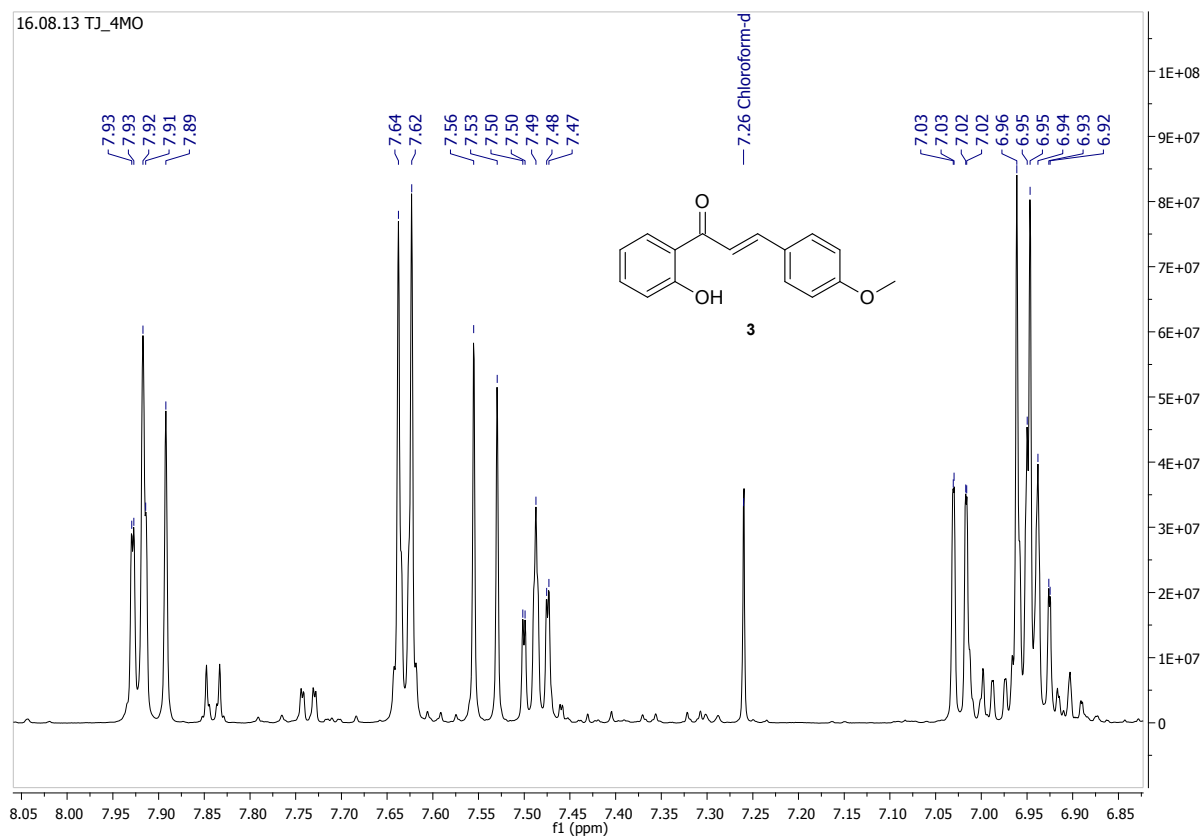


Figure S11. Part of the ^1H NMR spectral 2'-hydroxy-4''-methoxychalcone (3) (CDCl_3 , 600 MHz).

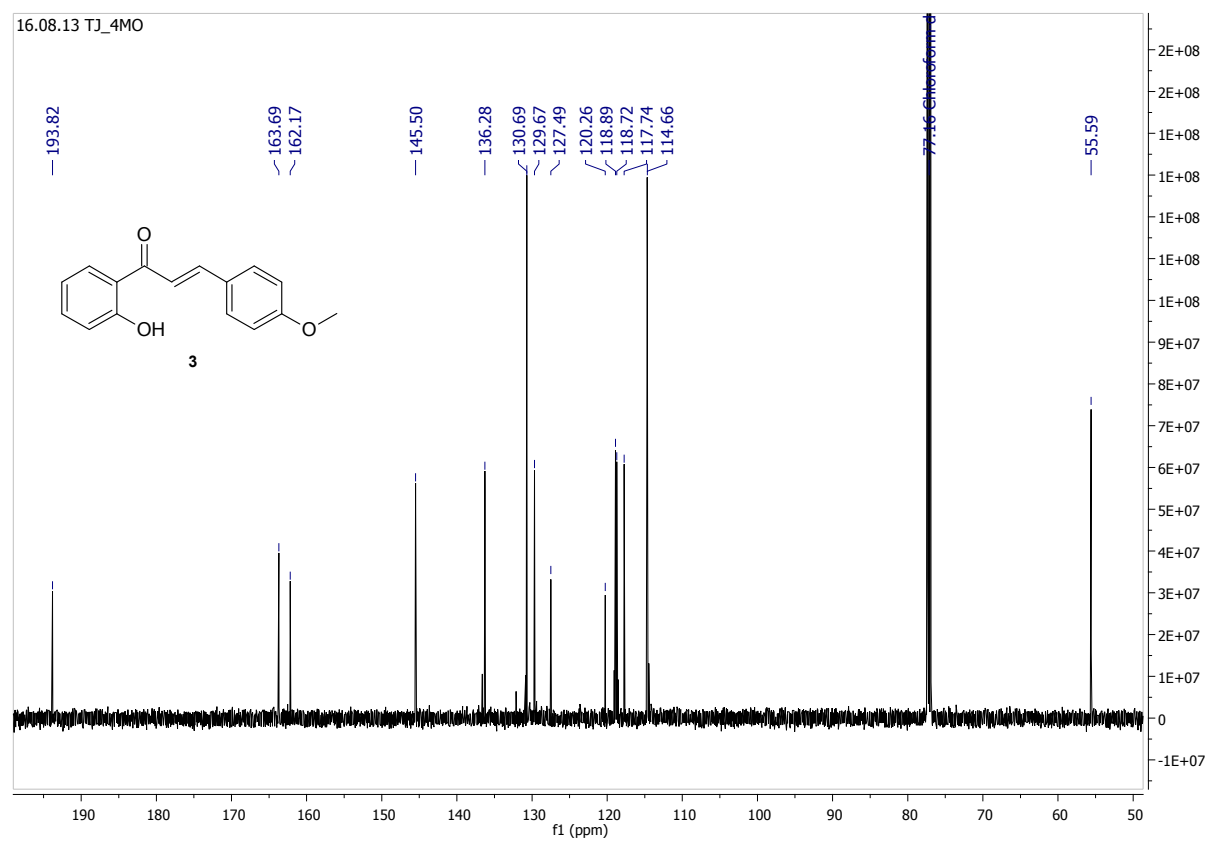


Figure S12. ^{13}C NMR spectral of 2'-hydroxy-4''-methoxychalcone (3) (CDCl_3 , 151 MHz).

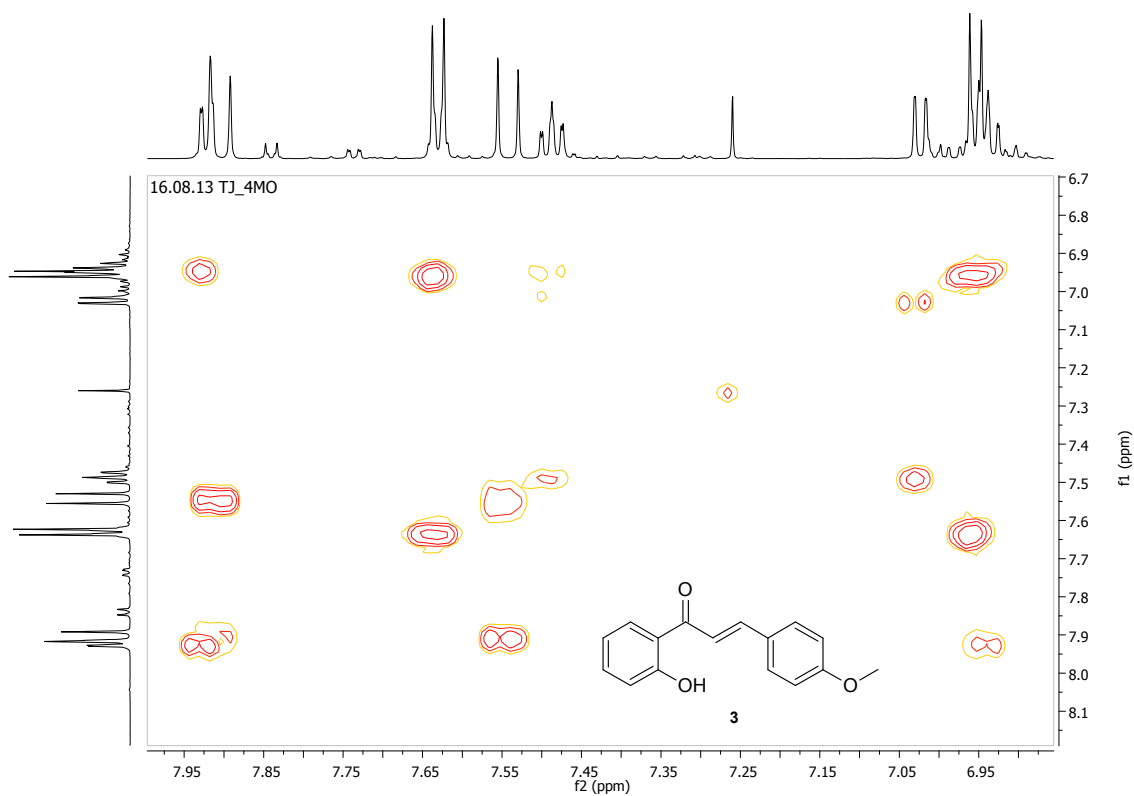


Figure S13. COSY spectral of 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl₃, 151 MHz).

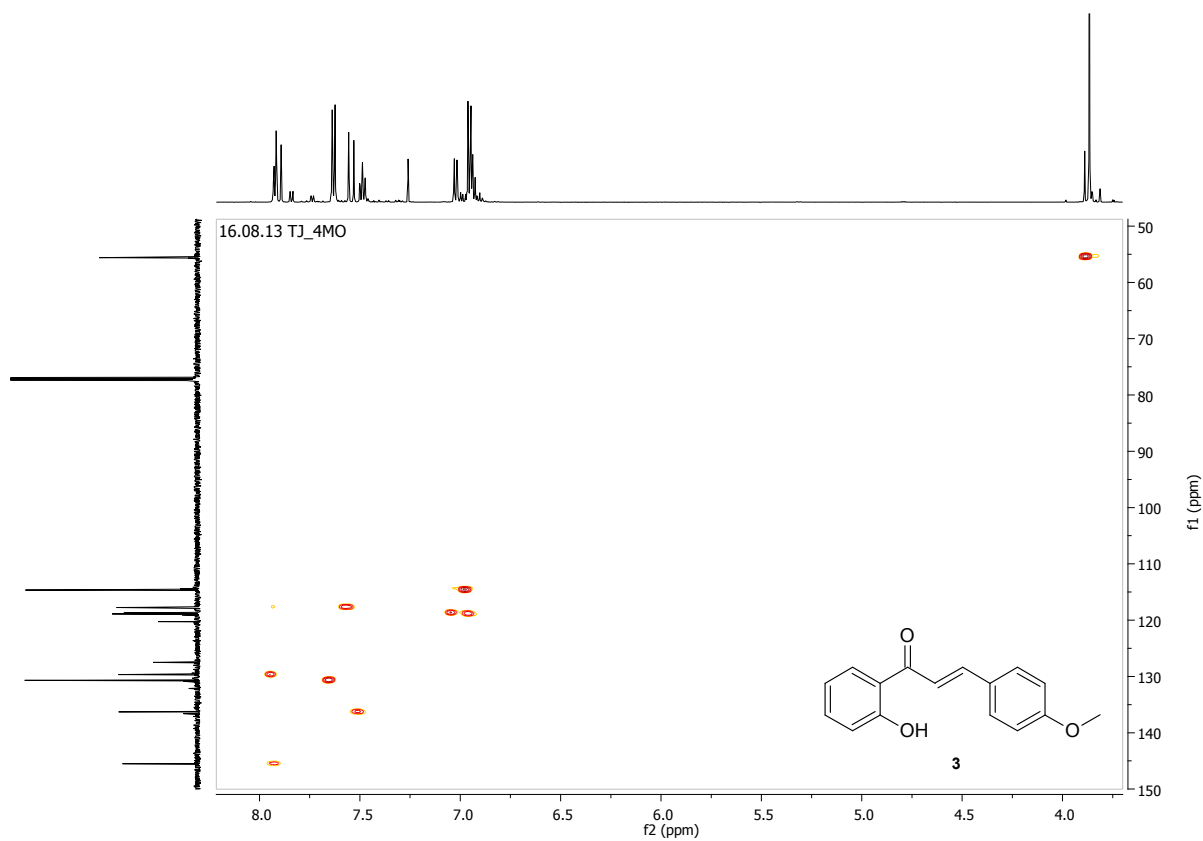


Figure S14. HSQC spectral of 2'-hydroxy-4''-methoxychalcone (**3**) (CDCl₃, 151 MHz).

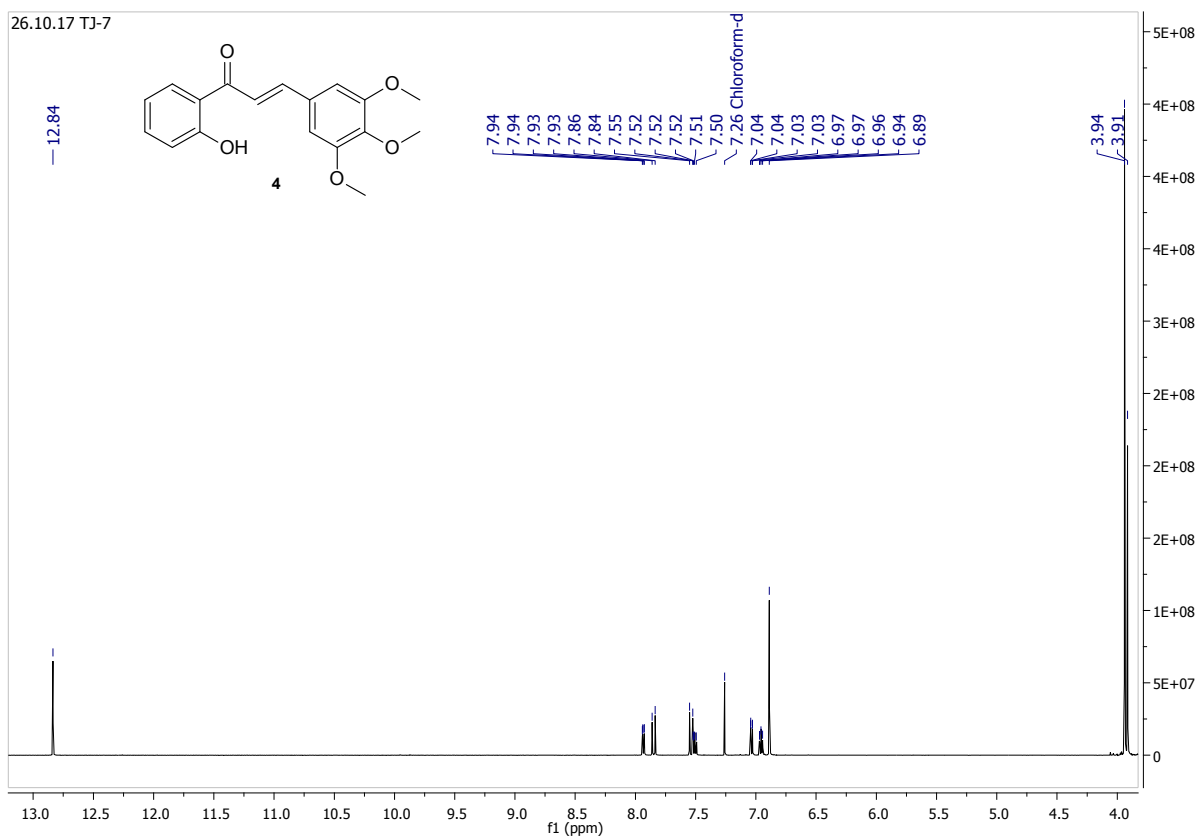


Figure S15. ^1H NMR spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (4) (CDCl_3 , 600 MHz).

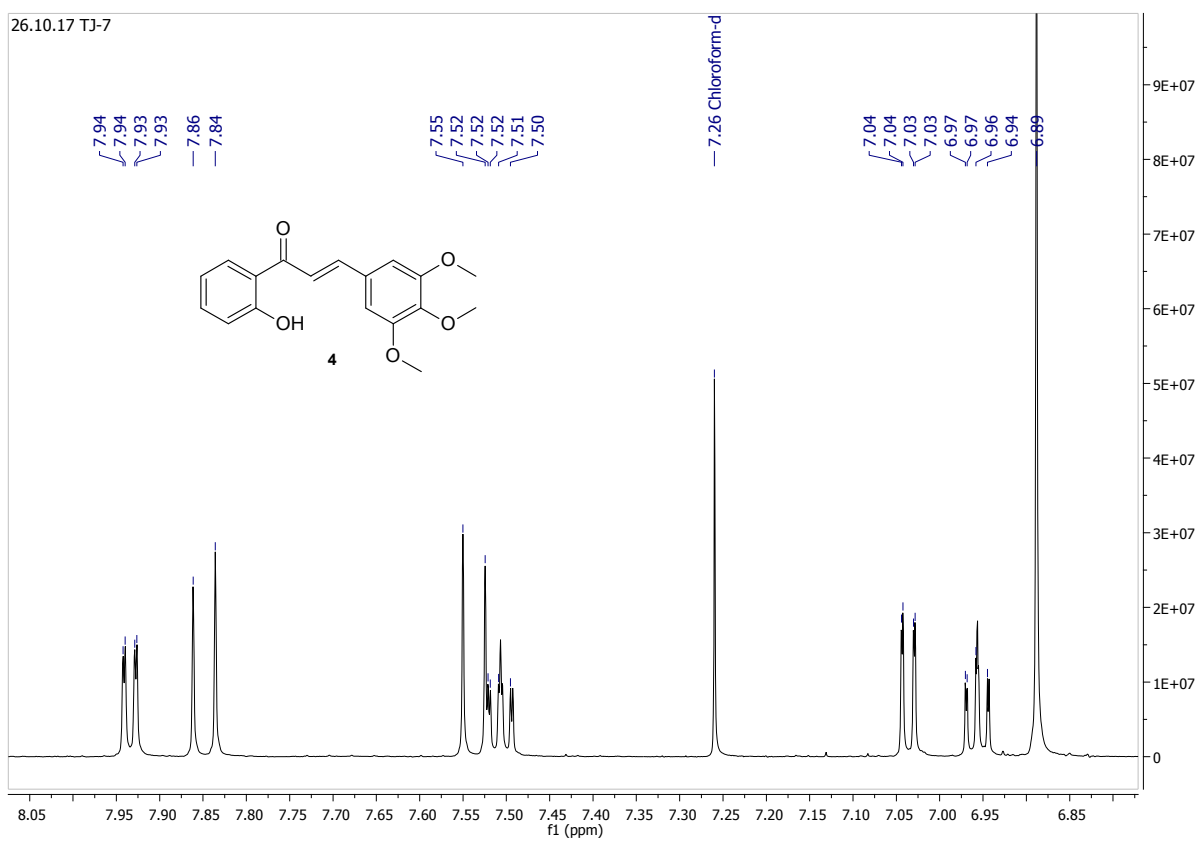


Figure S16. Part of the ^1H NMR spectral 2'-hydroxy-3'',4'',5''-trimethoxychalcone (4) (CDCl_3 , 600 MHz).

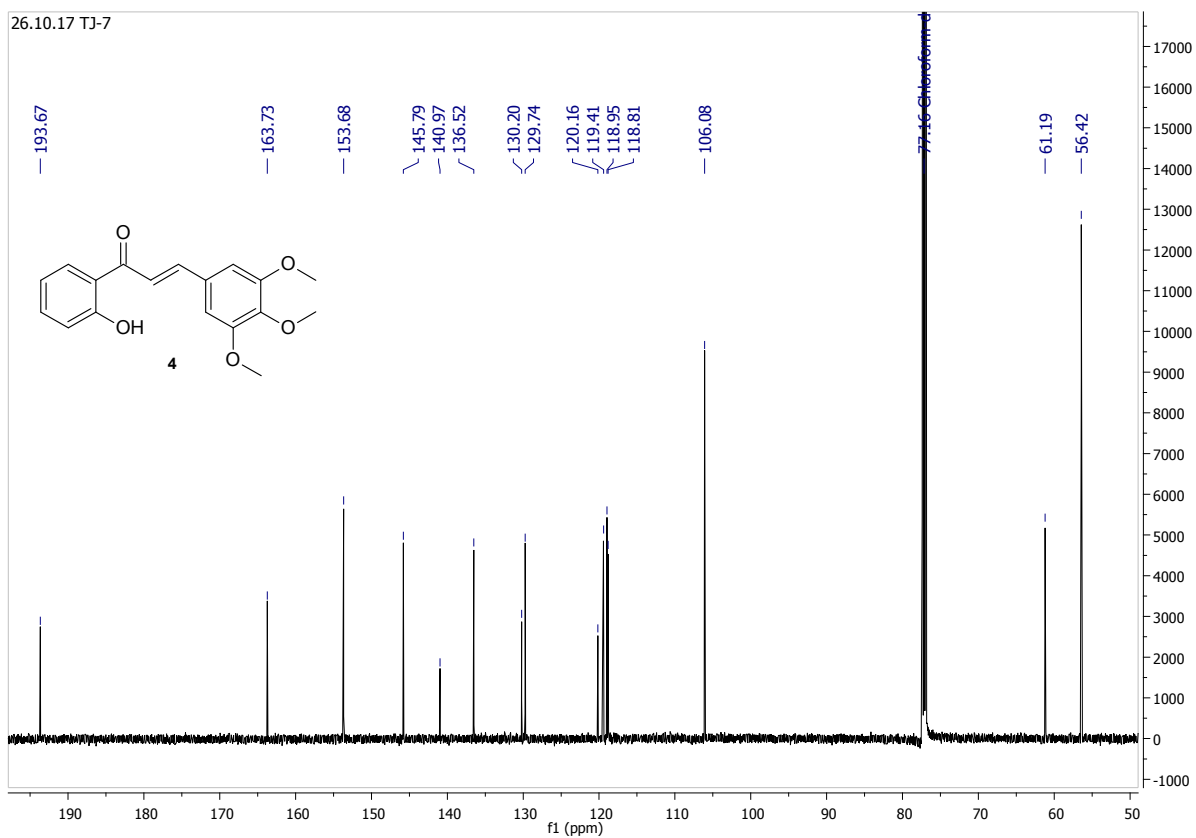


Figure S17. ¹³C NMR spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (4) (CDCl₃, 151 MHz).

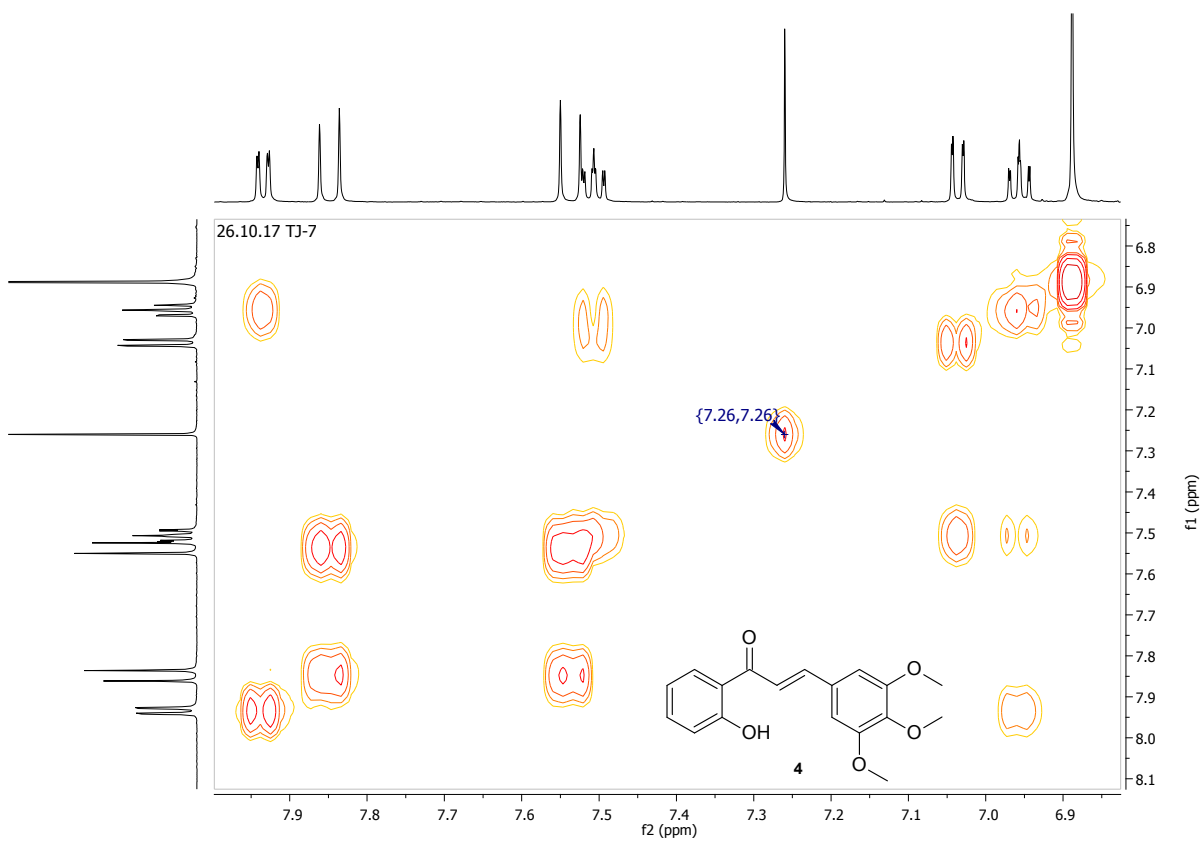


Figure S18. COSY spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (4) (CDCl₃, 151 MHz).

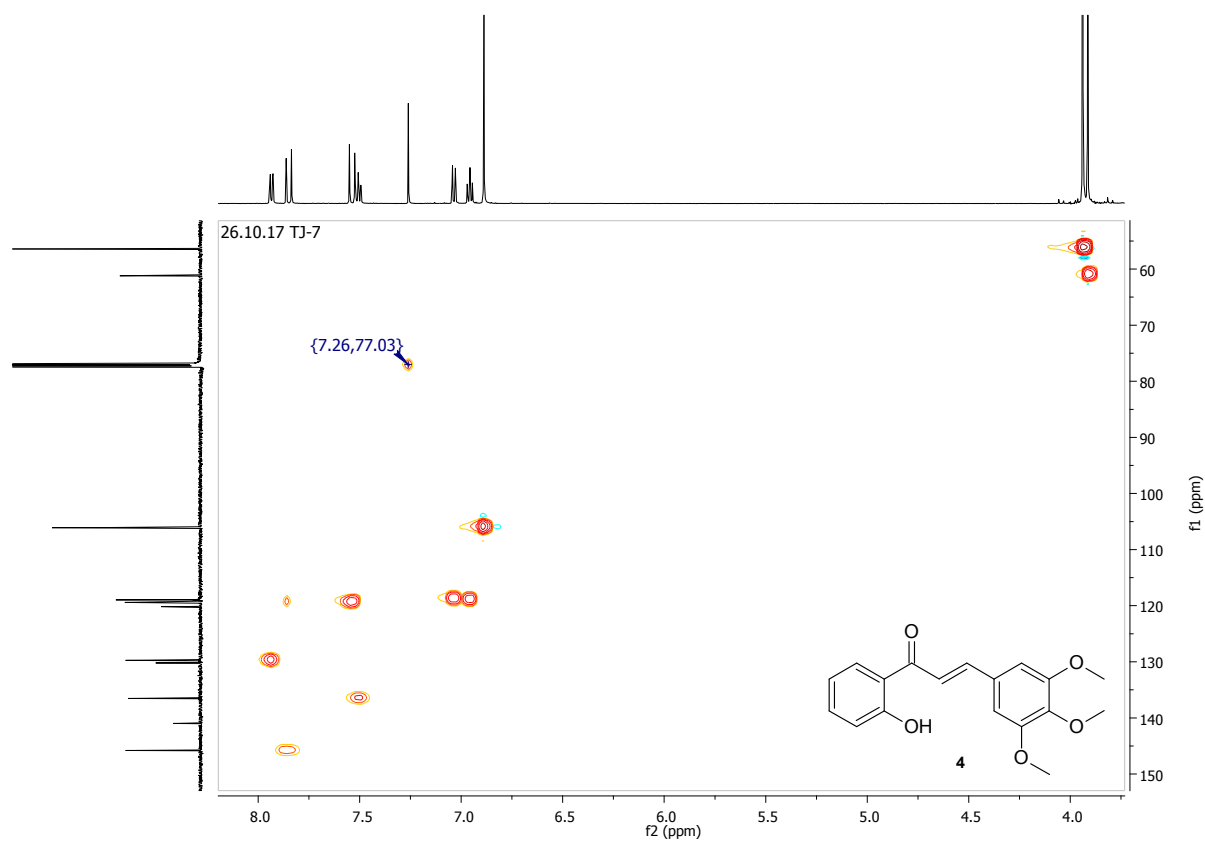


Figure S19. HSQC spectral of 2'-hydroxy-3'',4'',5''-trimethoxychalcone (4) (CDCl₃, 151 MHz).

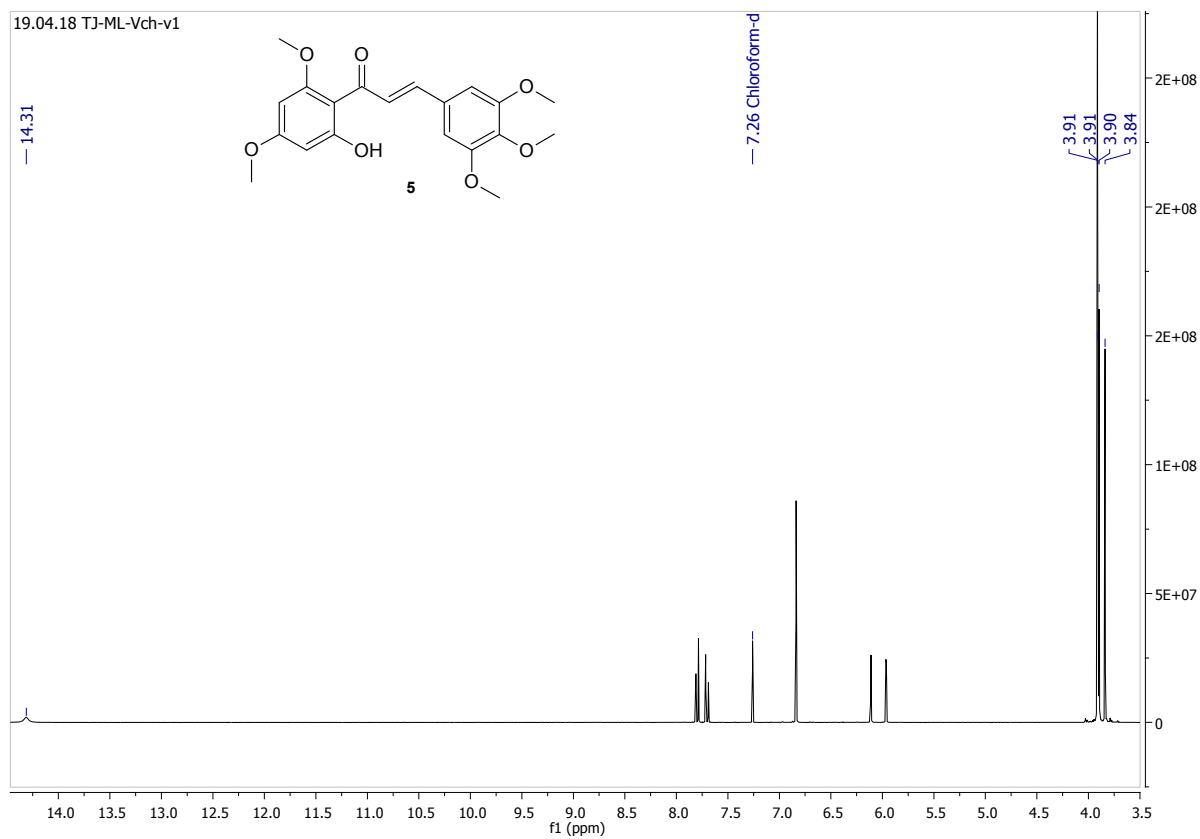


Figure S20. ¹H NMR spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (5) (CDCl₃, 600 MHz).

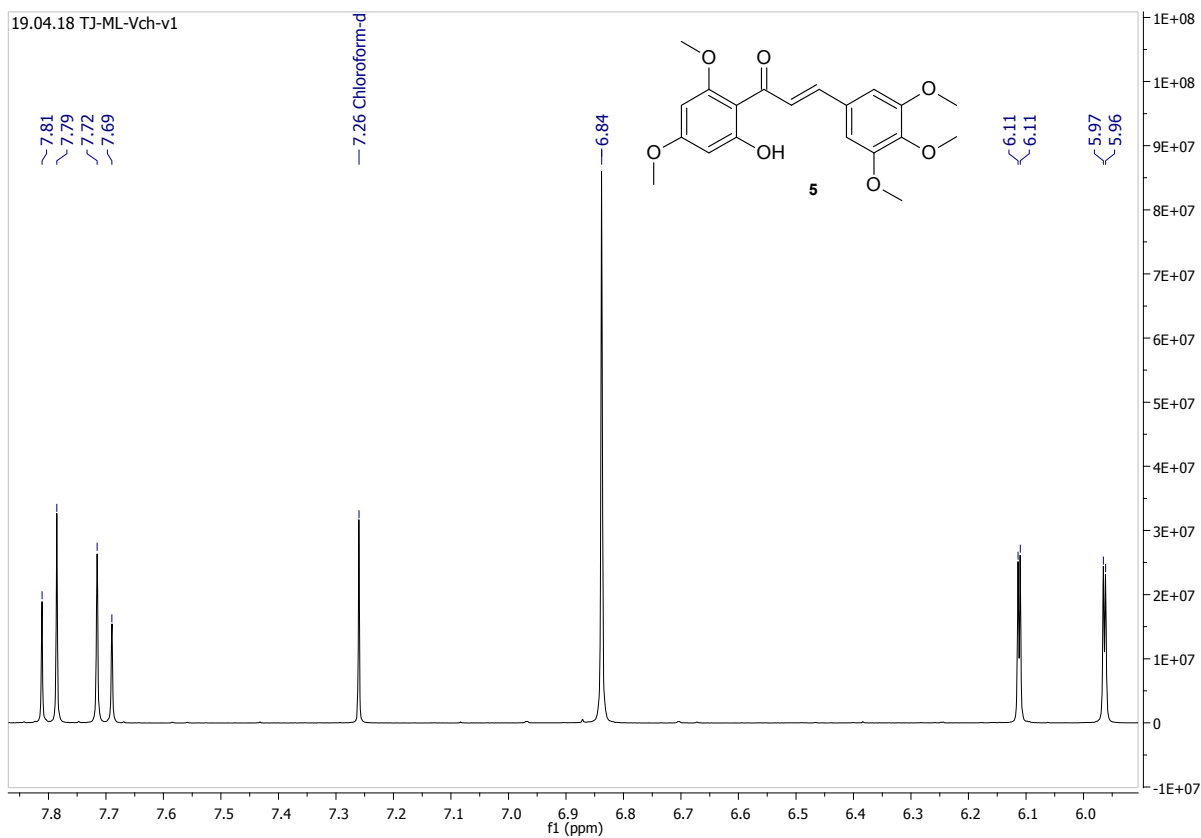


Figure S21. Part of the ^1H NMR spectral 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (5) (CDCl_3 , 600 MHz).

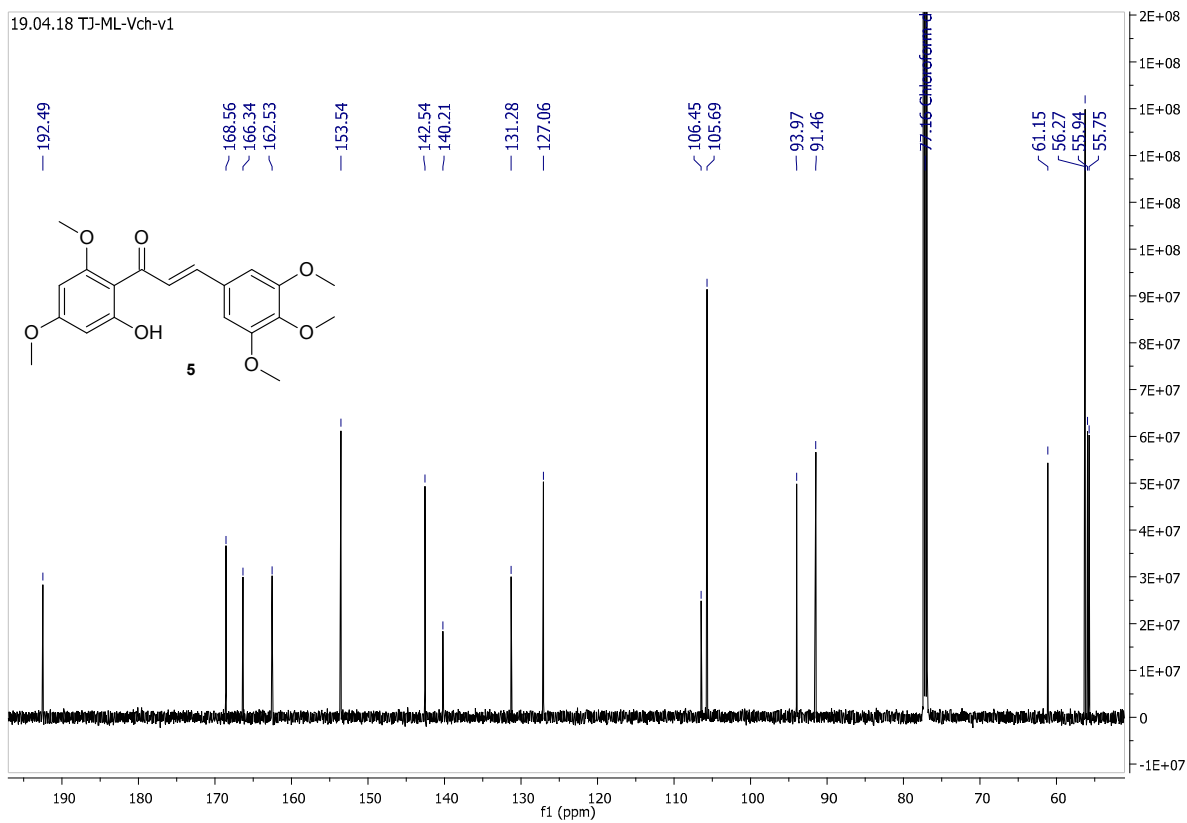


Figure S22. ^{13}C NMR spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (5) (CDCl_3 , 151 MHz).

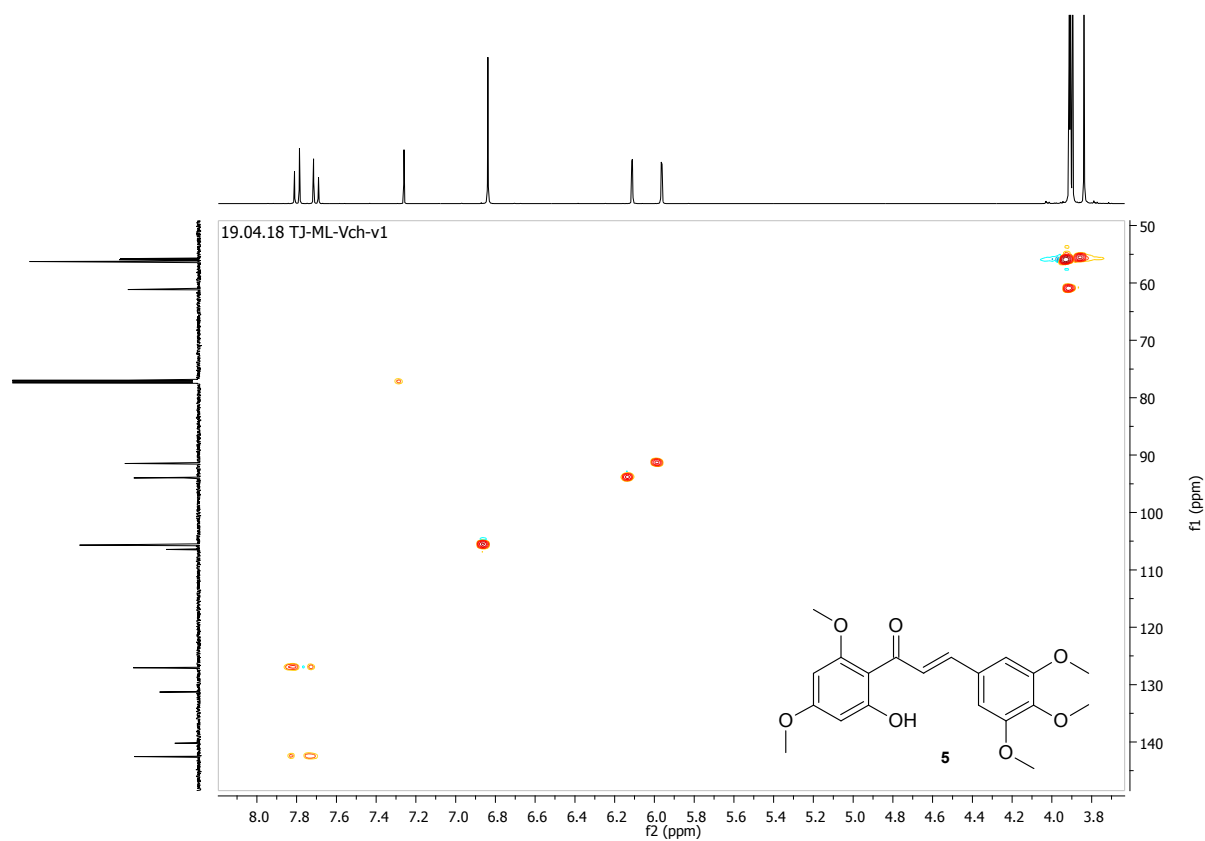


Figure S23. HSQC spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (5) (CDCl₃, 151 MHz).

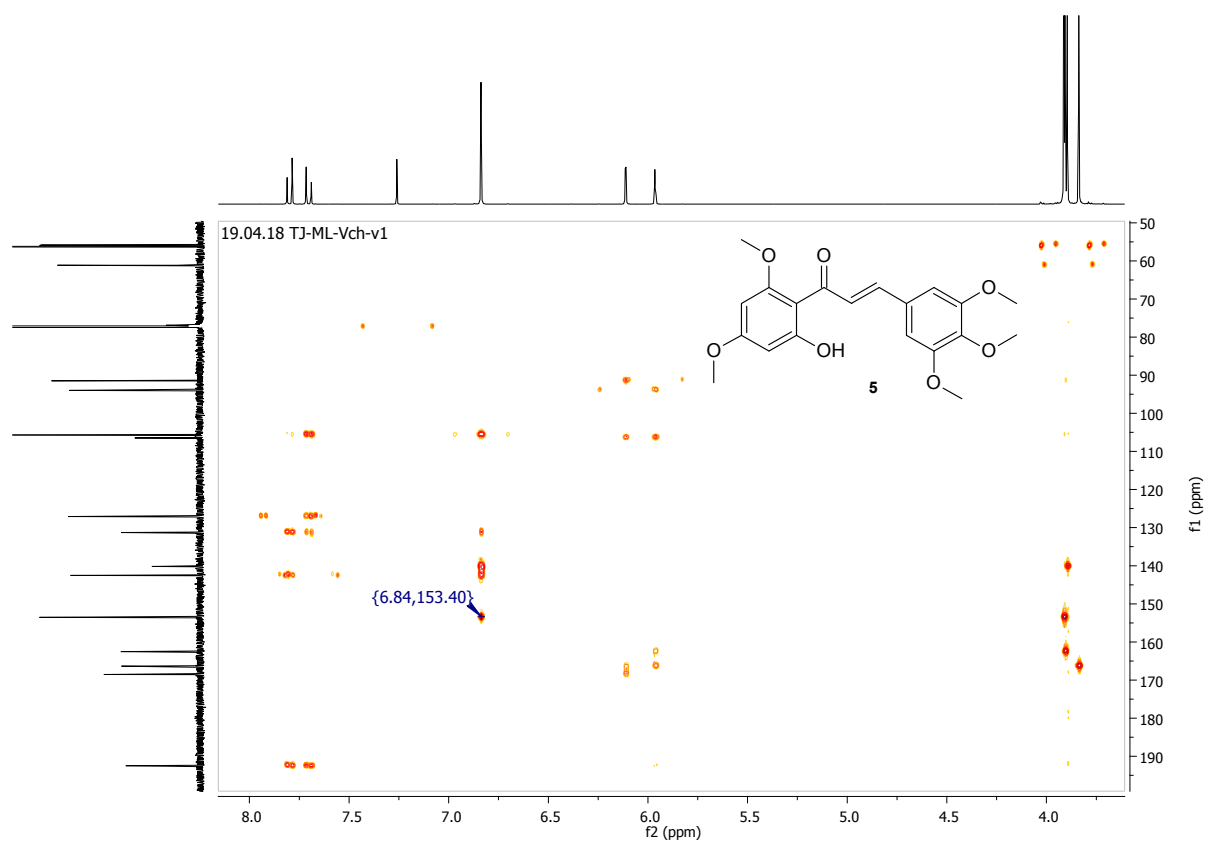


Figure S24. HMBC spectral of 2'-hydroxy-4',6',3'',4'',5''-pentamethoxychalcone (5) (CDCl₃, 151 MHz).

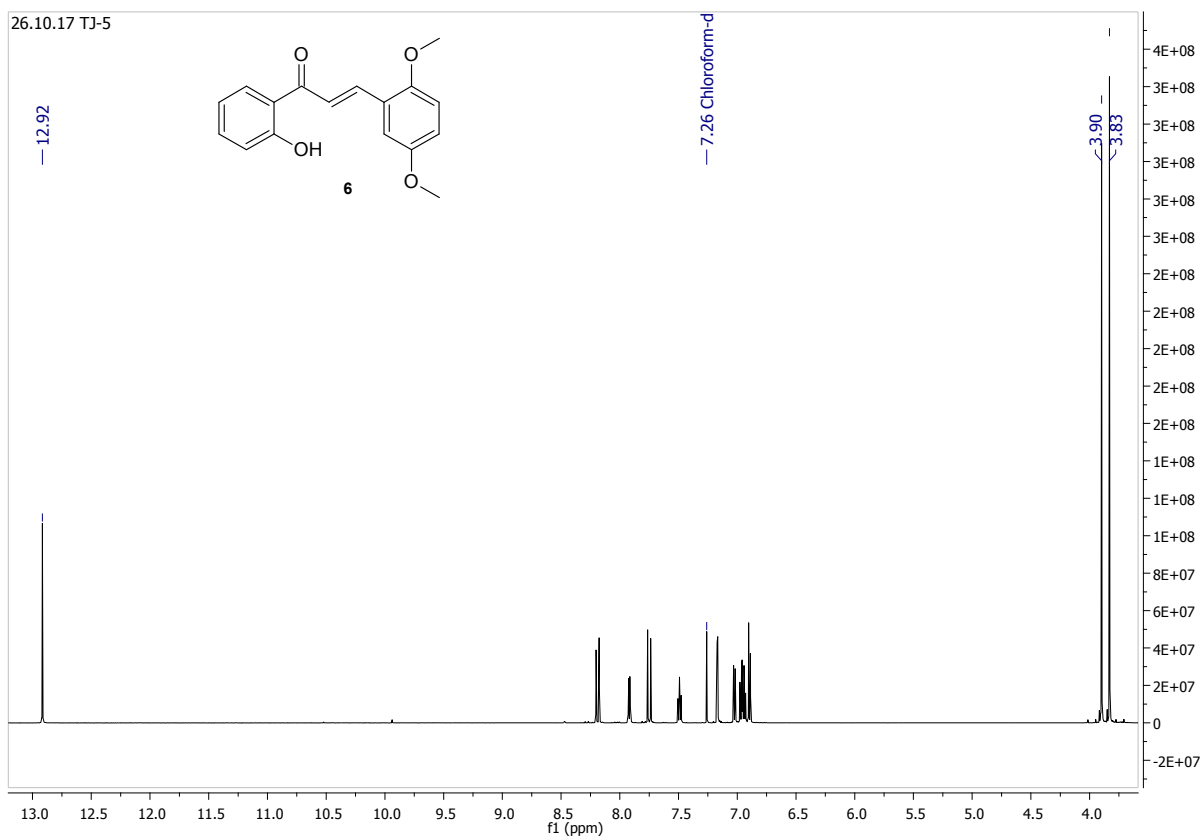


Figure S25. ^1H NMR spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (**6**) (CDCl_3 , 600 MHz).

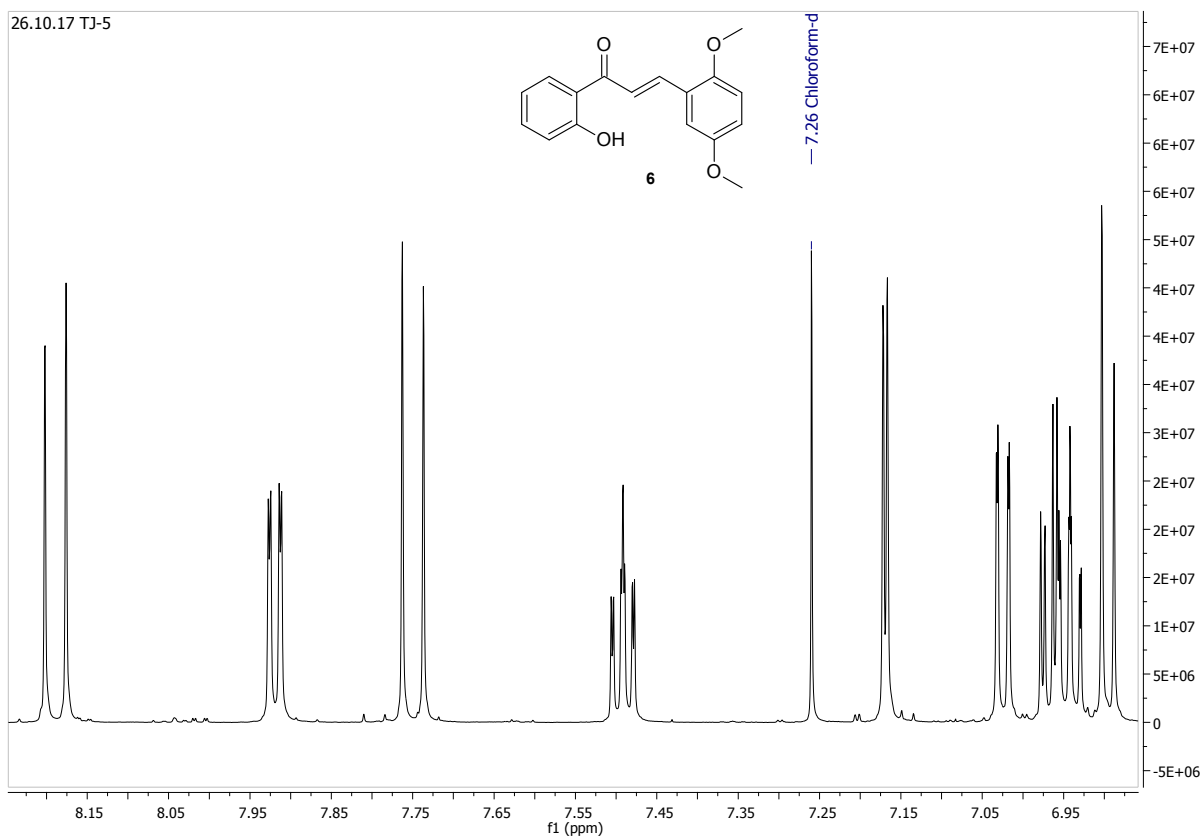


Figure S26. Part of the ^1H NMR spectral 2'-hydroxy-2'',5''-dimethoxychalcone (**6**) (CDCl_3 , 600 MHz).

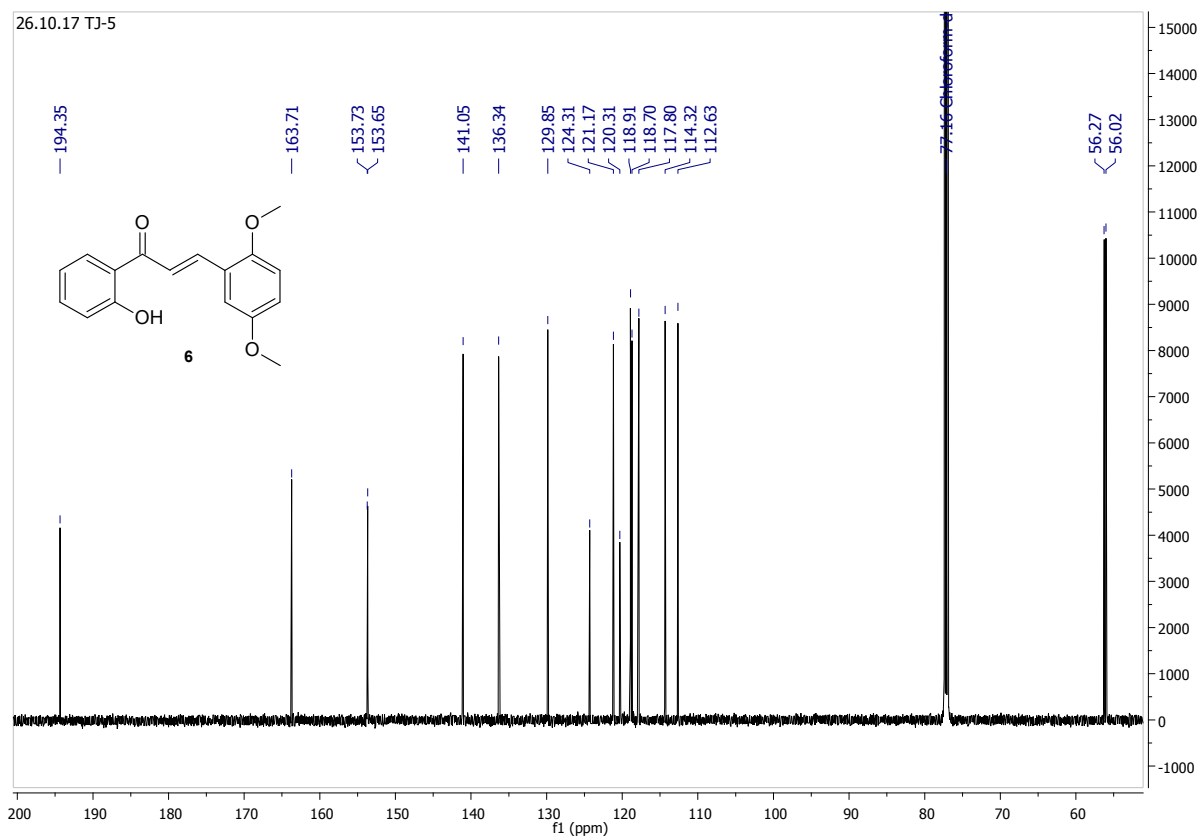


Figure S27. ¹³C NMR spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (6) (CDCl₃, 151 MHz).

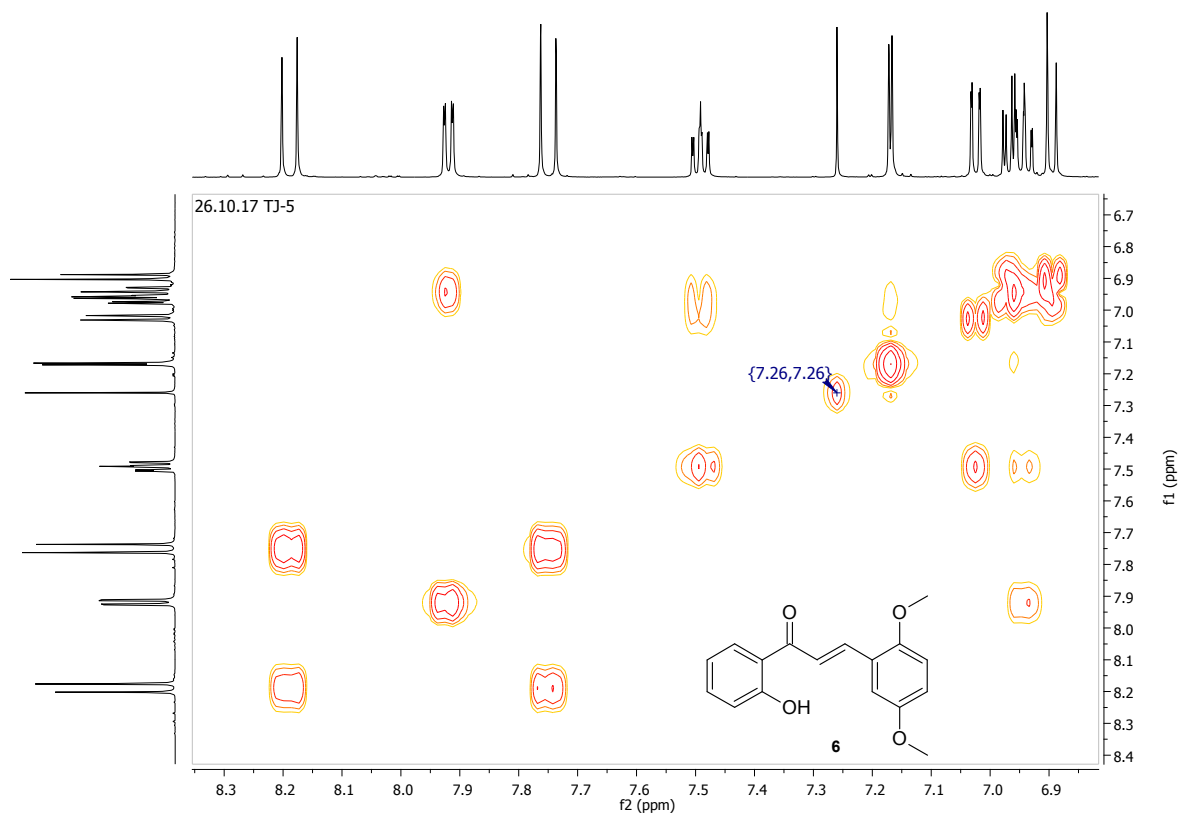


Figure S28. COSY spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (6) (CDCl₃, 151 MHz).

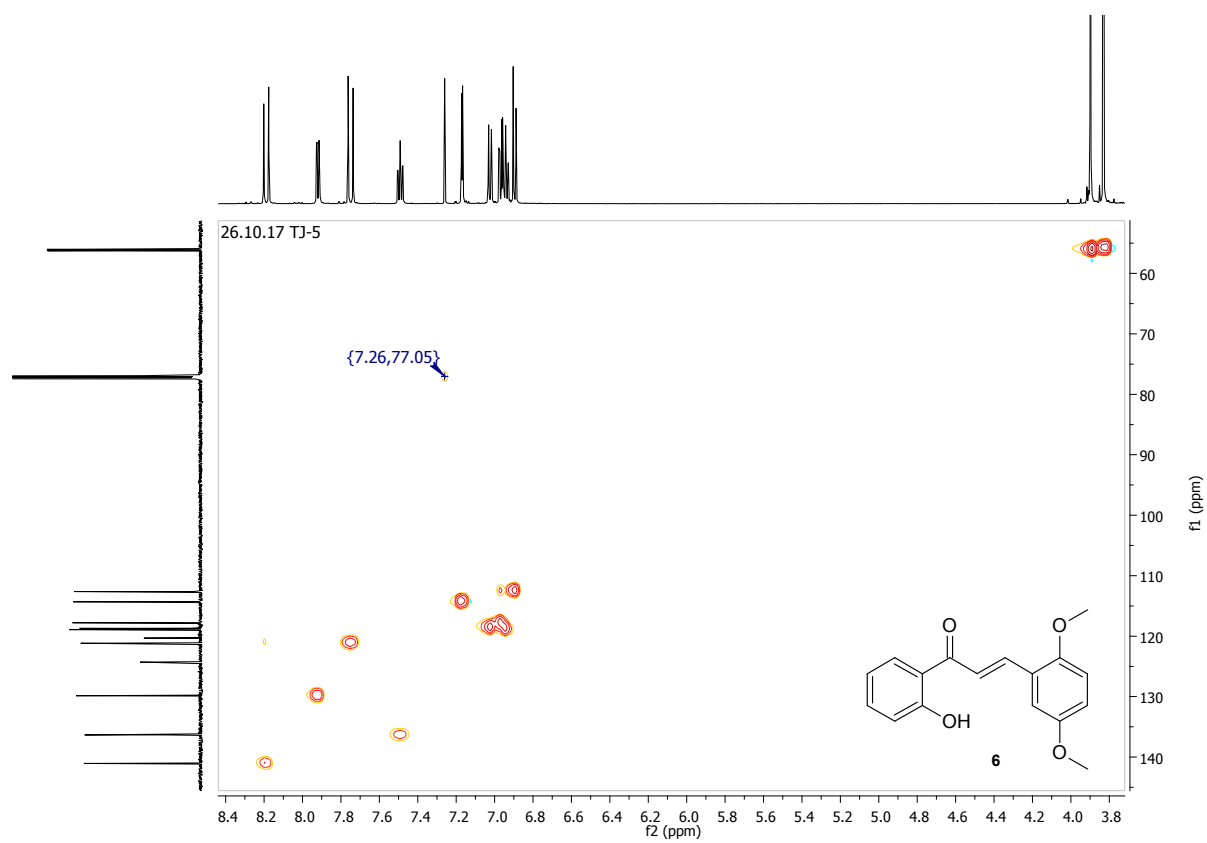


Figure S29. HSQC spectral of 2'-hydroxy-2'',5''-dimethoxychalcone (6) (CDCl₃, 151 MHz).