

Supplementary Materials : **(*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxy-phenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one and (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one**

Hery Suwito¹, Noorma Kurnyawaty², Ellyca Susetyo¹, Yuzkiya Azizah¹, Kautsar Ul Haq¹, Alfinda Novi Kristanti¹, Indriani Indriani³

¹ Department of Chemistry, Faculty of Science and Technology, Airlangga University, Surabaya- 60115, Indonesia

² Department of Chemical Technology, State Polytechnic of Samarinda, Samarinda-75131, Indonesia

³ Department of Chemistry, Tadulako University, Palu-94118, Indonesia.

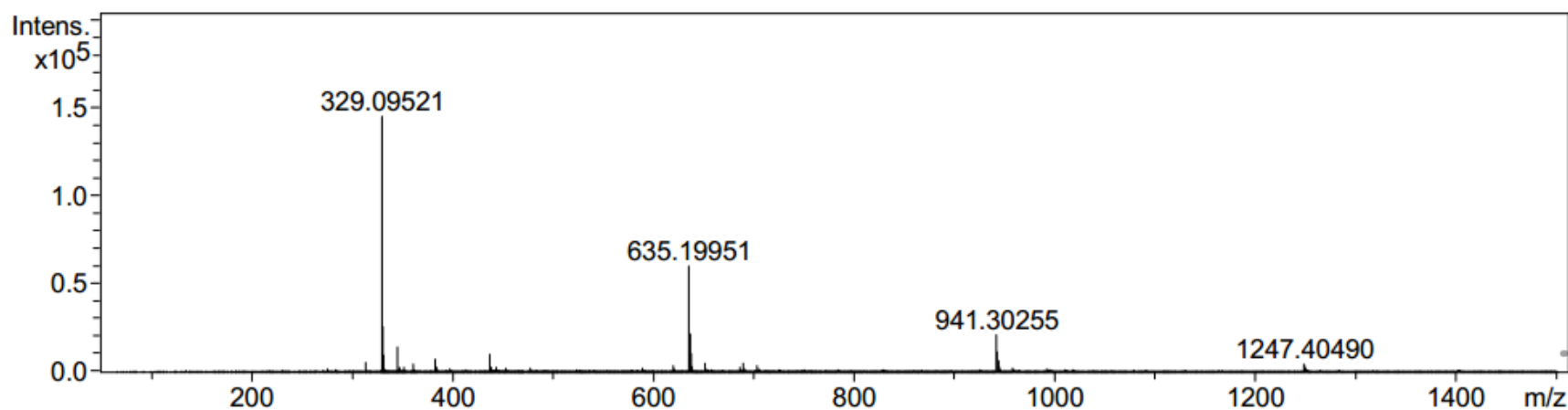


Figure S1. HRMS (ESI) spectra of 1-(4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl)ethan-1-one (compound 4)

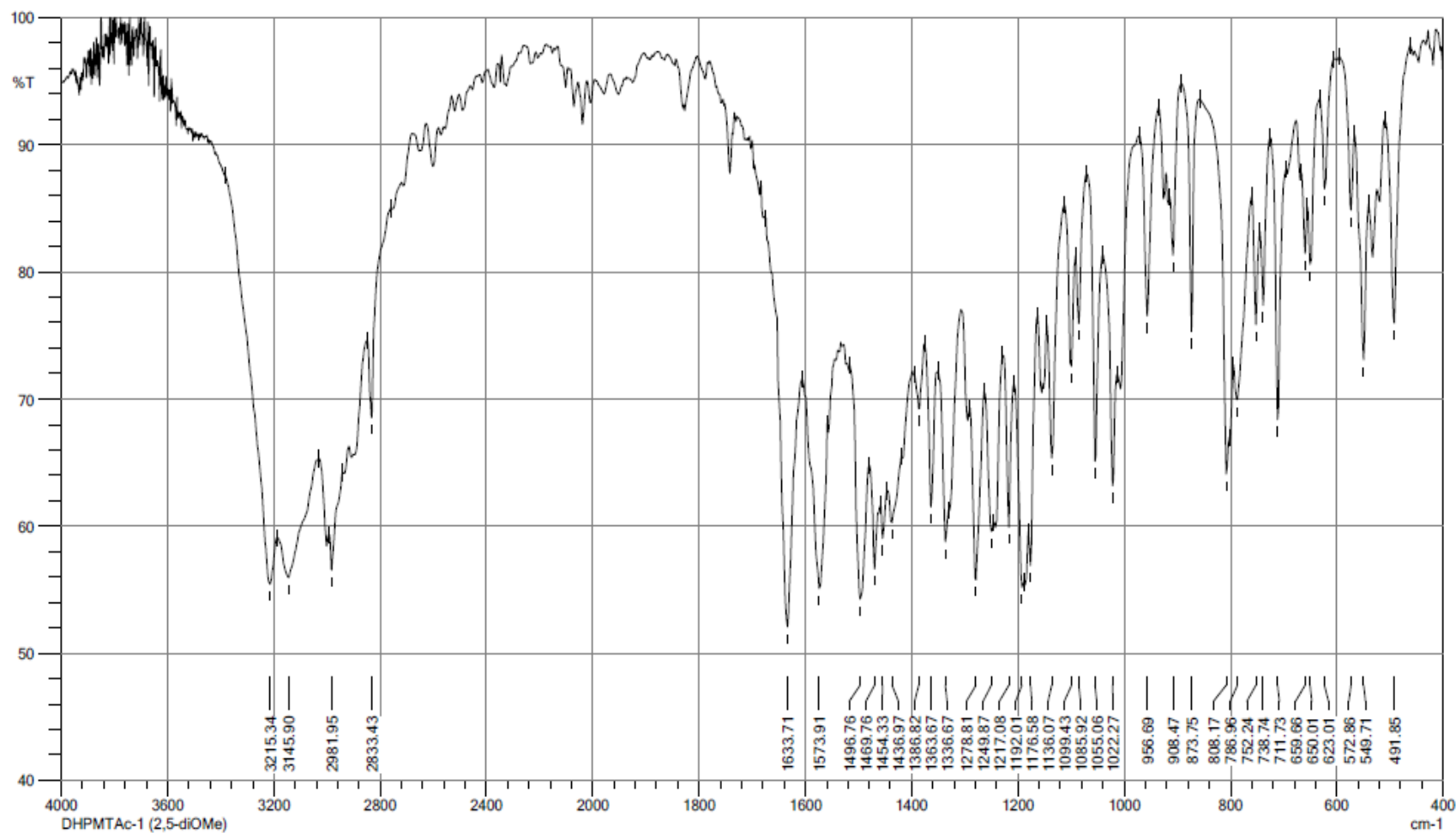


Figure S2. FTIR (DRIFT) spectra of 1-(4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl)ethan-1-one

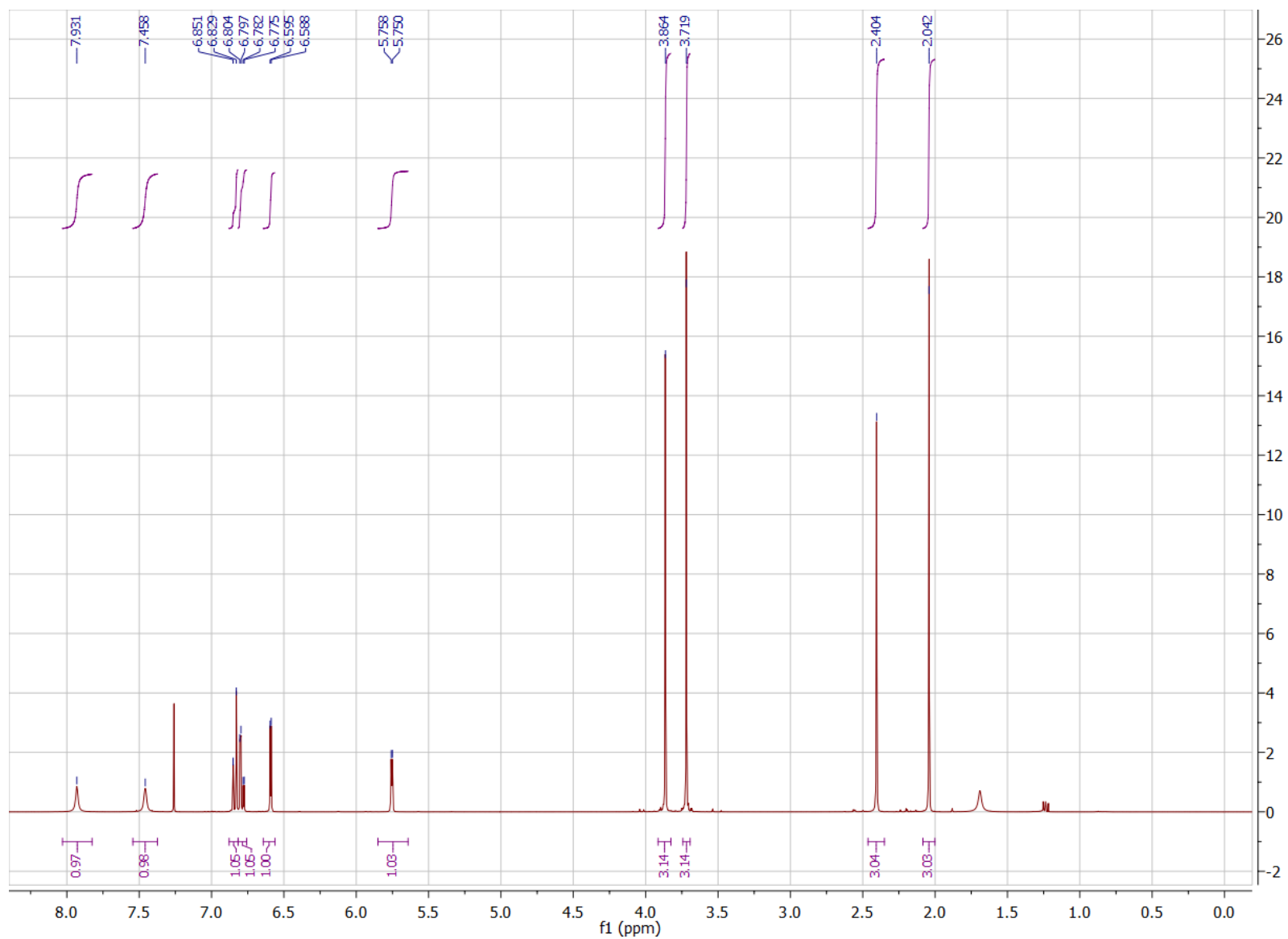


Figure S3. ^1H -NMR spectra of 1-(4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl)ethan-1-one

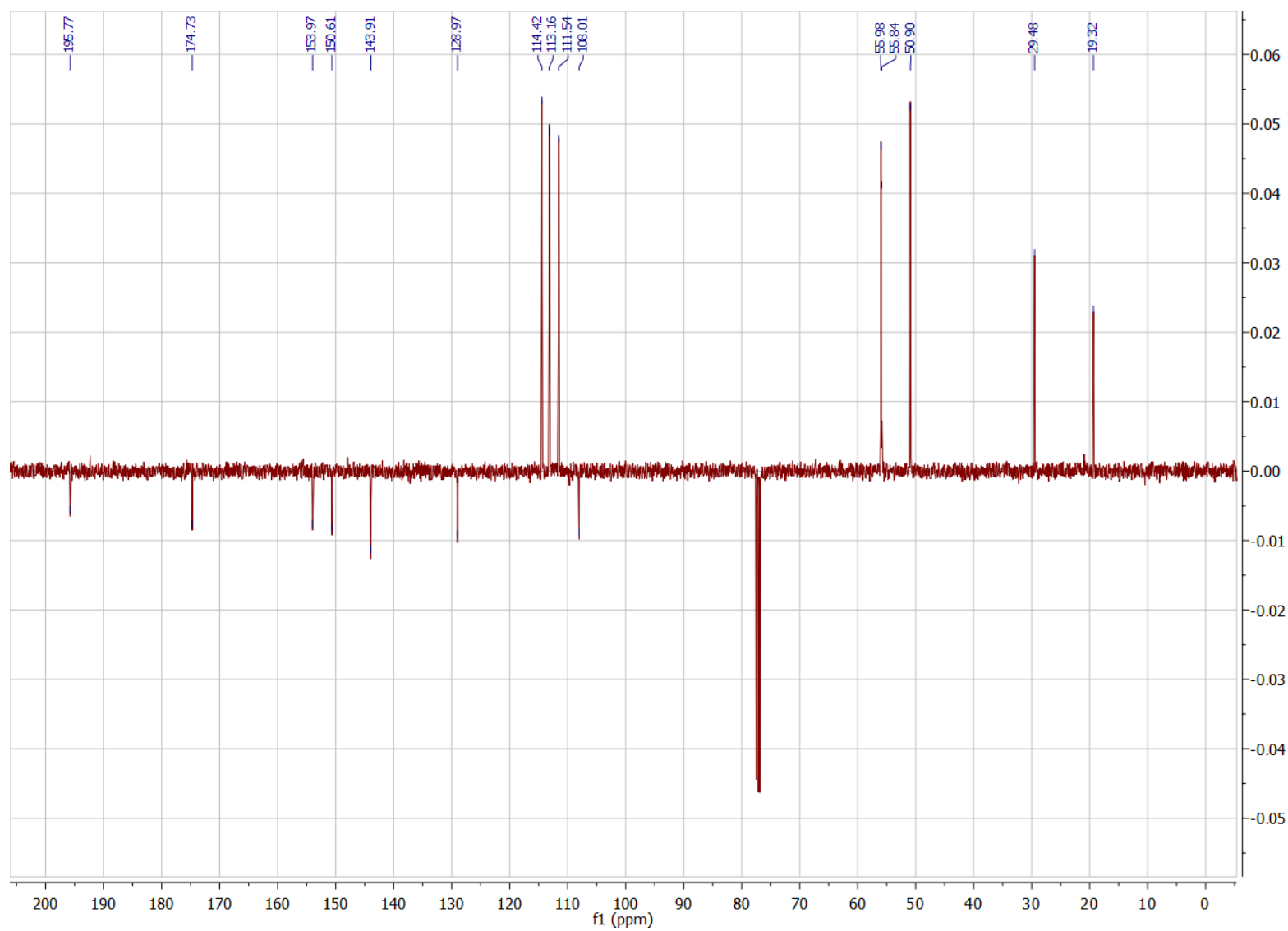


Figure S4. ^{13}C -NMR (APT) spectra of 1-(4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl)ethan-1-one

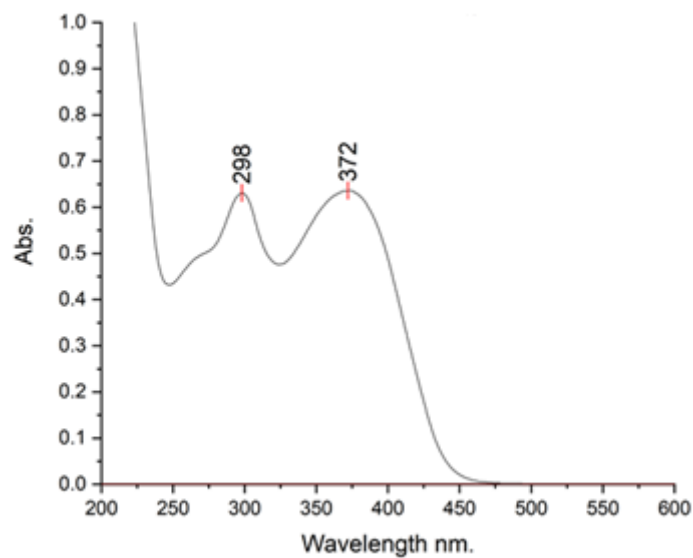


Figure S5. UV-Vis spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 5)

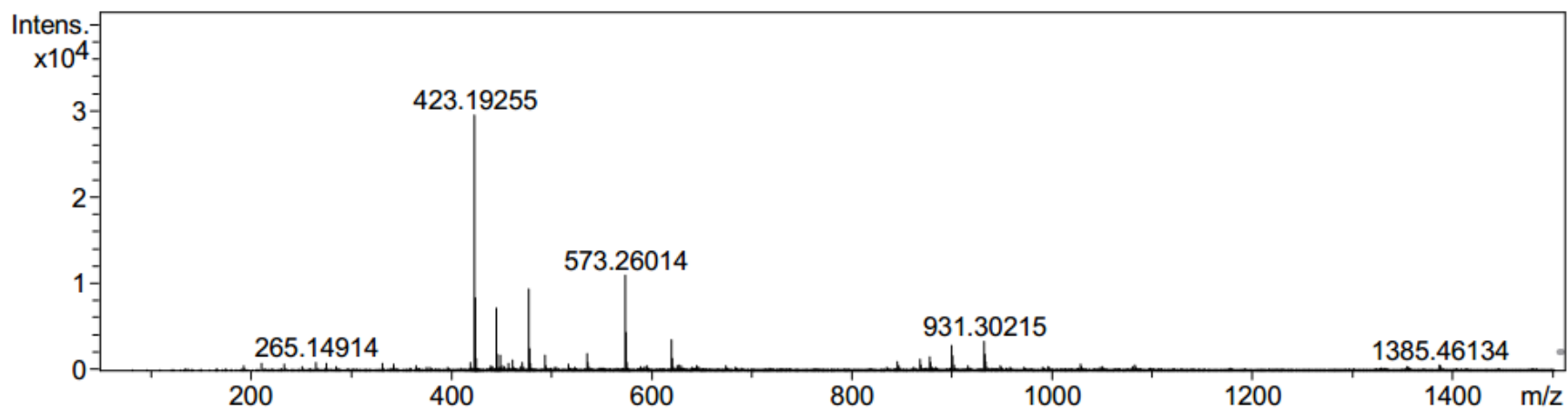


Figure S6. HRMS (ESI) spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 5)

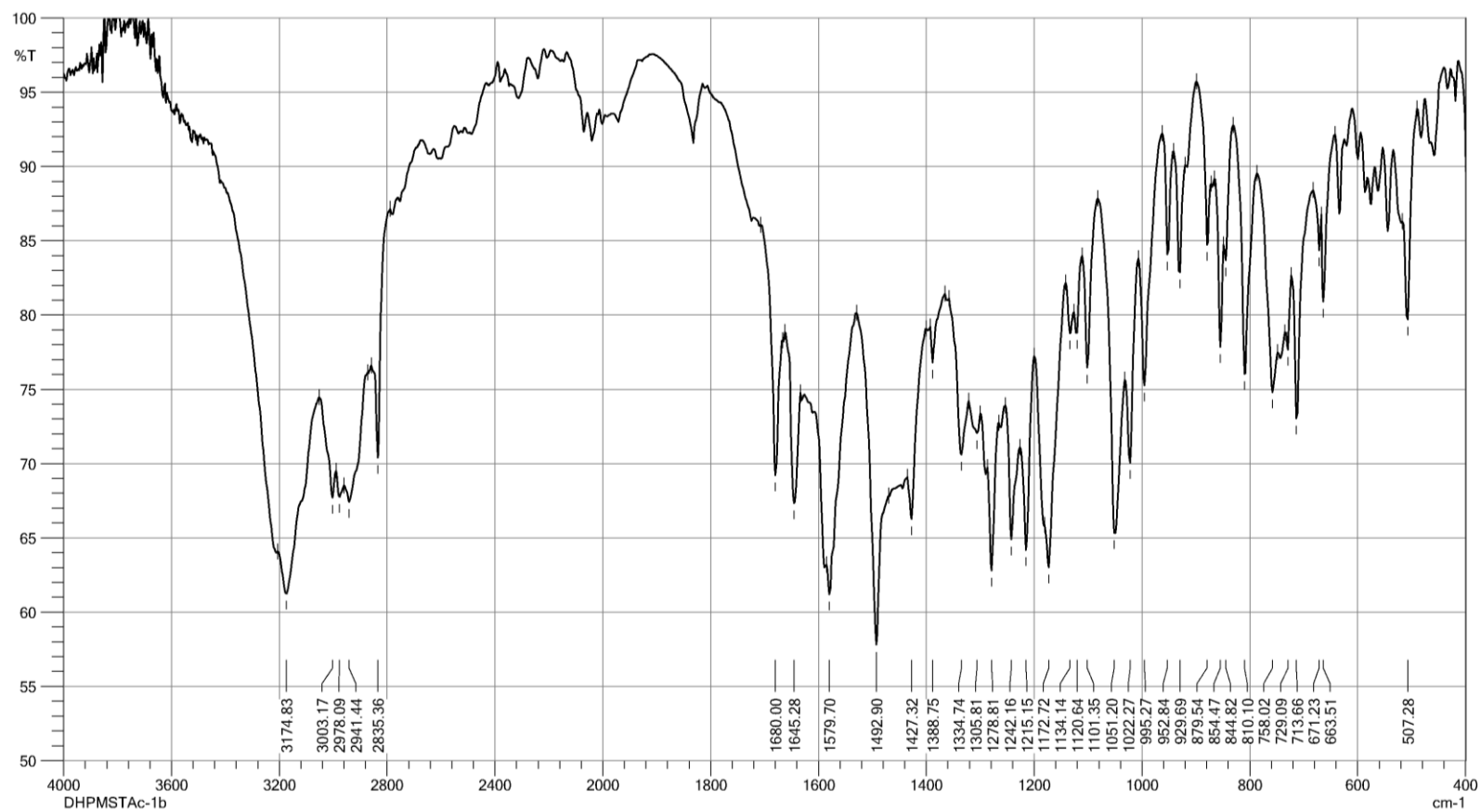


Figure S7. FTIR (DRIFT) spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 5)

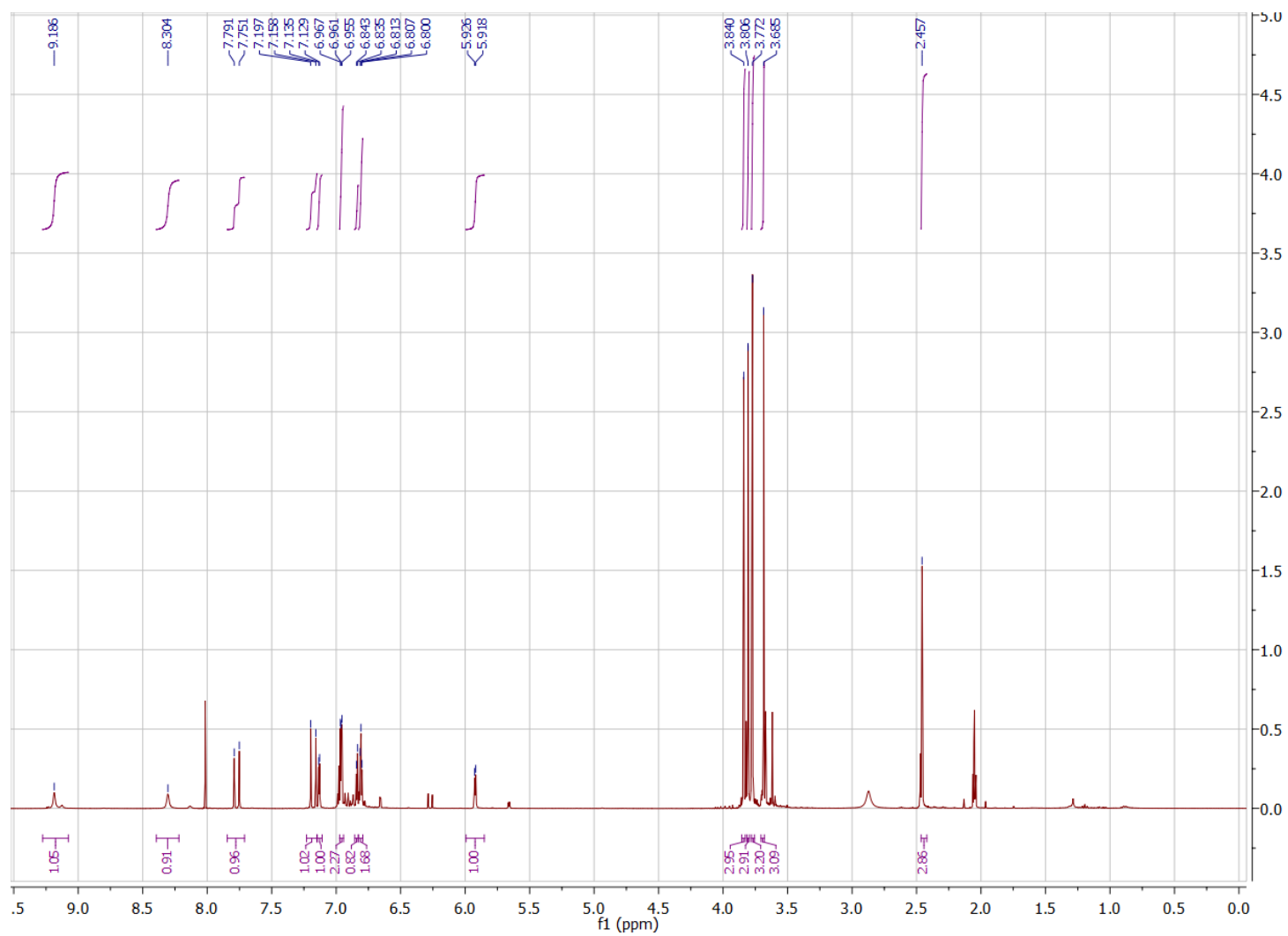


Figure S8. ^1H -NMR spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 5)

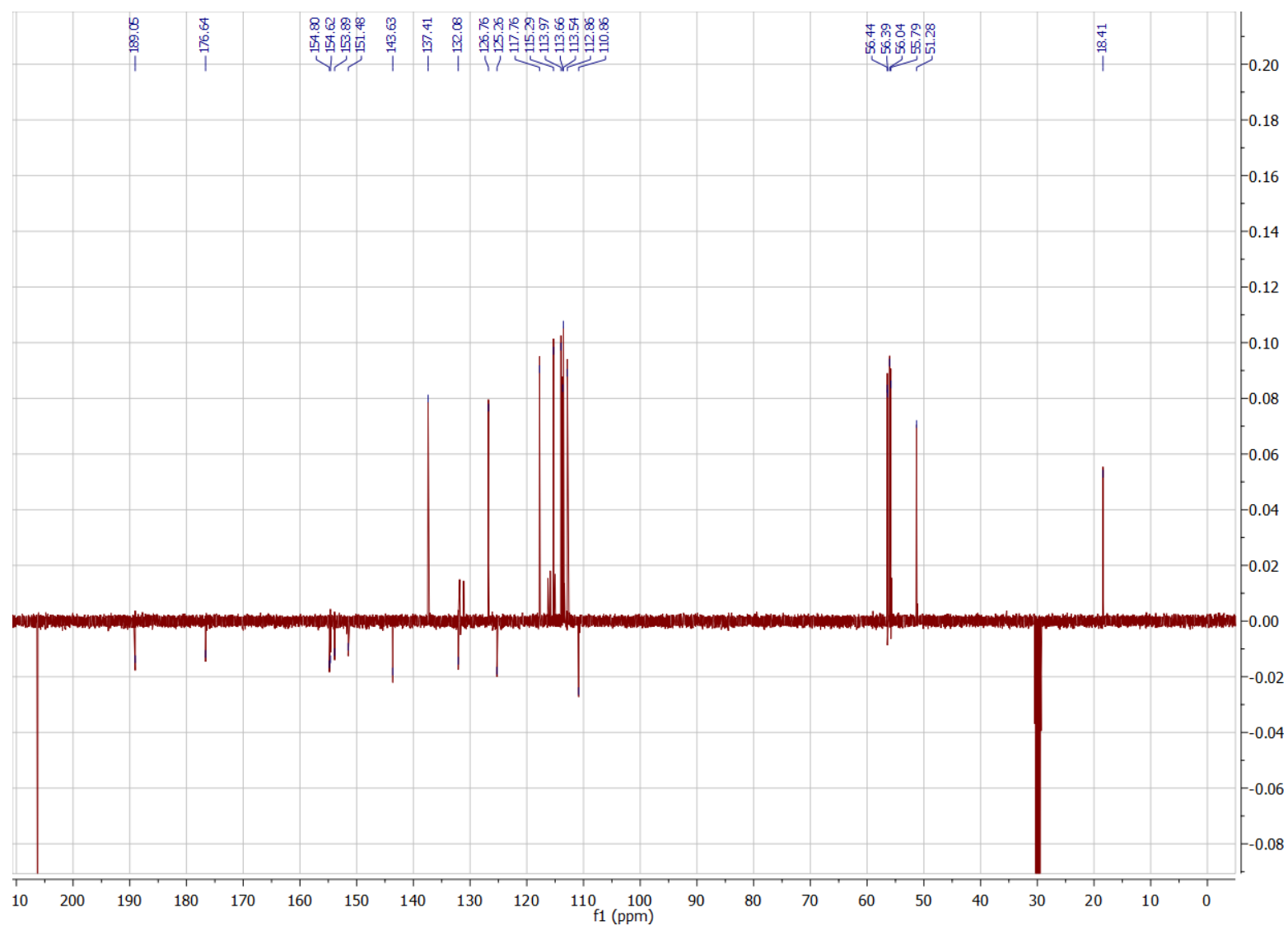


Figure S9. ^{13}C -NMR (APT) of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 5)

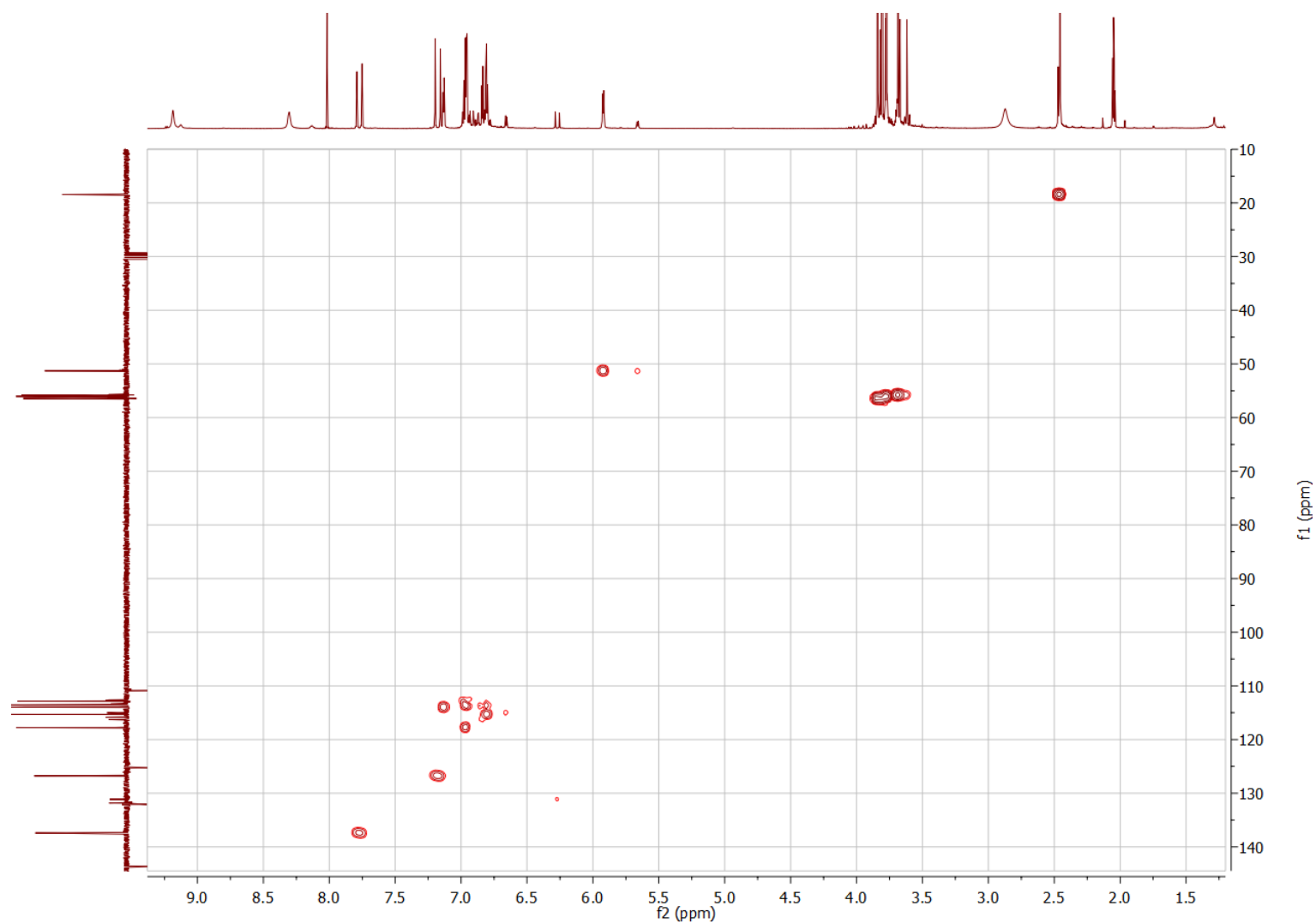


Figure S10. HMQC spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 5)

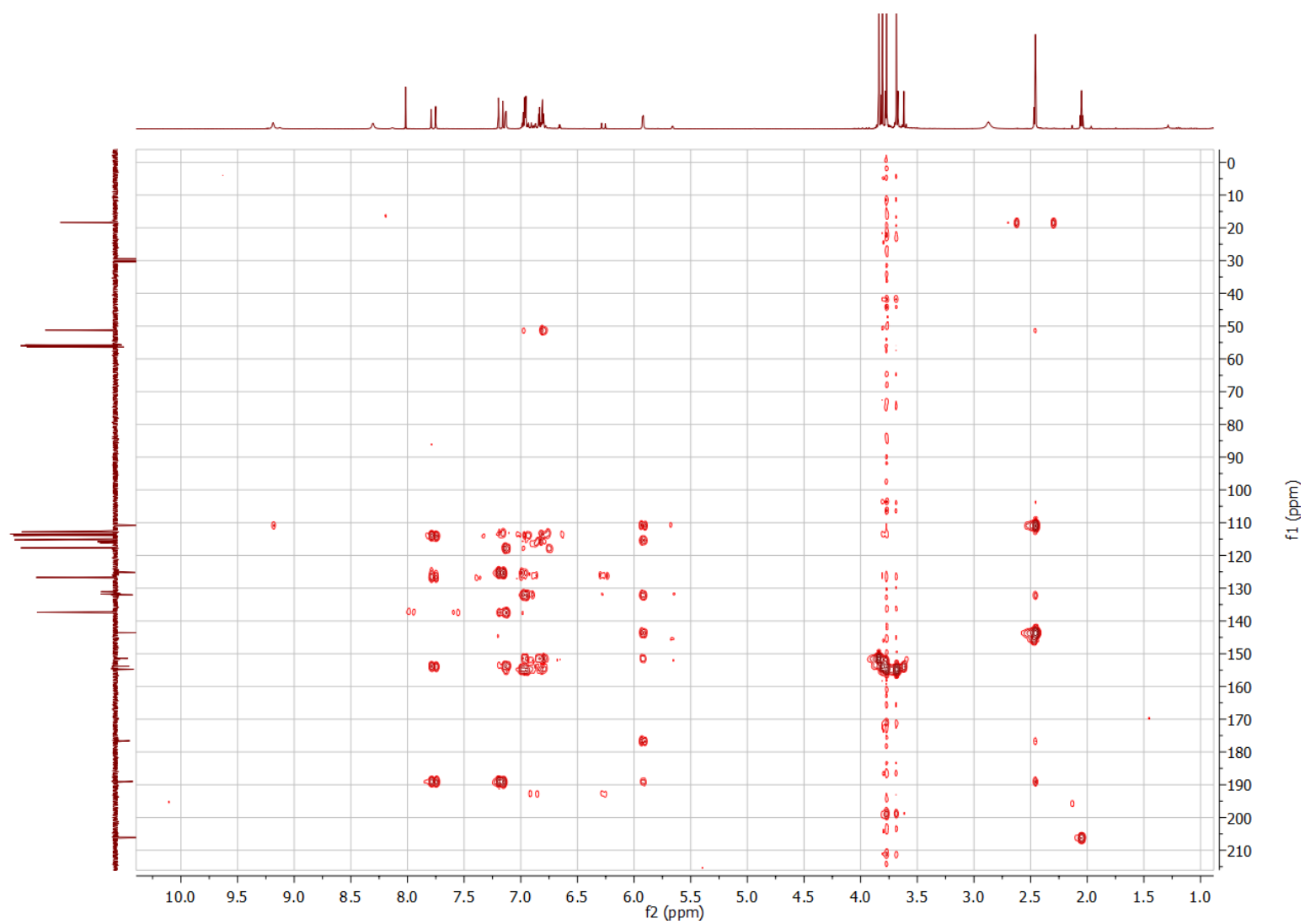


Figure S11. HMBC spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 5)

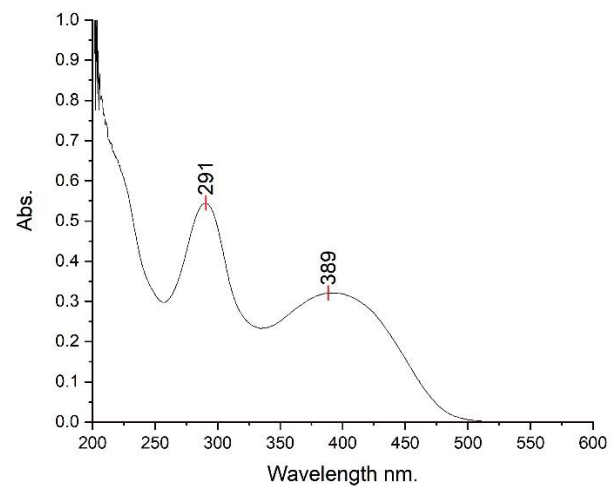


Figure **S12**. UV-Vis spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[[4-(2,5-dimethoxyphenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound **6**)

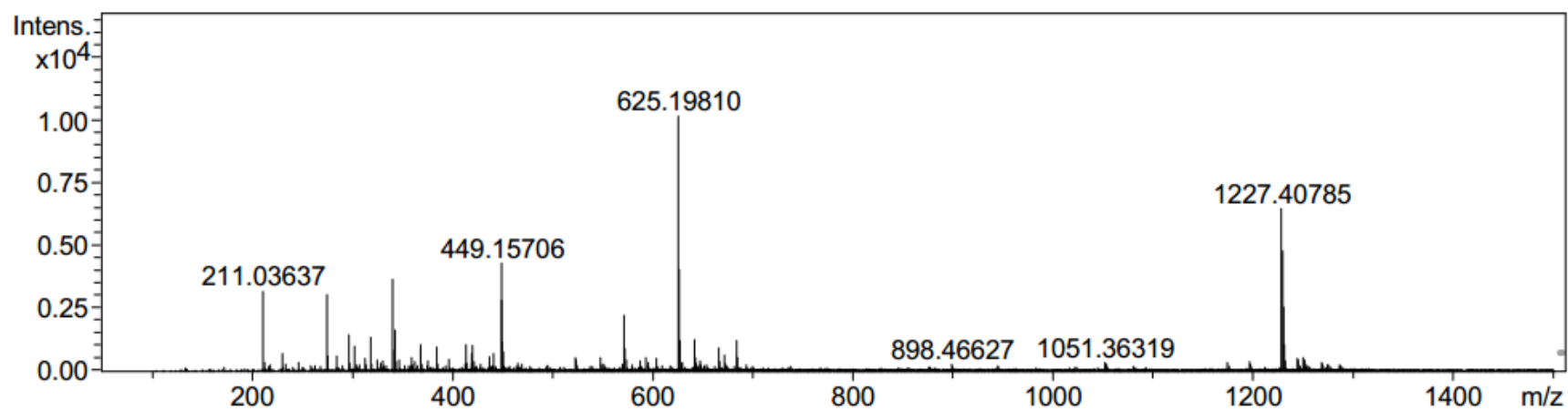


Figure S13. HRMS (ESI) spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[[4-(2,5-dimethoxyphenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound **6**)

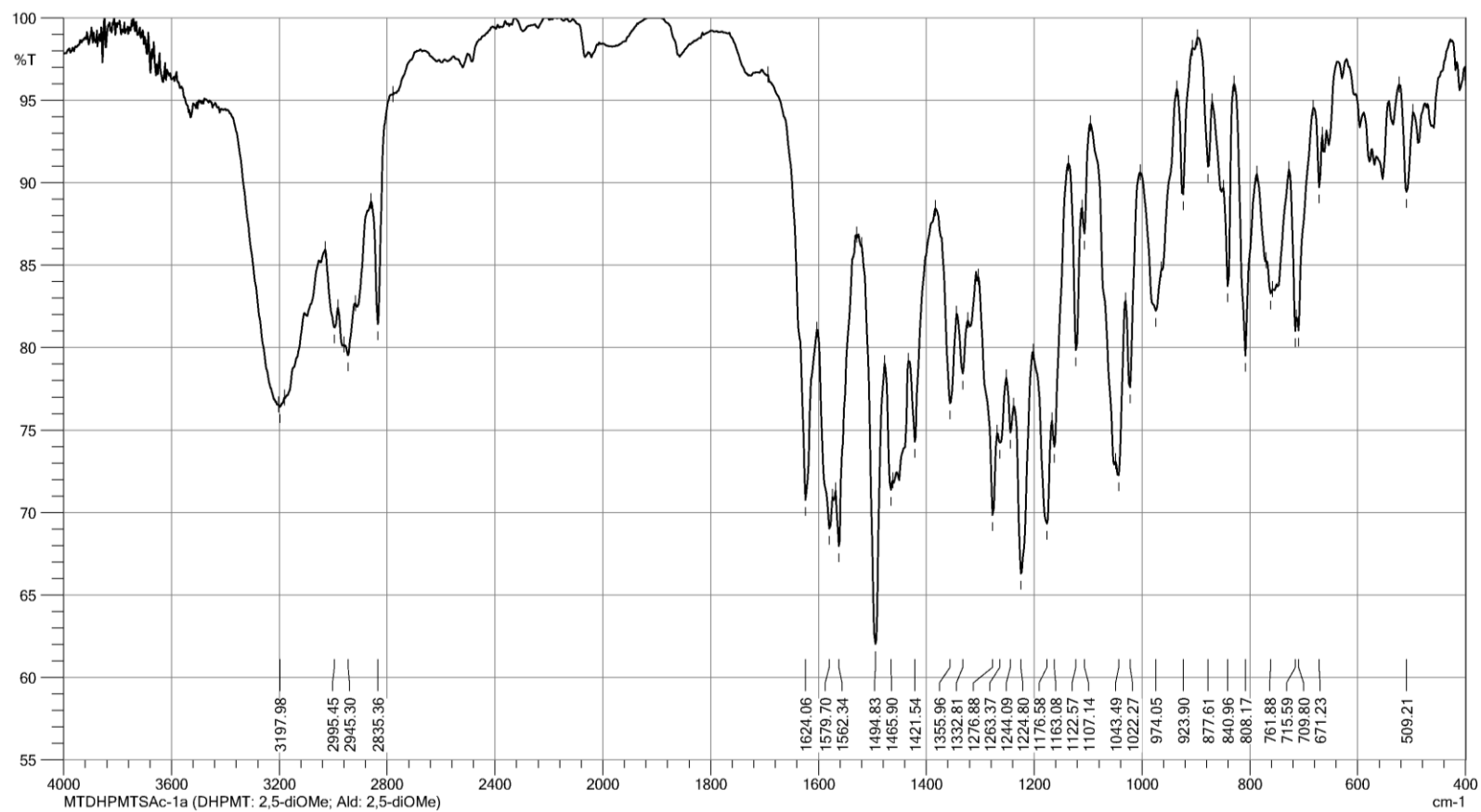


Figure S14. FTIR (DRIFT) spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 6)

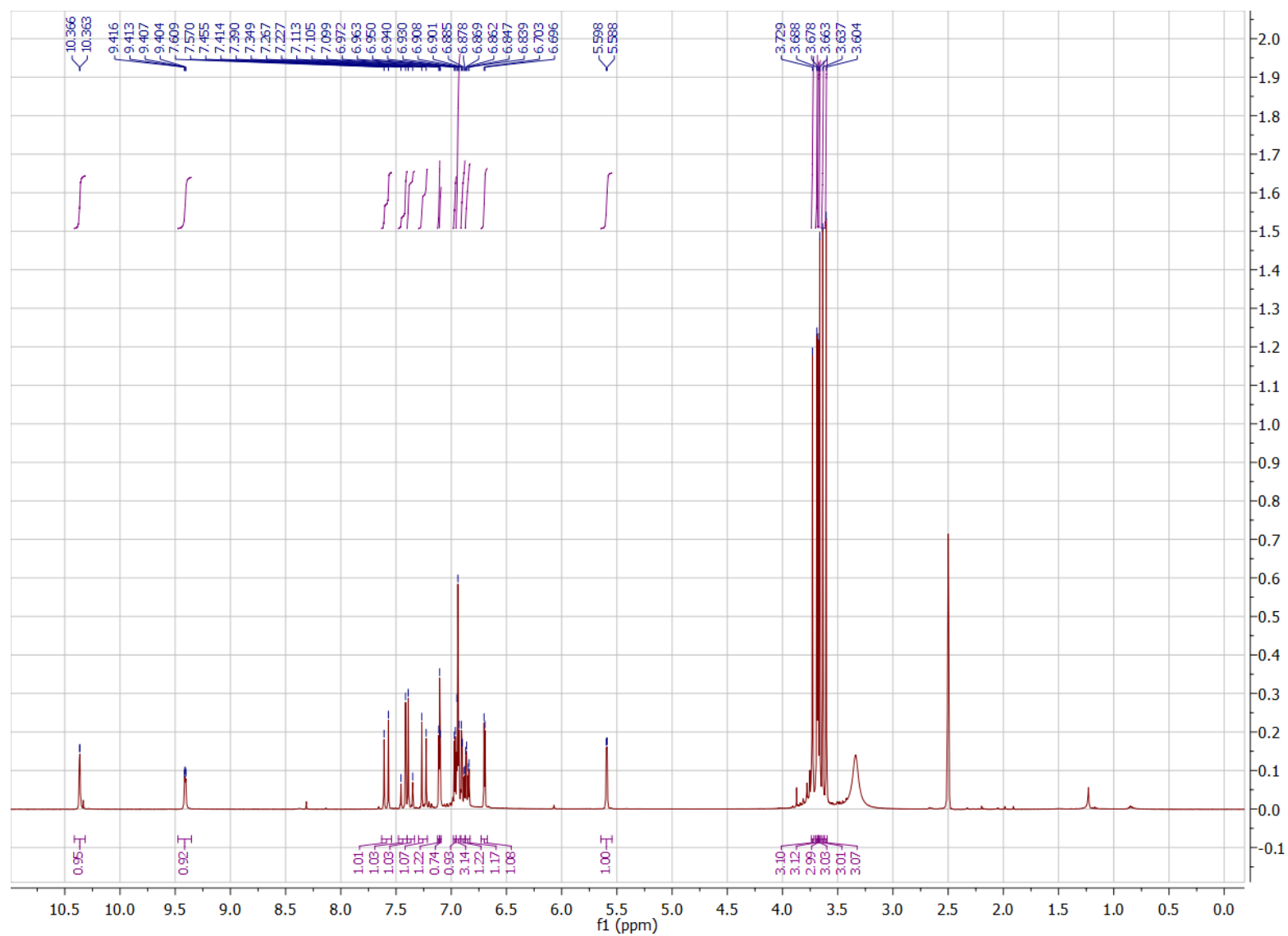


Figure S15. ^1H -NMR spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[[4-(2,5-dimethoxyphenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 6)

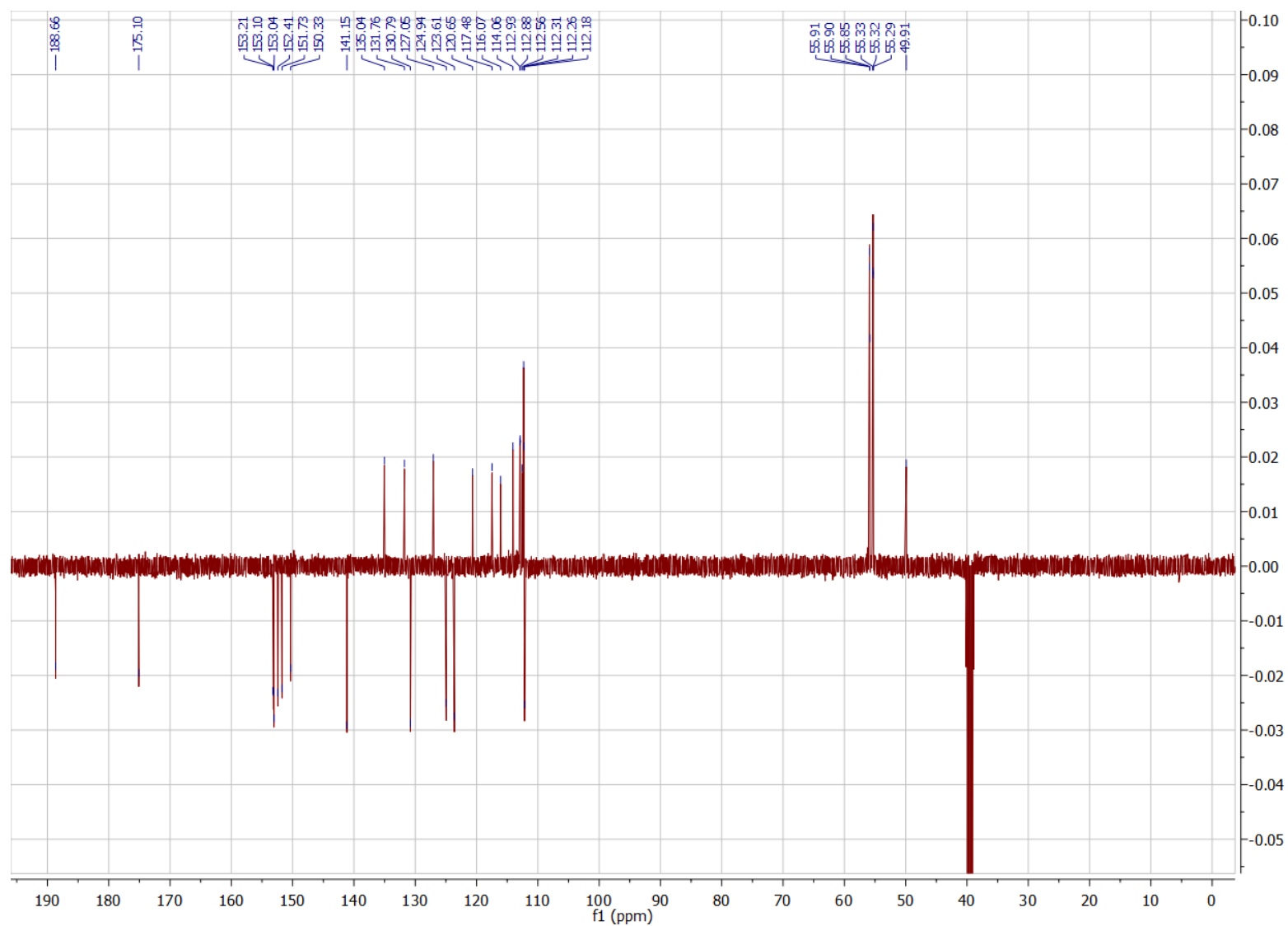


Figure S16. ^{13}C -NMR (APT) spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[4-(2,5-dimethoxyphenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound **6**)

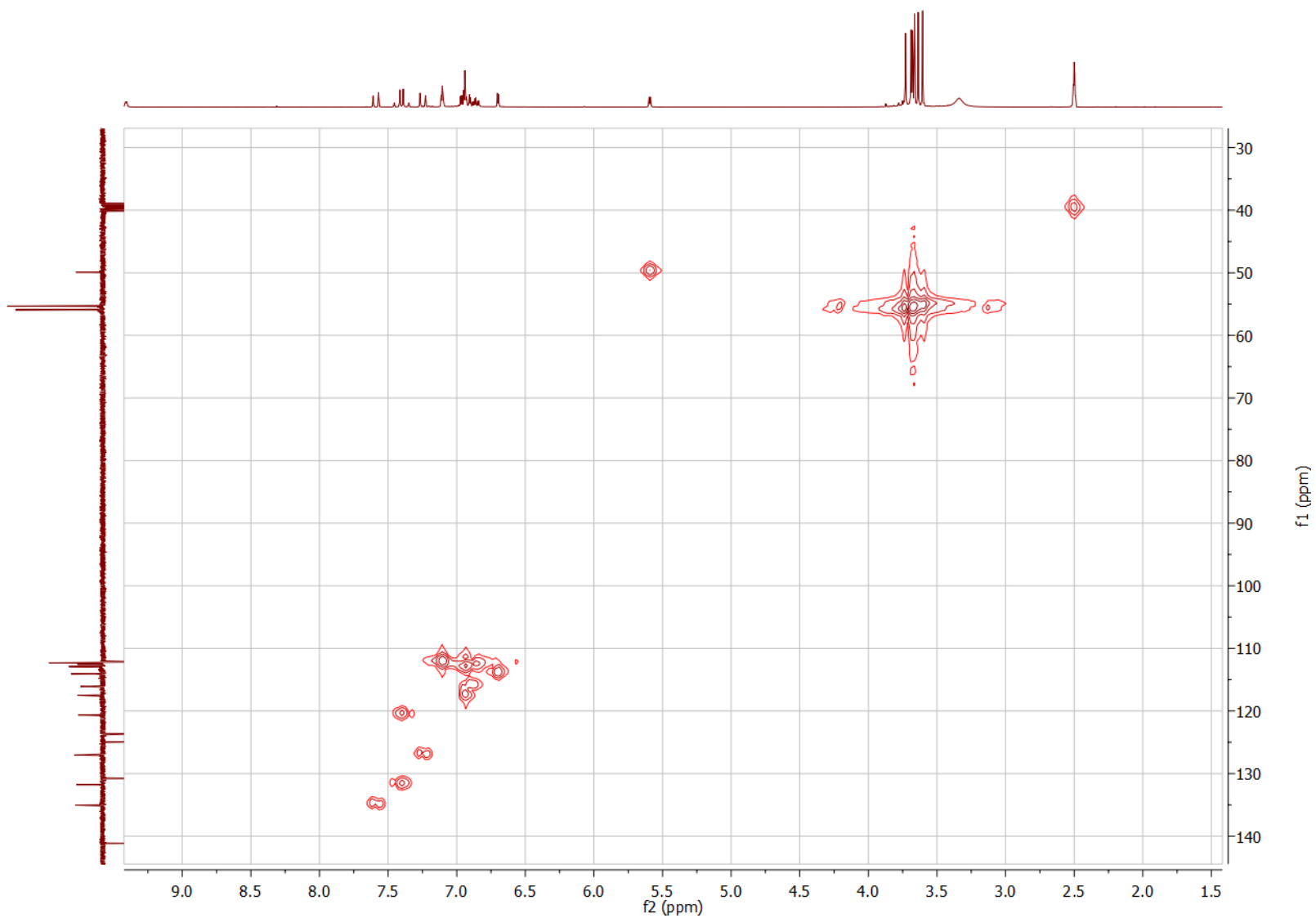


Figure S17. HMQC spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[[4-(2,5-dimethoxyphenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 6)



Figure S18. HMBC spectra of (*E*)-3-(2,5-Dimethoxyphenyl)-1-[[[4-(2,5-dimethoxyphenyl)-6-((*E*)-2,5-dimethoxystyryl)-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl]]prop-2-en-1-one (compound 6)