Supplementary Information

Optimized Synthesis of Dinitrochalcones via Ultrasonic Bath in a Cyclohexane-Methanol Solvent System

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Figure S1. ^{1}H NMR (600 MHz, DMSO-d_6) of compound **3a:** (*E*)-1,3-bis(2-nitrophenyl)prop-2-en-1-one.

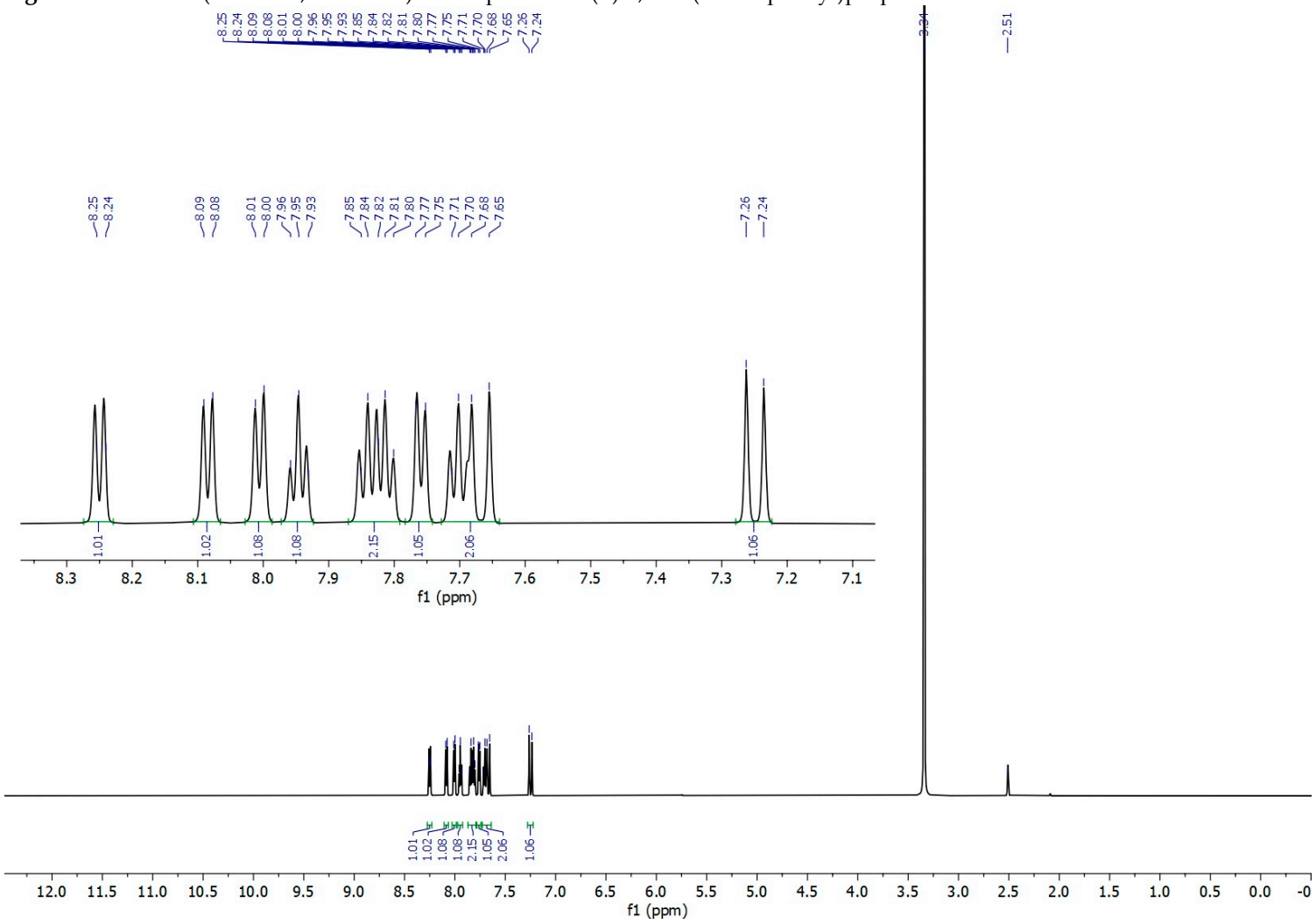

Figure S2. DEPTQ NMR (150 MHz, DMSO-d_6) of compound **3a:** (*E*)-1,3-bis(2-nitrophenyl)prop-2-en-1-one.

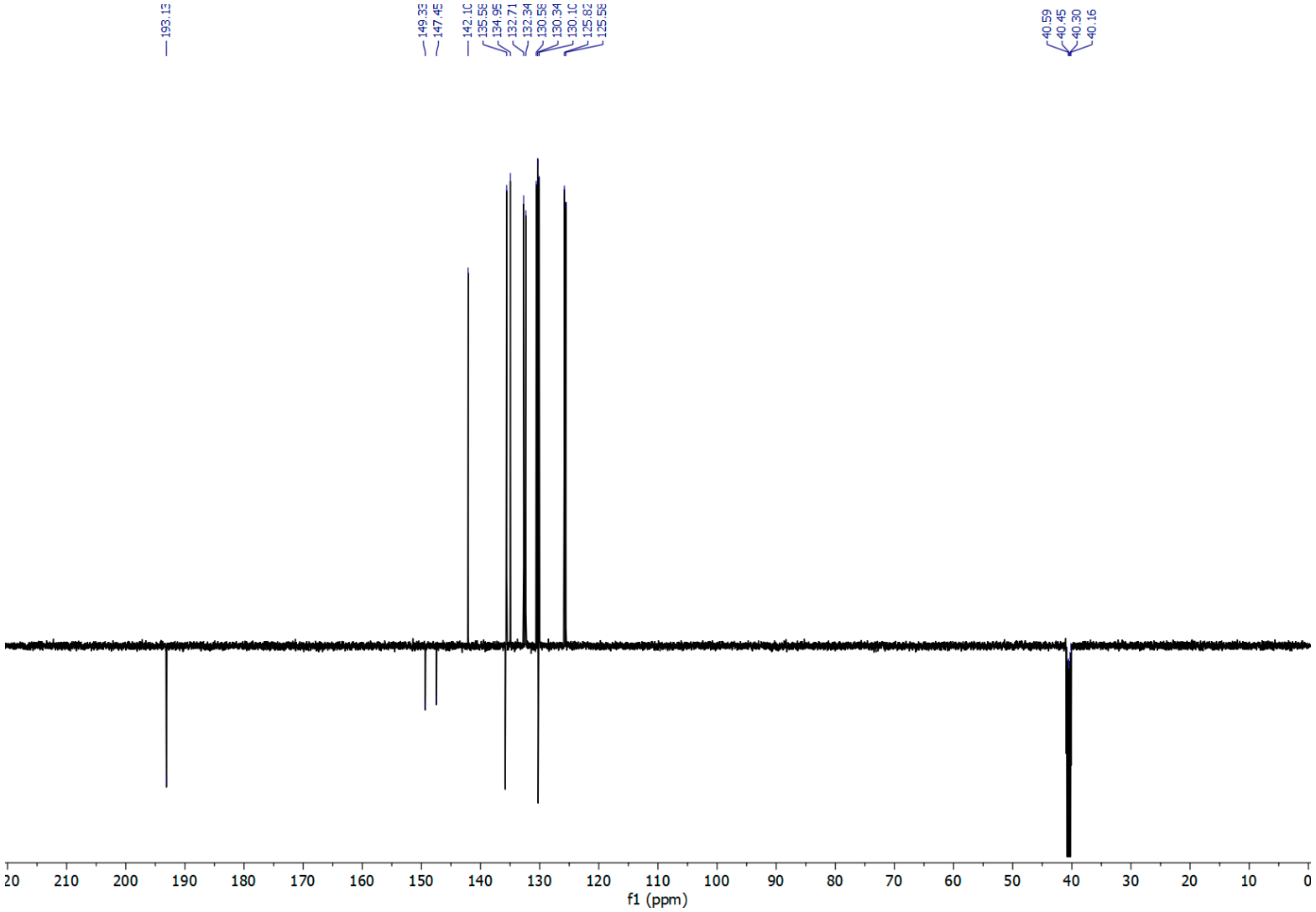

Figure S3. ^{1}H NMR (600 MHz, DMSO-d_6) of compound **3b:** (*E*)-1-(2-nitrophenyl)-3-(3-nitrophenyl)prop-2-en-1-one.

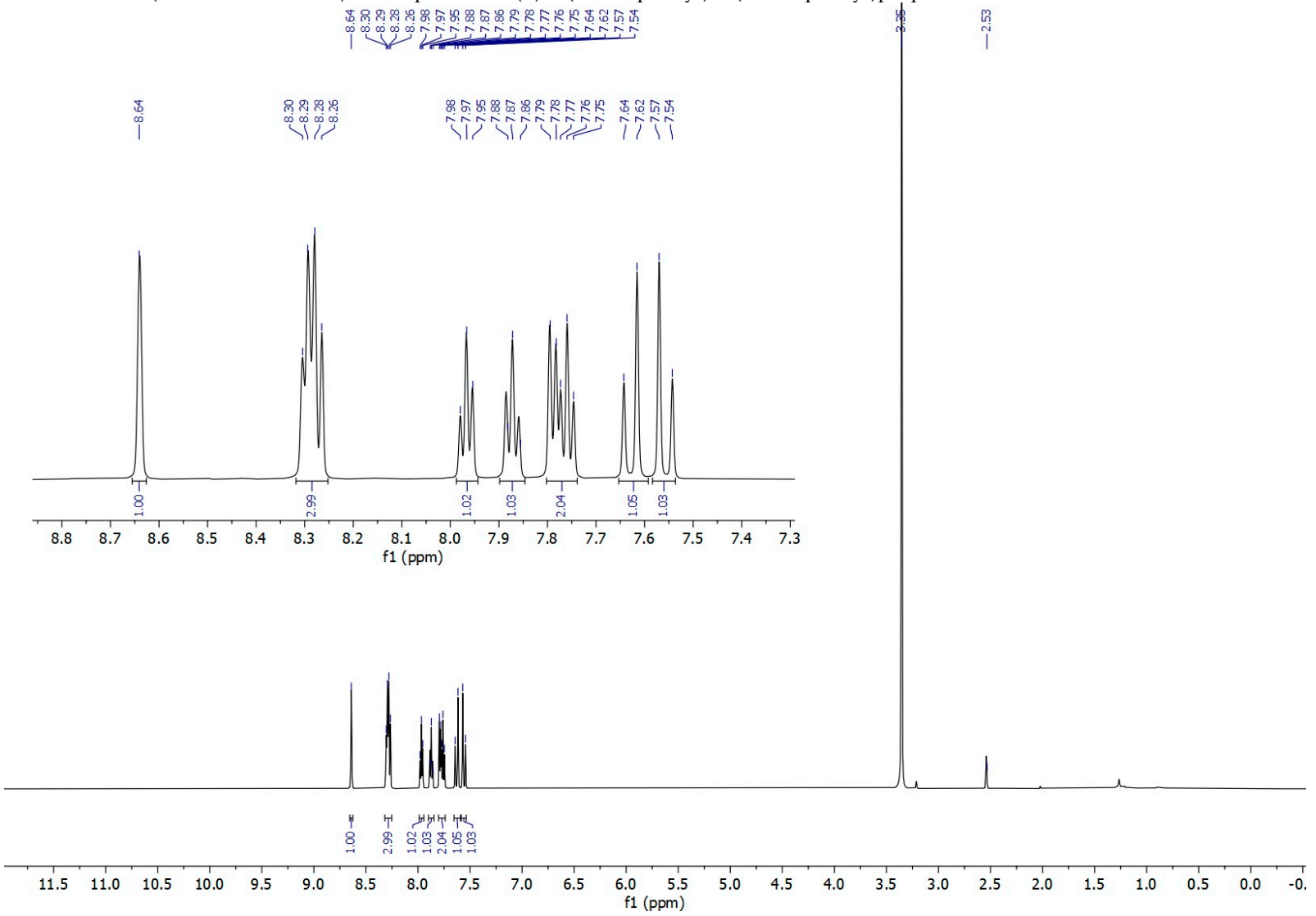

Figure S4. DEPTQ NMR (150 MHz, DMSO-d_6) of compound **3b:** (*E*)-1-(2-nitrophenyl)-3-(3-nitrophenyl)prop-2-en-1-one.

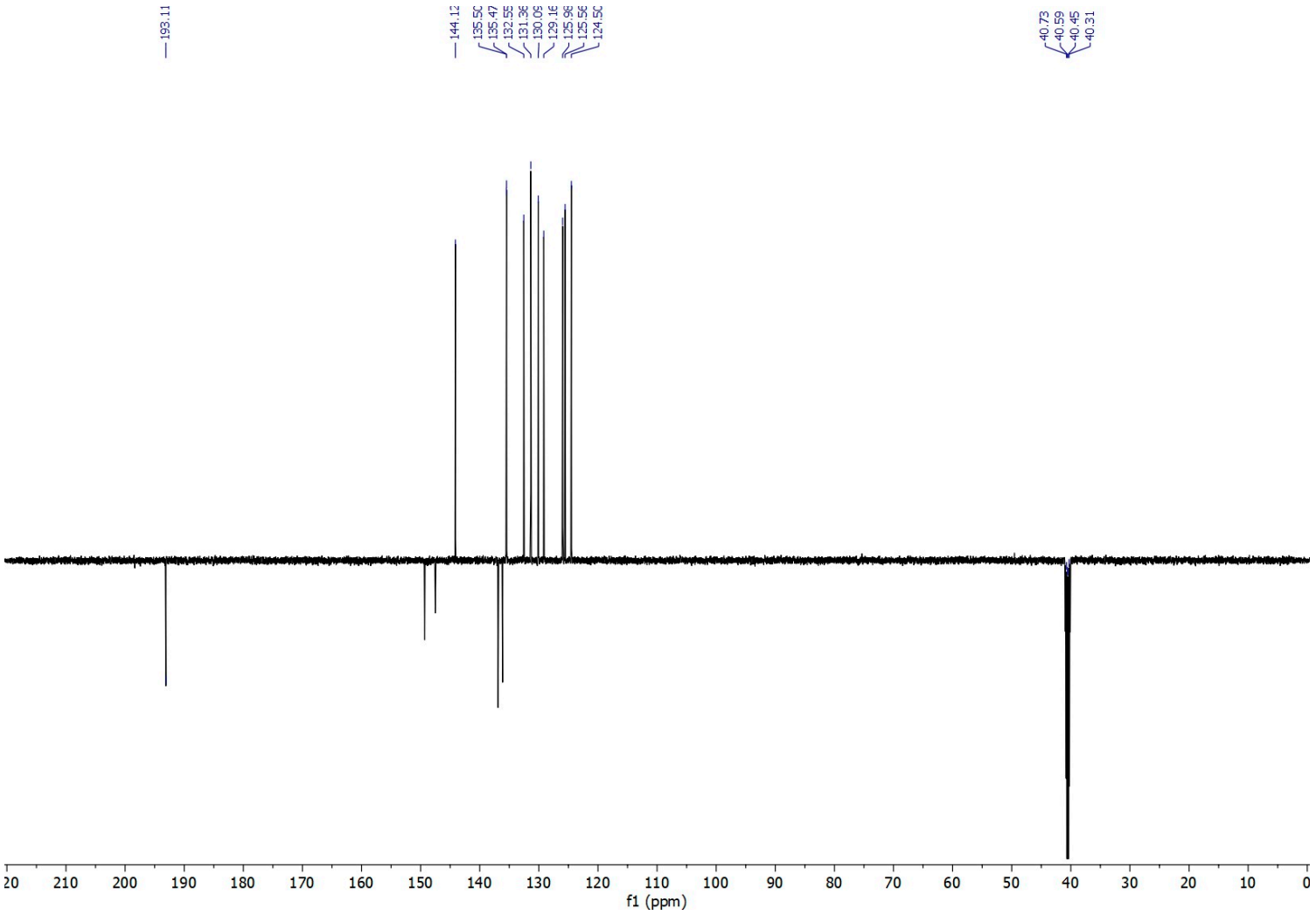

Figure S5. ^{1}H NMR (600 MHz, DMSO-*d*6) of compound **3c:** (*E*)-1-(2-nitrophenyl)-3-(4-nitrophenyl)prop-2-en-1-one.

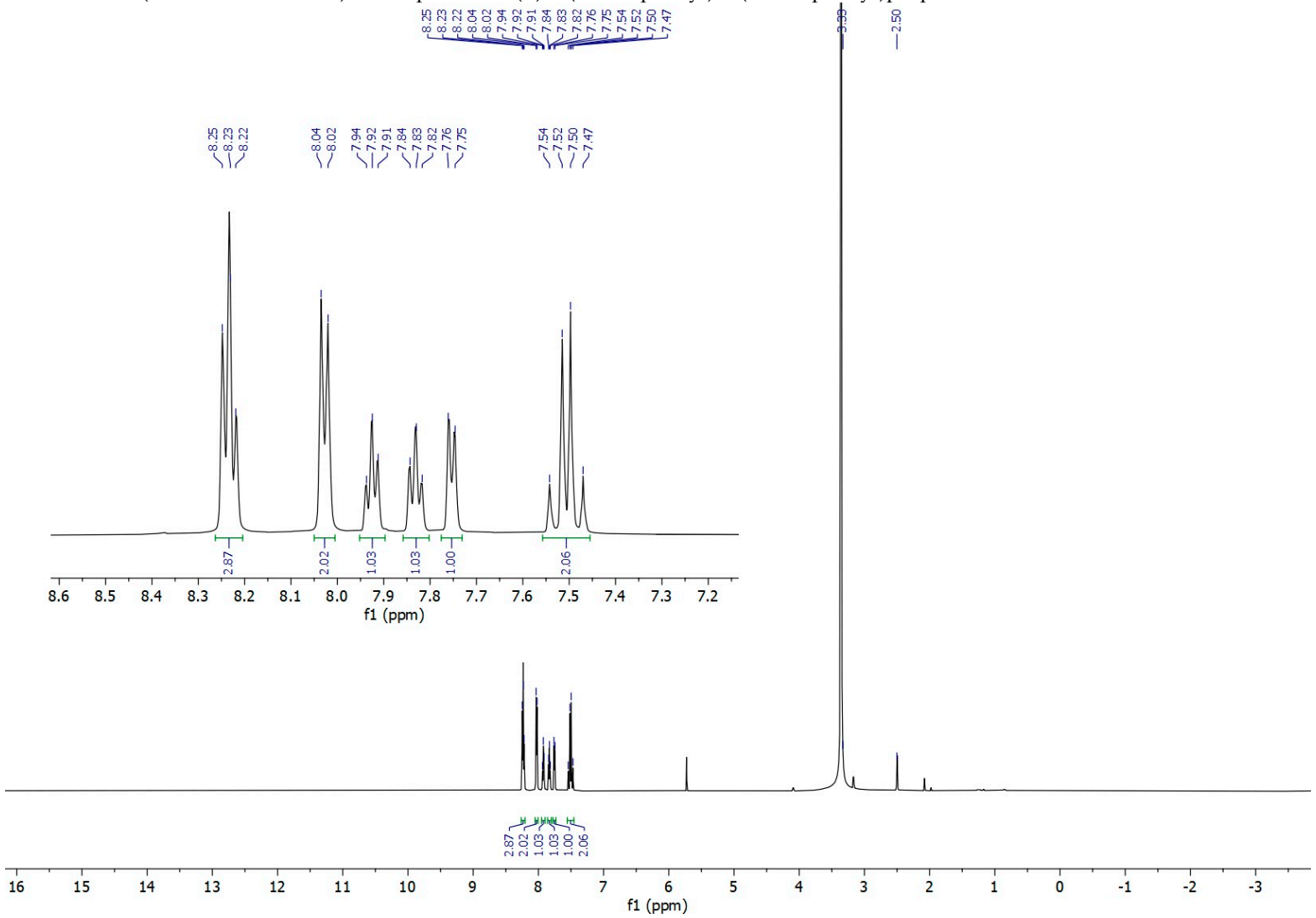

Figure S6. DEPTQ NMR (150 MHz, DMSO-d_6) of compound **3c:** (*E*)-1-(2-nitrophenyl)-3-(4-nitrophenyl)prop-2-en-1-one.

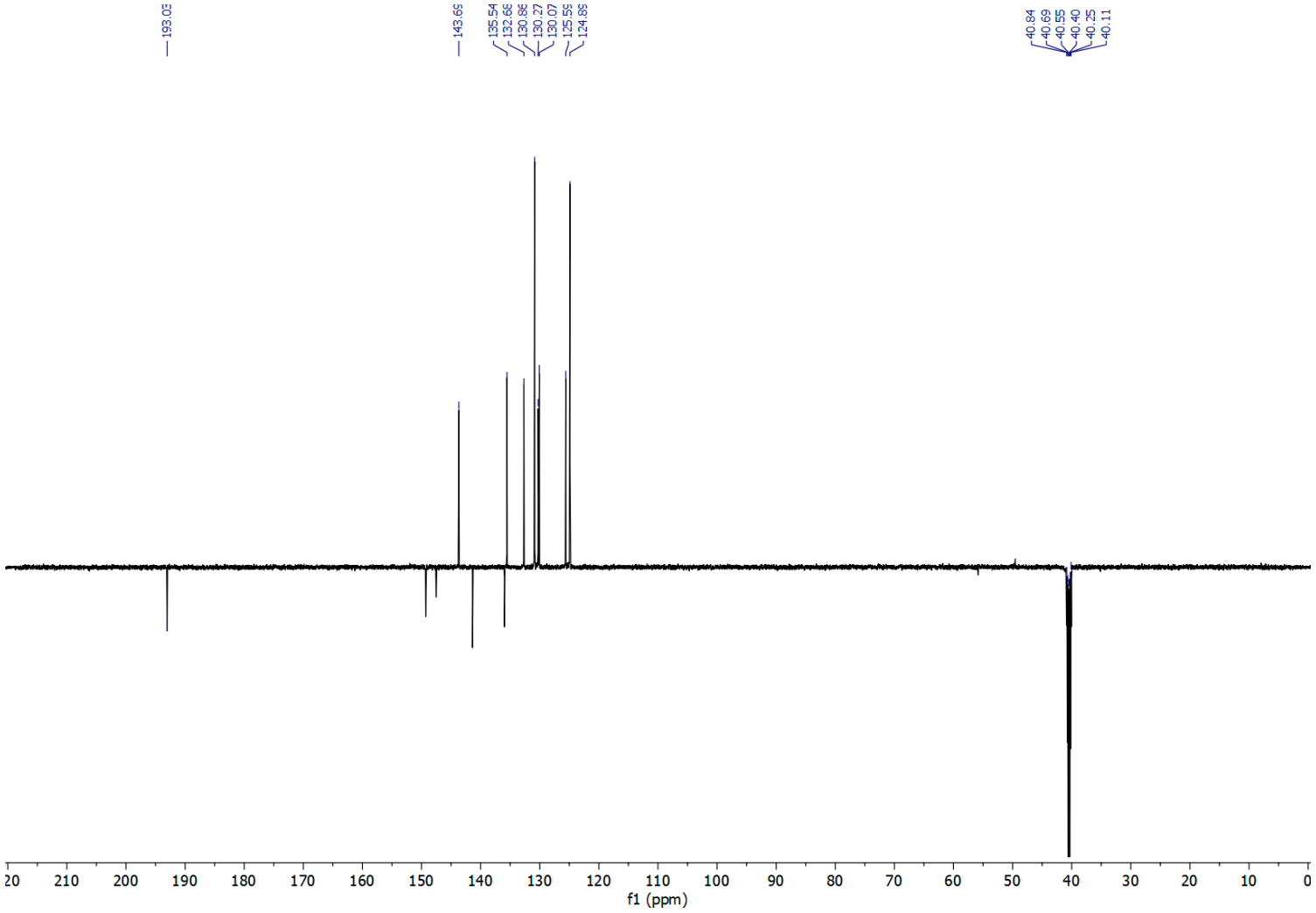

Figure S7. ^{1}H NMR (600 MHz, DMSO-d_6) of compound **3d:** (*E*)-3-(2-nitrophenyl)-1-(3-nitrophenyl)prop-2-en-1-one

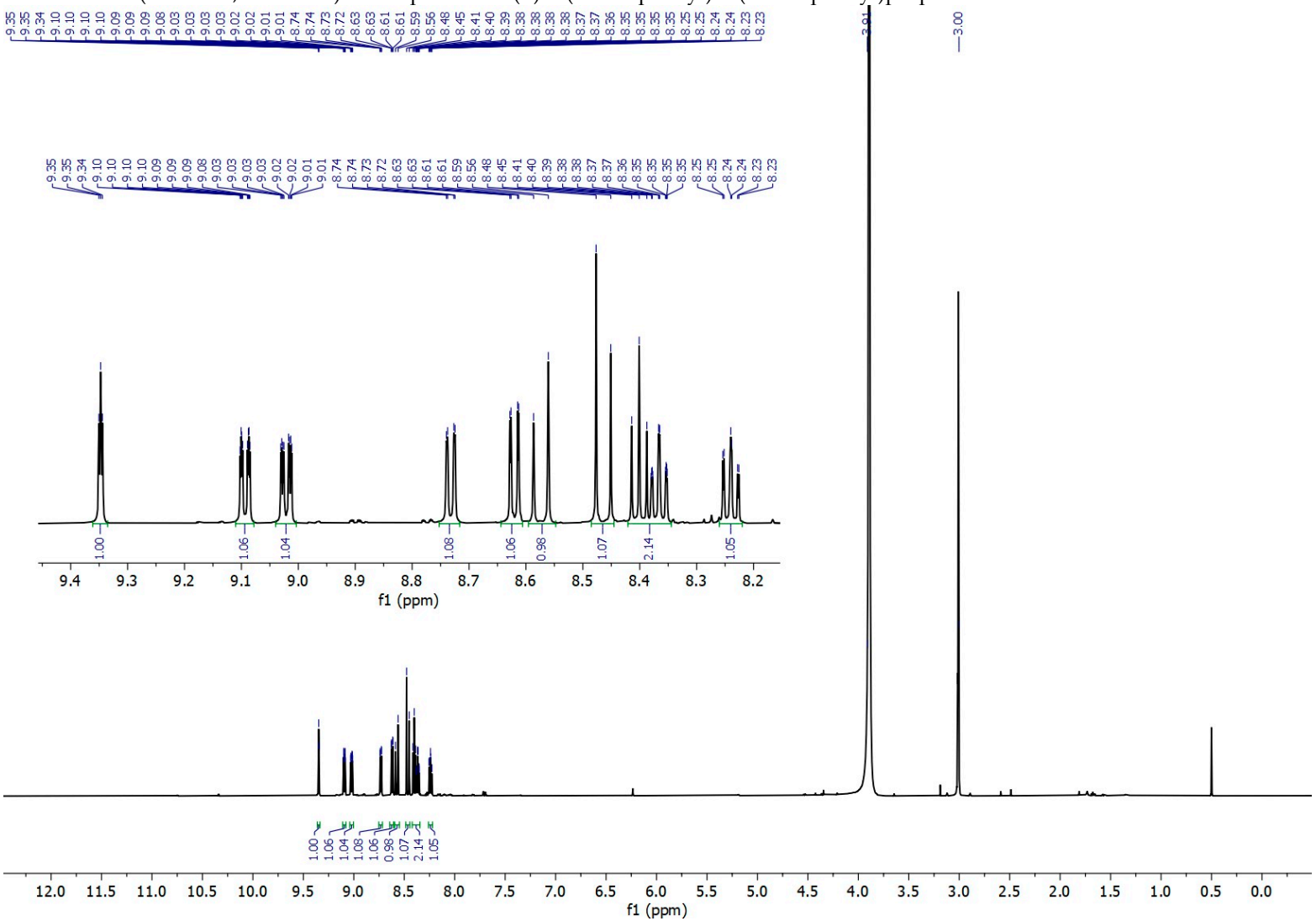

Figure S8. DEPTQ NMR (150 MHz, DMSO-d_6) of compound **3d:** (*E*)-3-(2-nitrophenyl)-1-(3-nitrophenyl)prop-2-en-1-one.

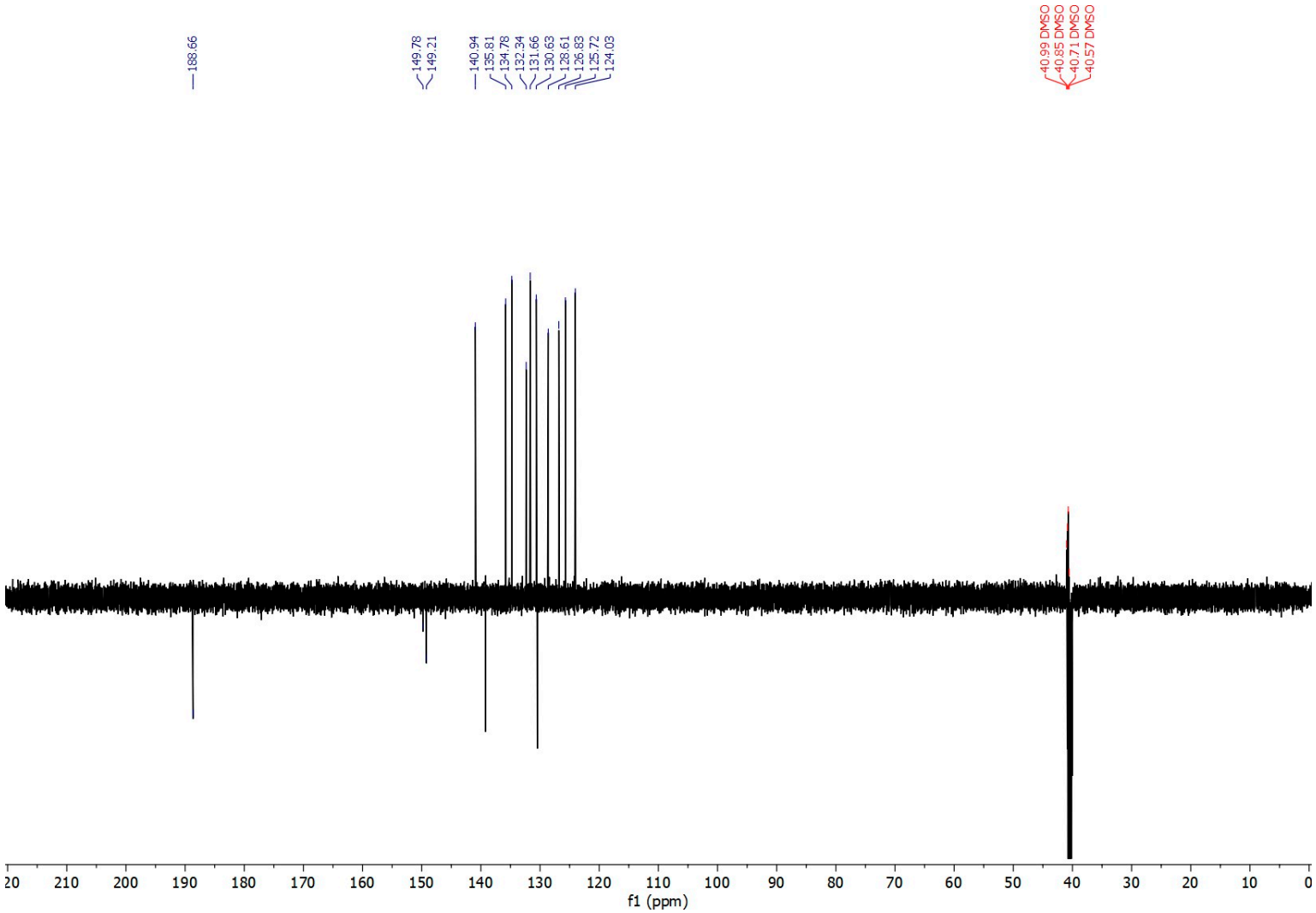

Figure S9. ^{1}H NMR (600 MHz, DMSO-d_6) of compound **3e:** (*E*)-1,3-bis(3-nitrophenyl)prop-2-en-1-one.

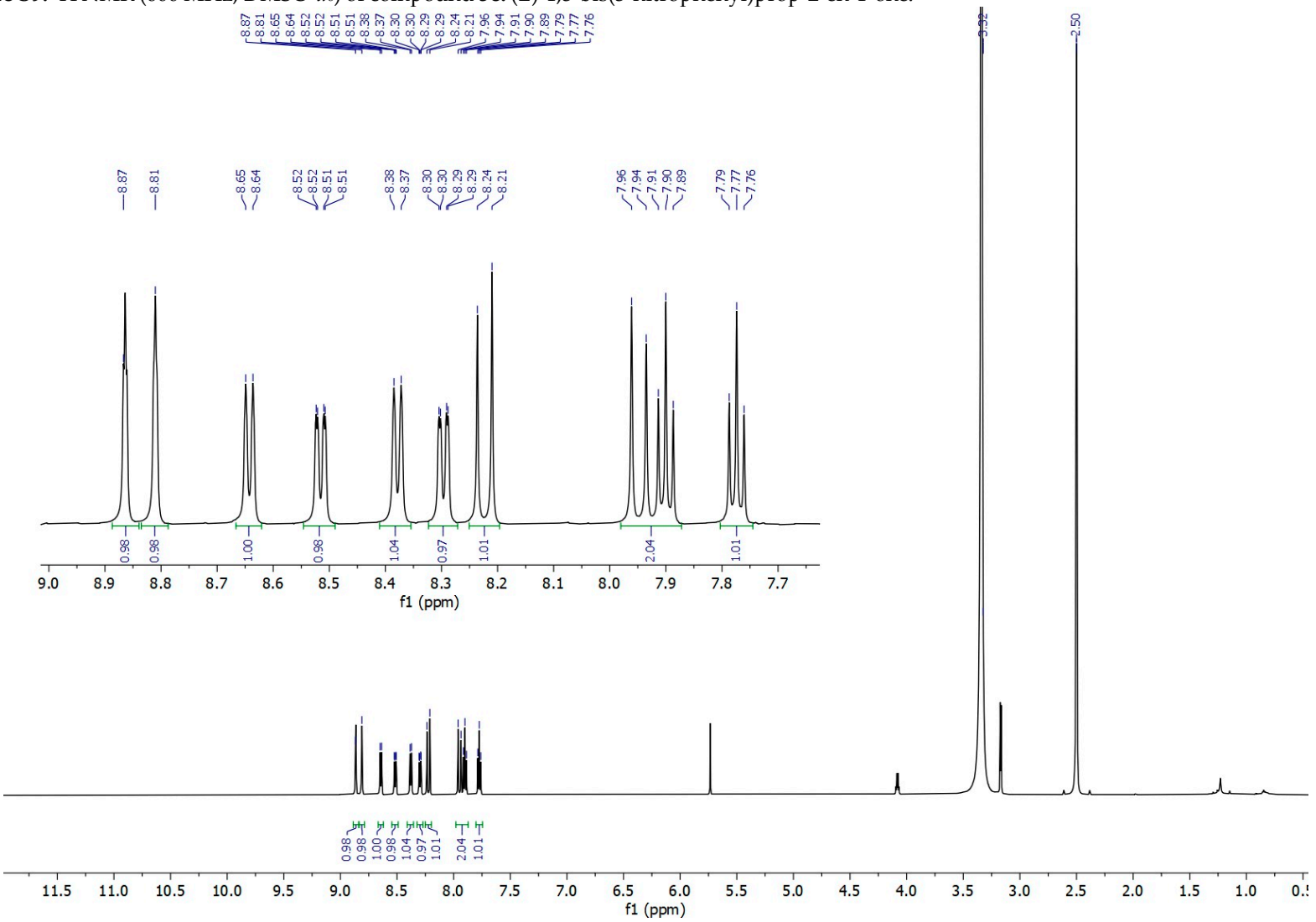

Figure S10. DEPTQ NMR (150 MHz, DMSO-d_6) of compound **3e:** (*E*)-1,3-bis(3-nitrophenyl)prop-2-en-1-one.

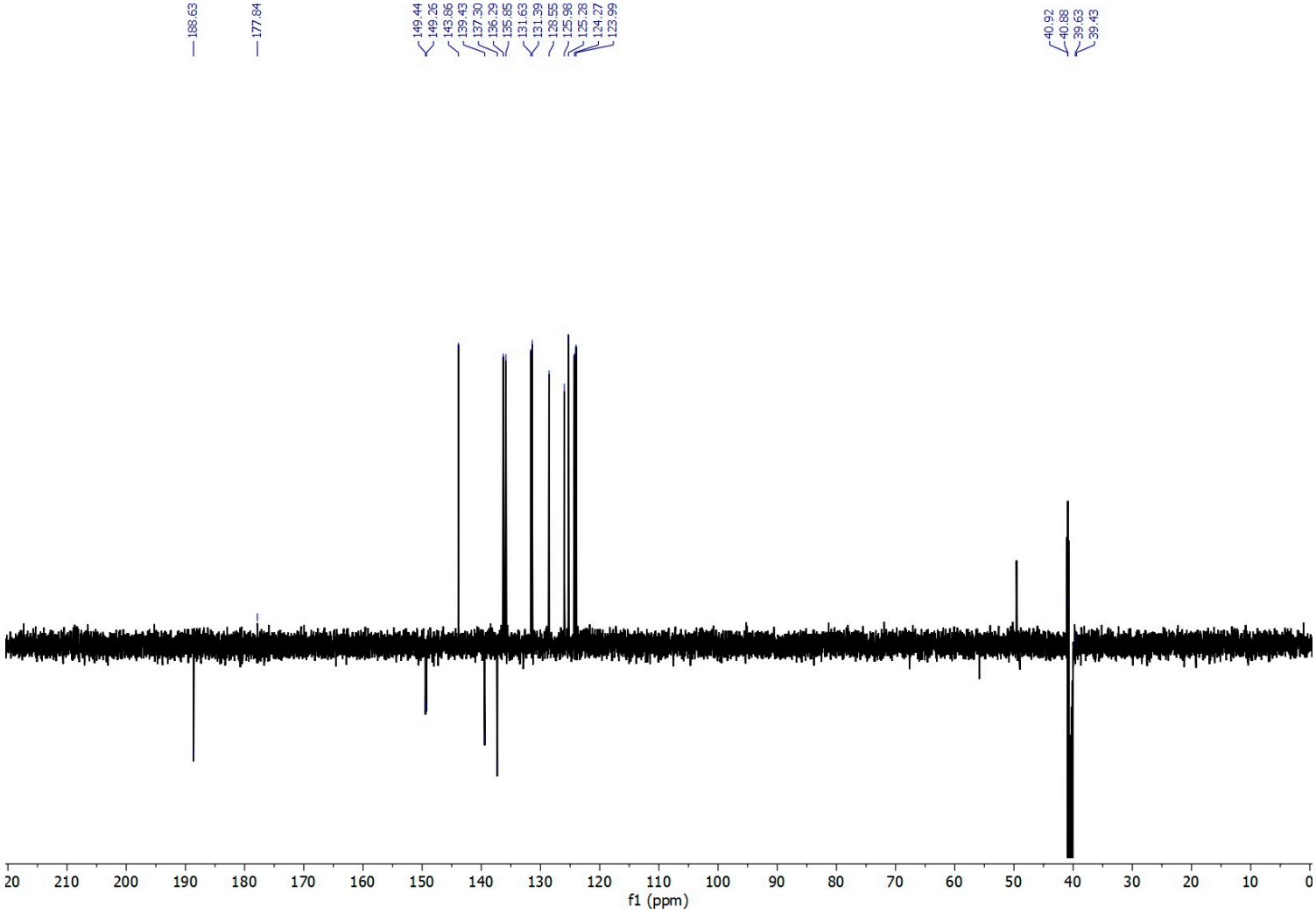

Figure S11. FT-IR Spectrum (**3a**).

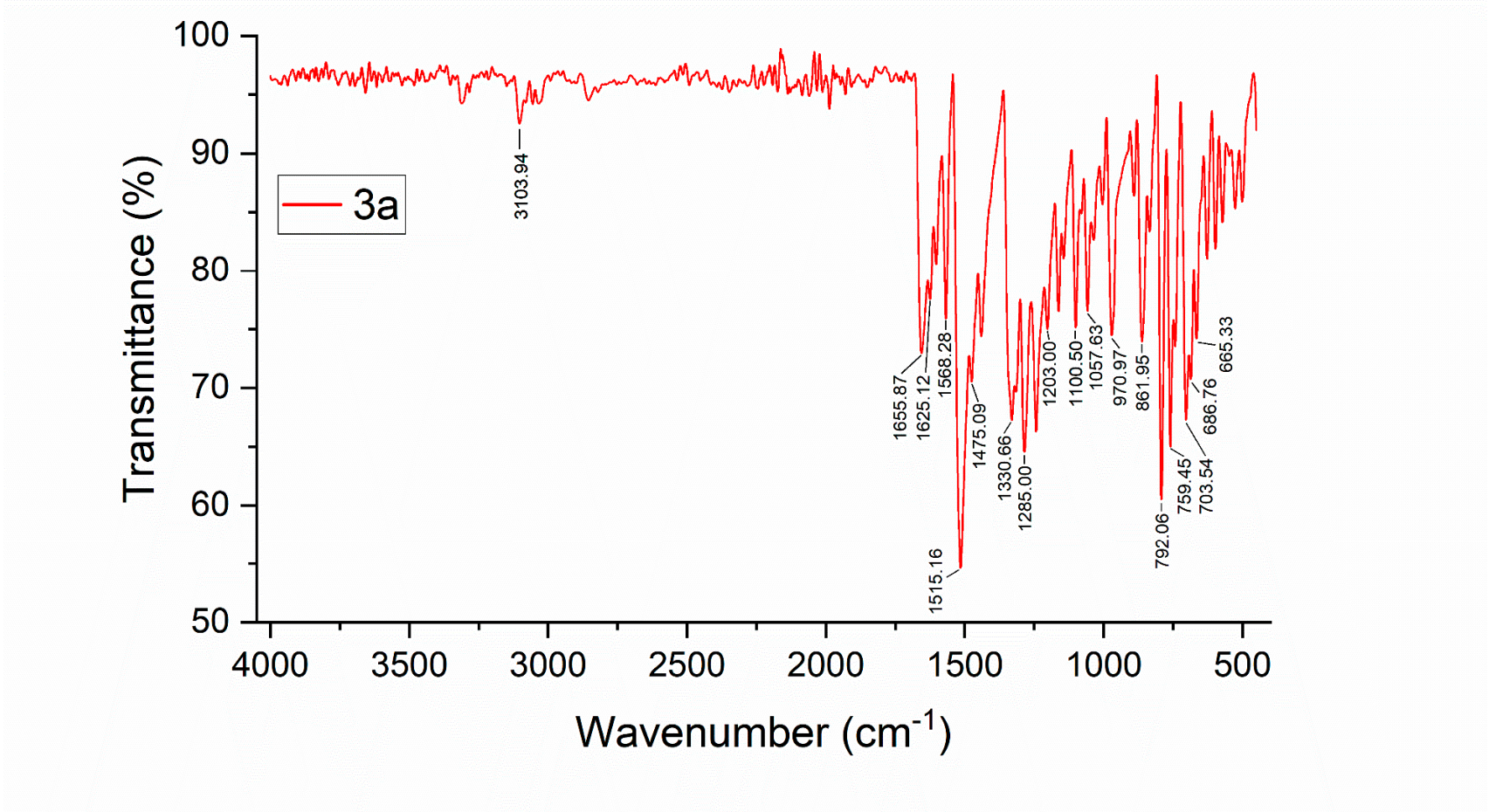

Figure S12. FT-IR Spectrum (**3b**).

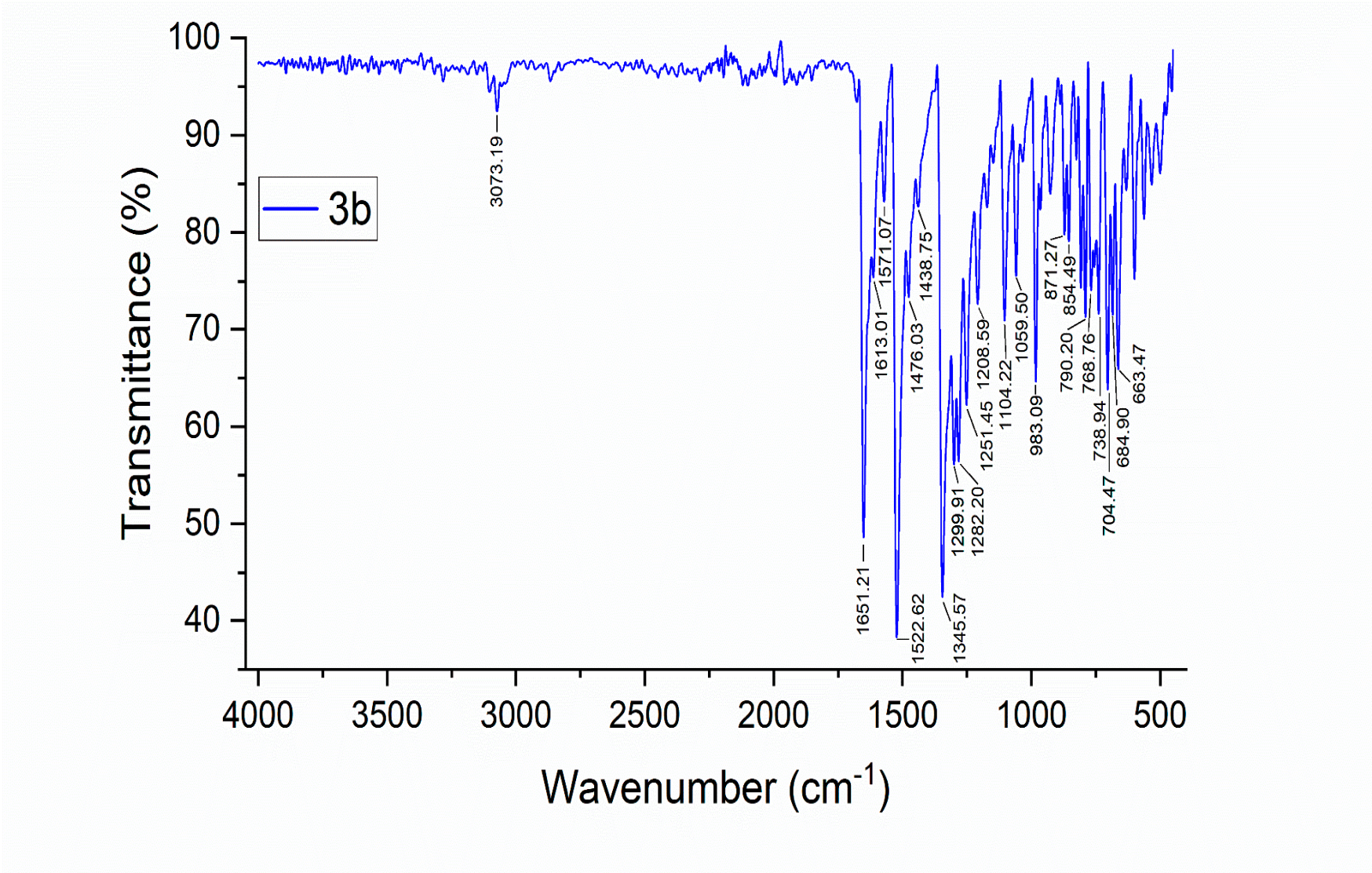

Figure S13. FT-IR Spectrum (**3c**).

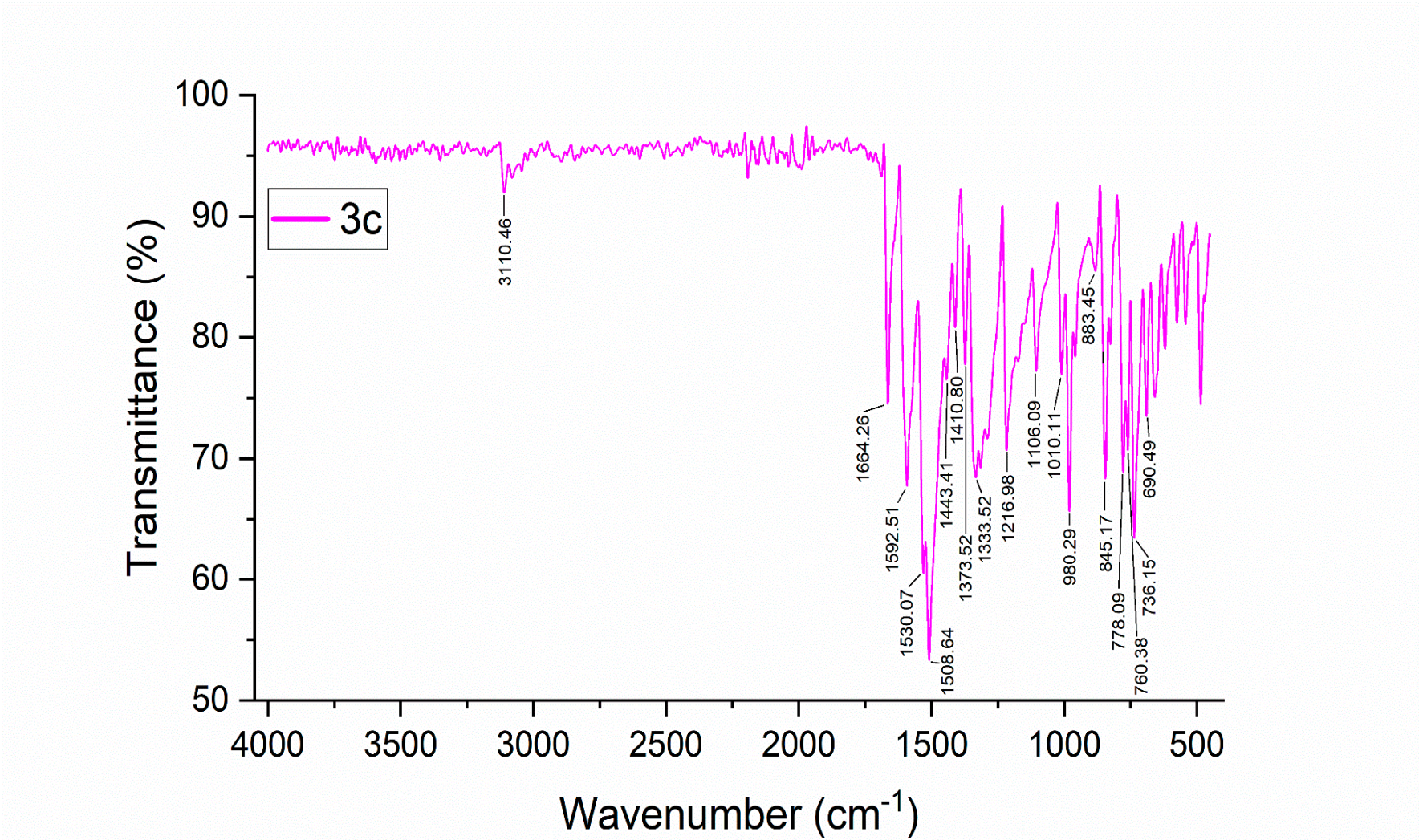

Figure S14. FT-IR Spectrum (**3d**).

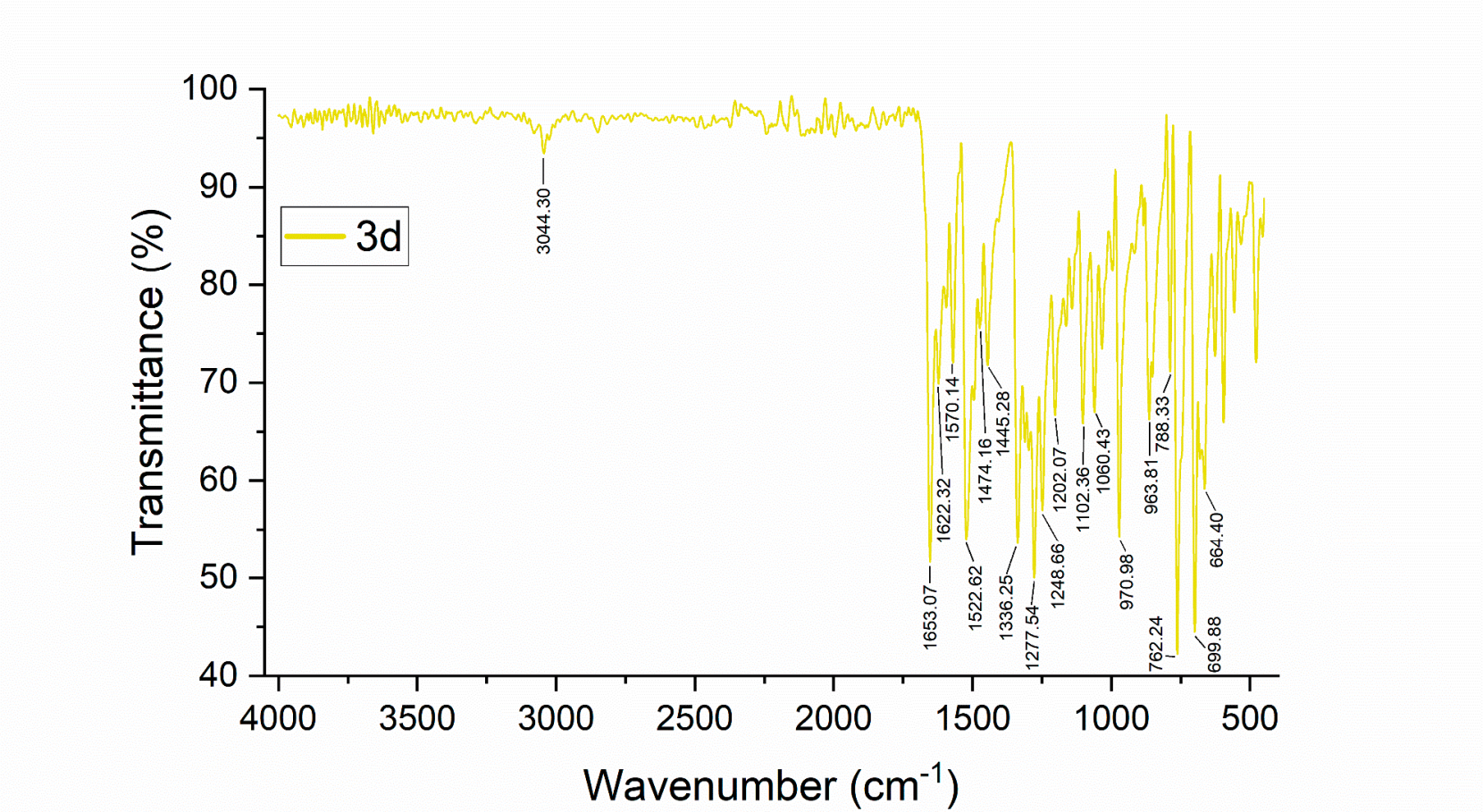

Figure S15. FT-IR Spectrum (**3e**).

