

Supplementary File 1 for:

Design, synthesis and docking study of acyl thiourea derivatives as possible histone deacetylase inhibitors with a novel zinc binding group

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FT-IR Spectra

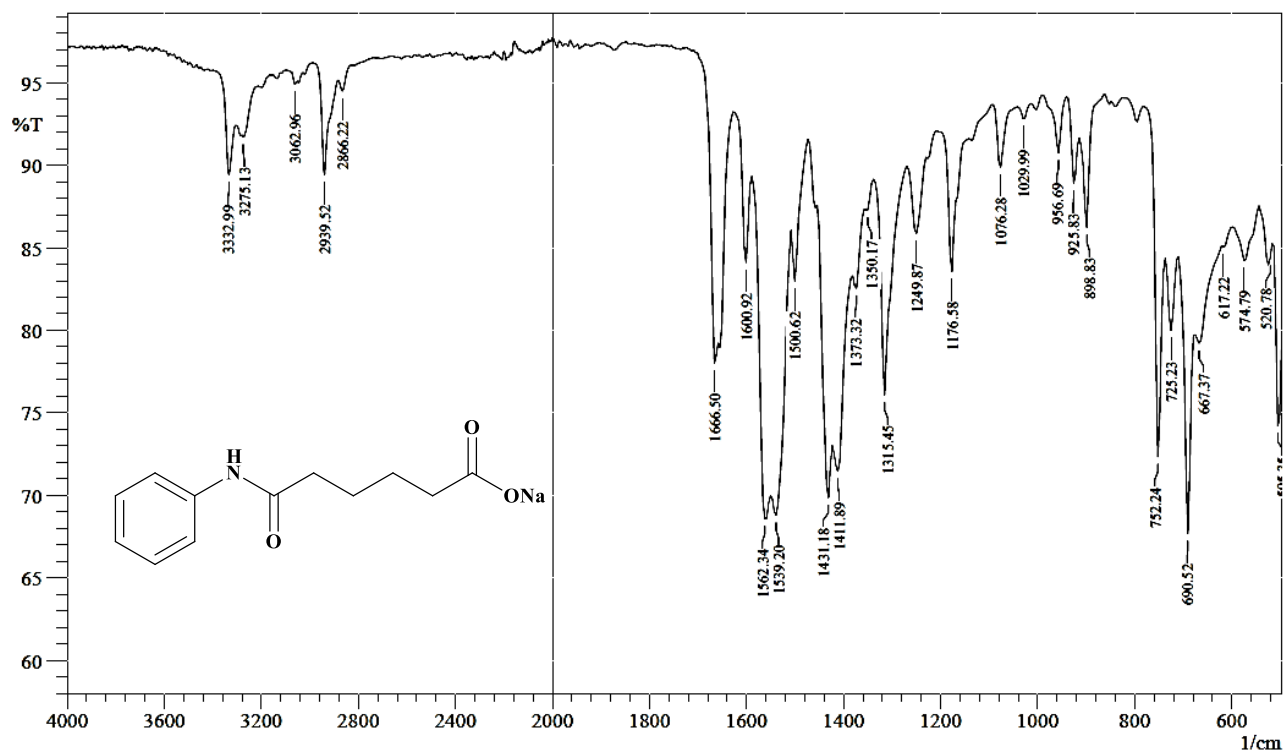


Figure S1: FT-IR spectrum of monosodium adipic monoanilide, **4d**

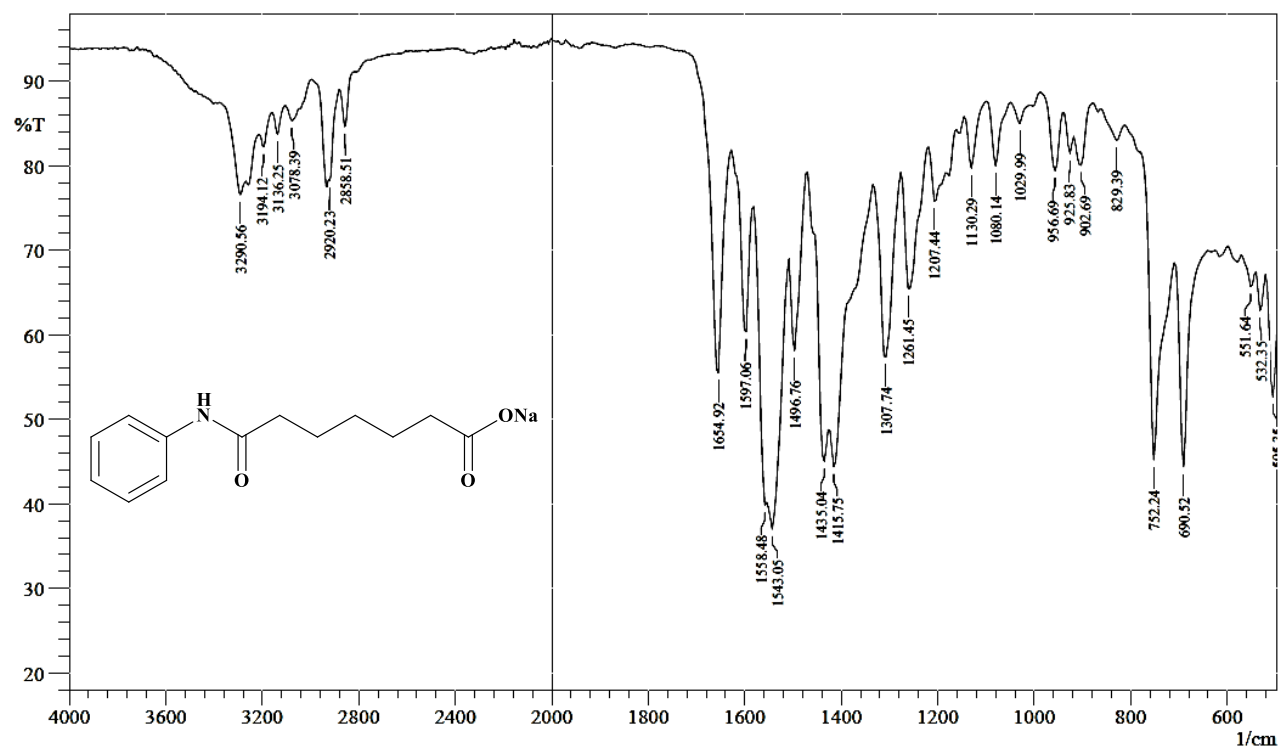


Figure S2: FT-IR spectrum of monosodium pimelic monoanilide, **5d**

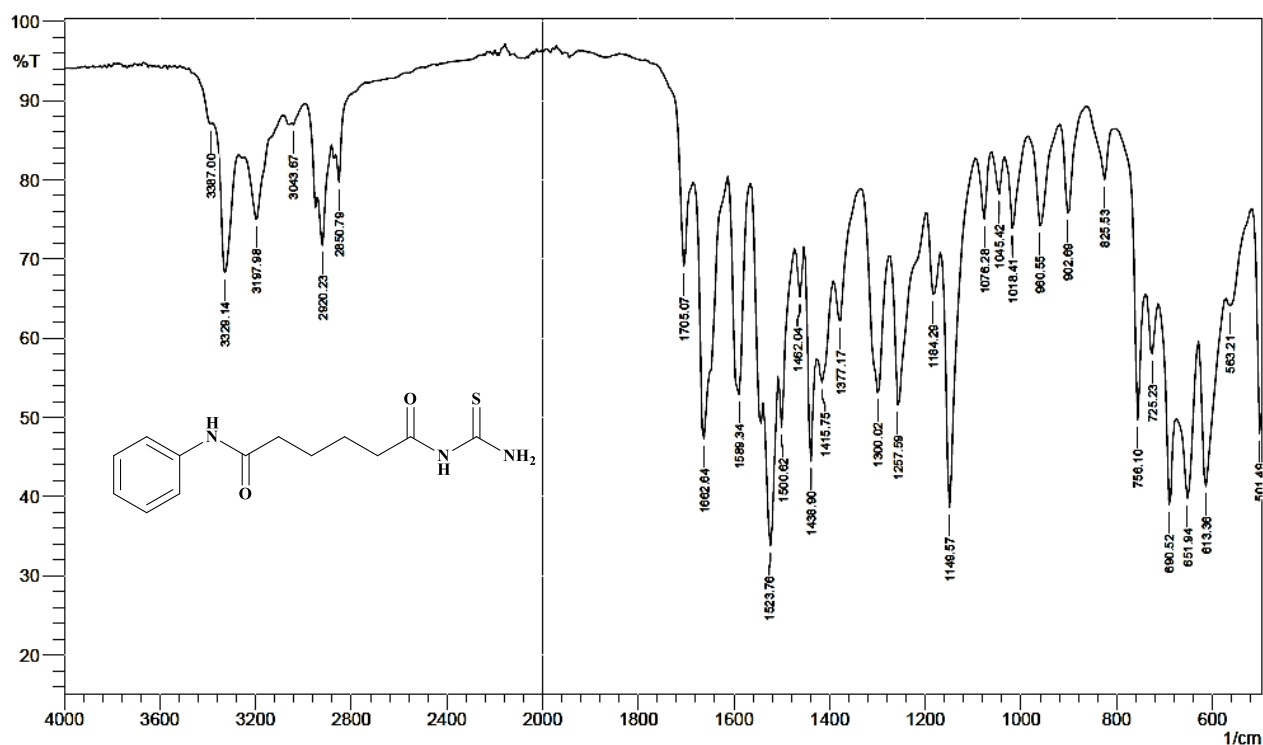


Figure S3: FT-IR spectrum of *N*-adipoyl monoanilide thiourea, **4**

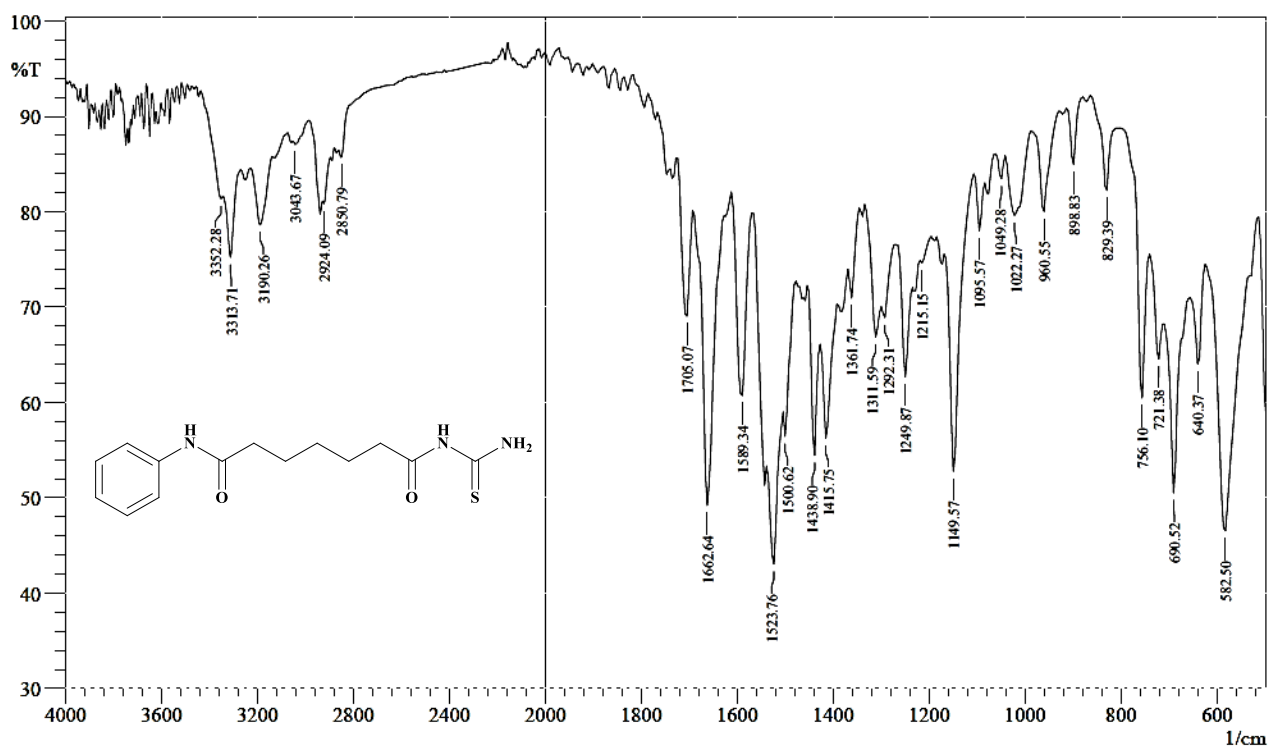


Figure S4: FT-IR spectrum of *N*-pimeloyl monoanilide thiourea, **5**

NMR spectra

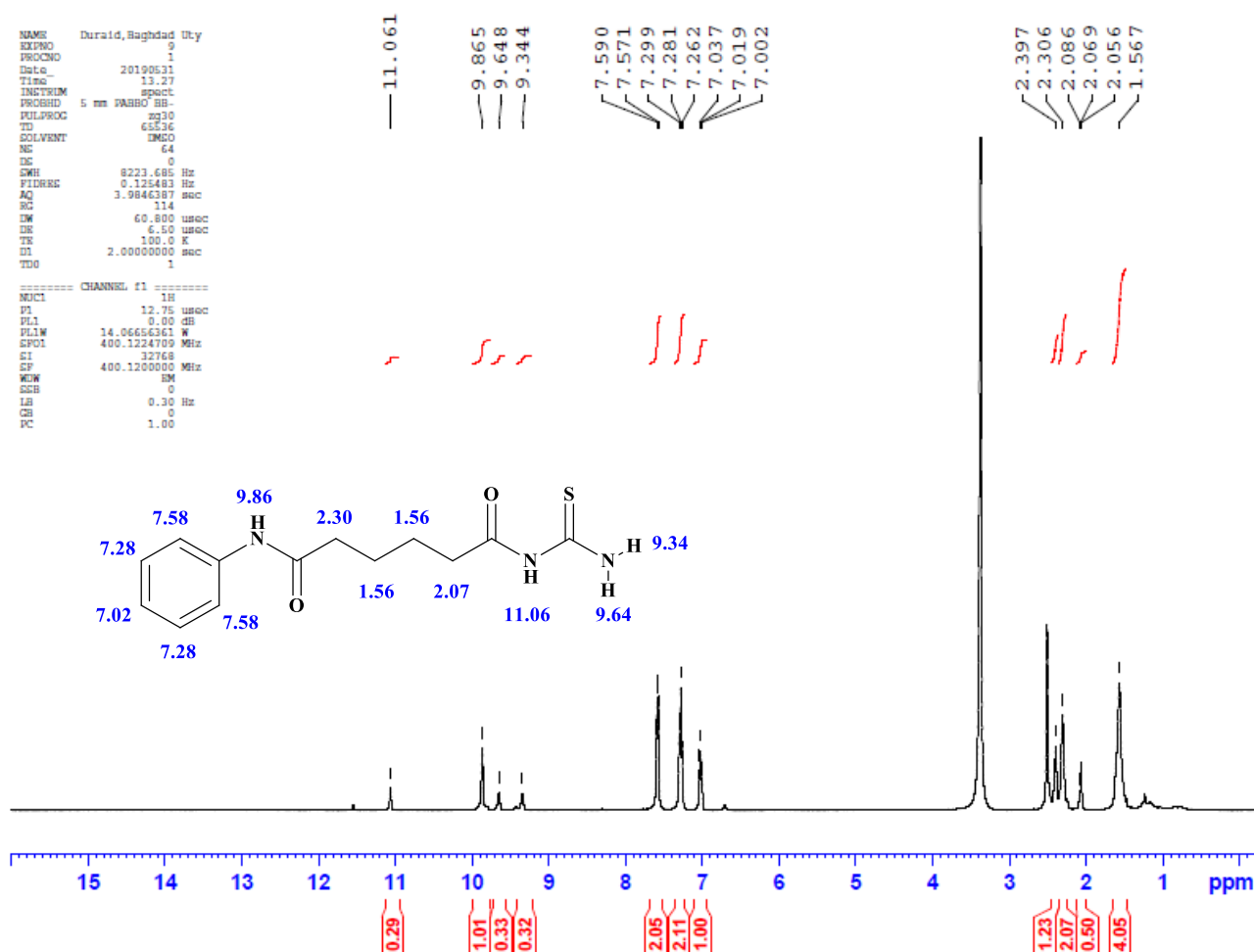


Figure S5: ¹H-NMR spectrum of *N*-adipoyl monoanilide thiourea, **4**

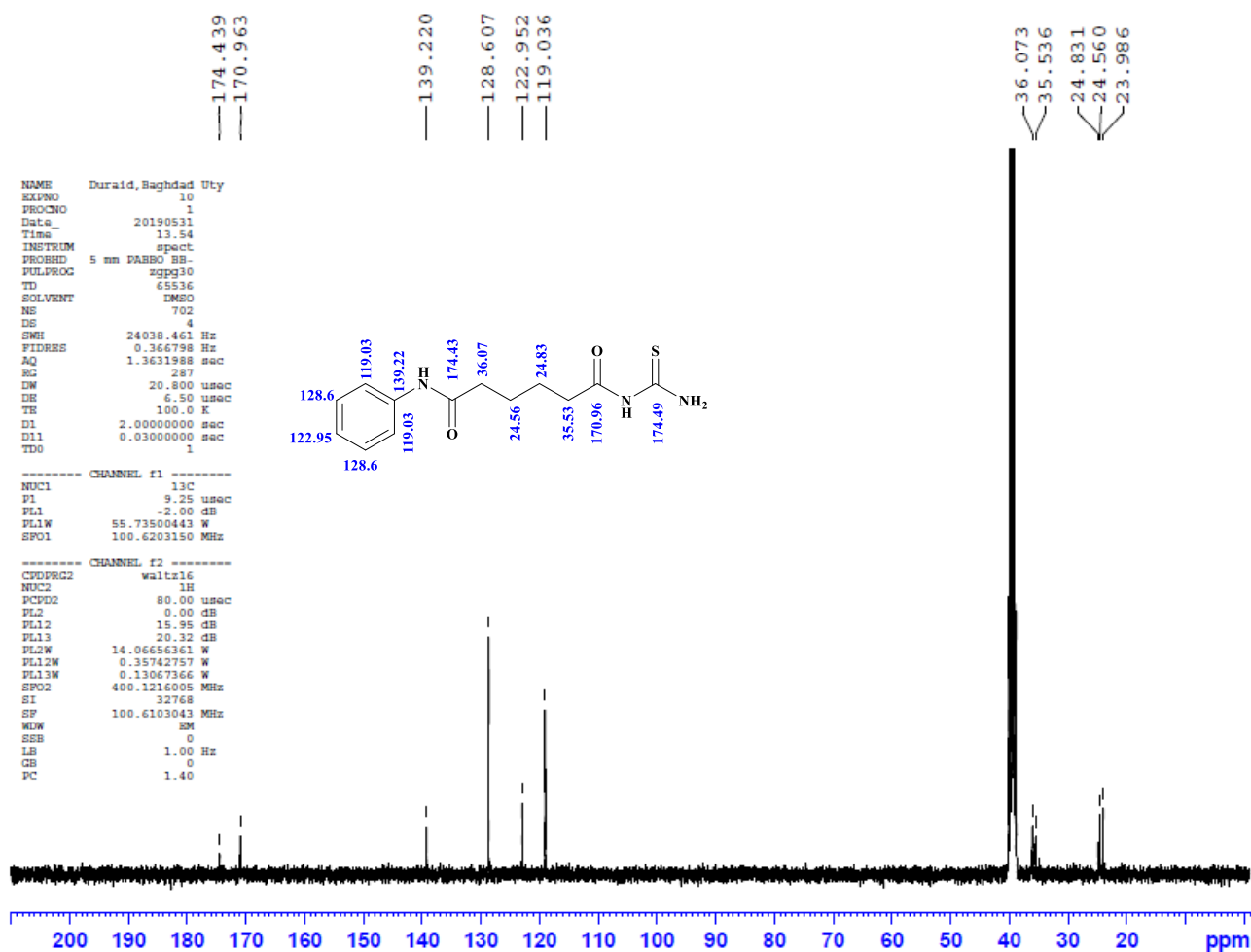


Figure S6: ¹³C-NMR of *N*-adipoyl monoanilide thiourea, **4**

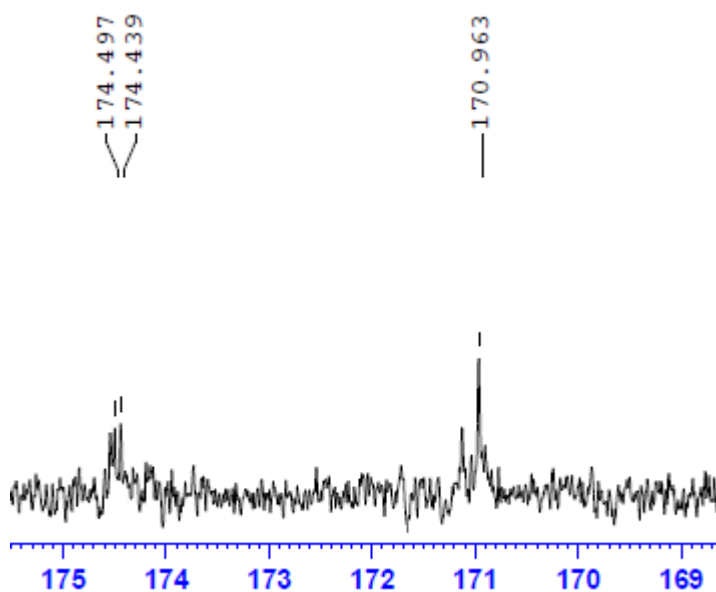


Figure S7: A magnified ¹³C-NMR spectrum of *N*-adipoyl monoanilide thiourea, **4**

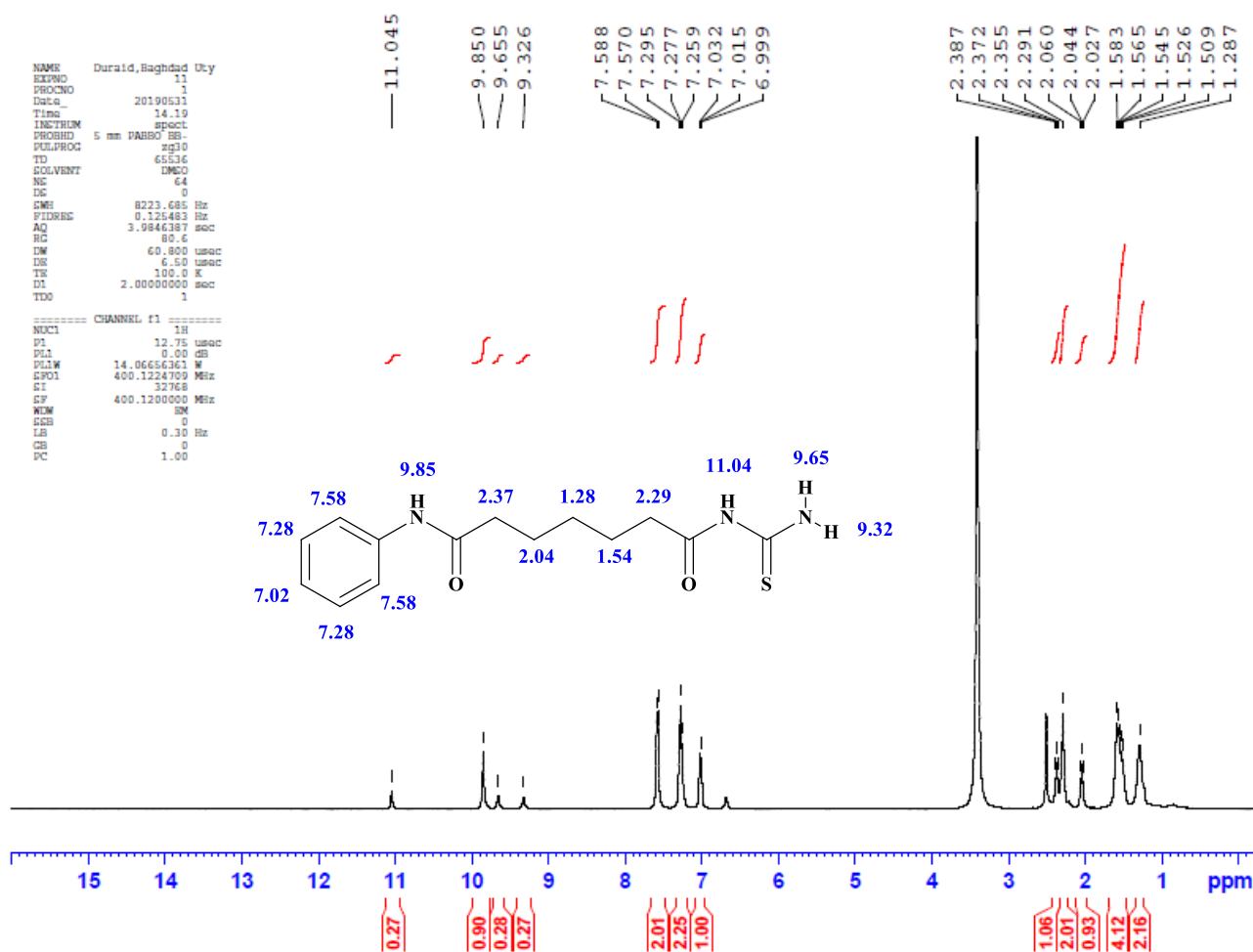


Figure S8: ^1H -NMR spectrum of *N*-pimeloyl monoanilide thiourea, **5**

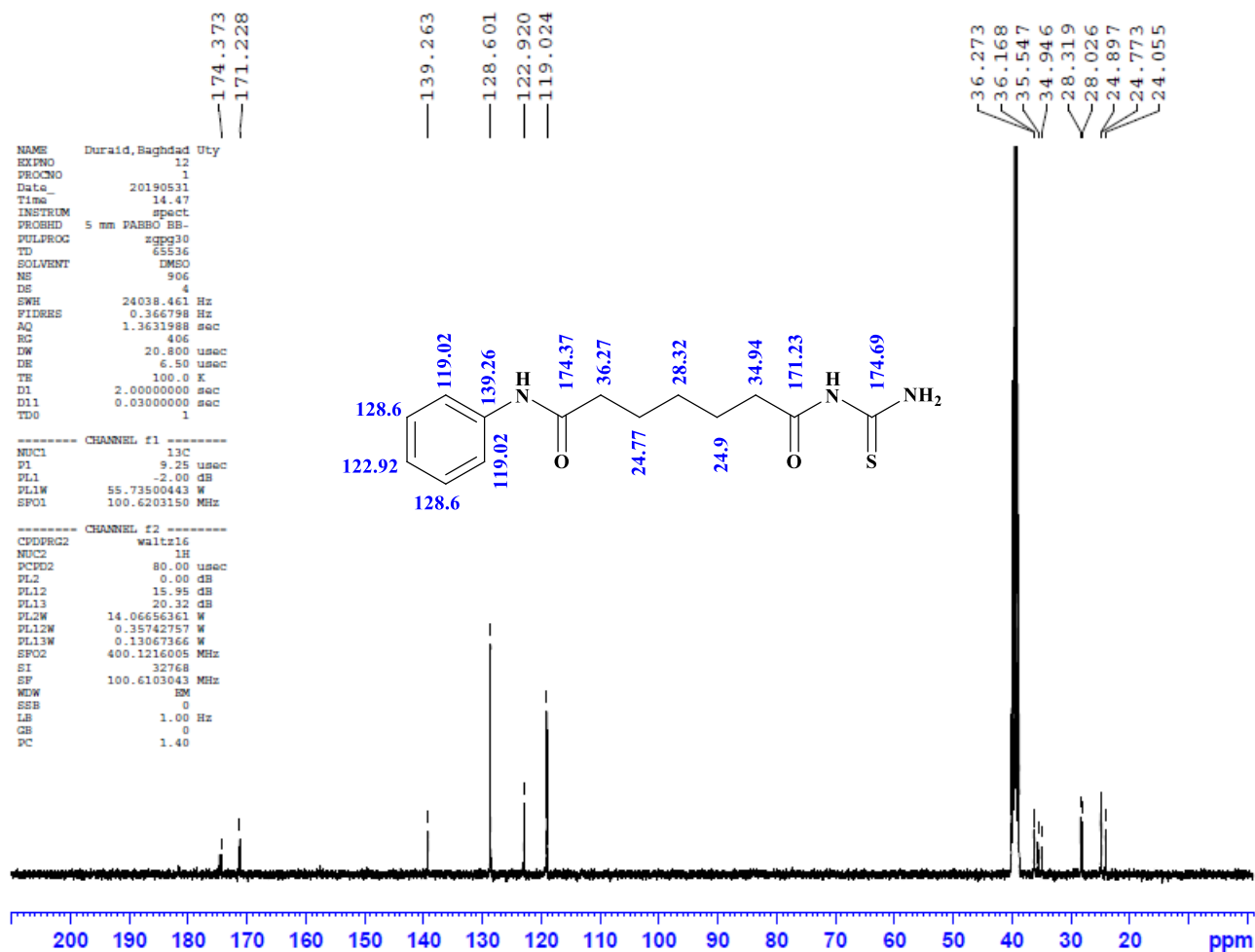


Figure S9: ¹³C-NMR spectrum of *N*-pimeloyl monoanilide thiourea, **5**

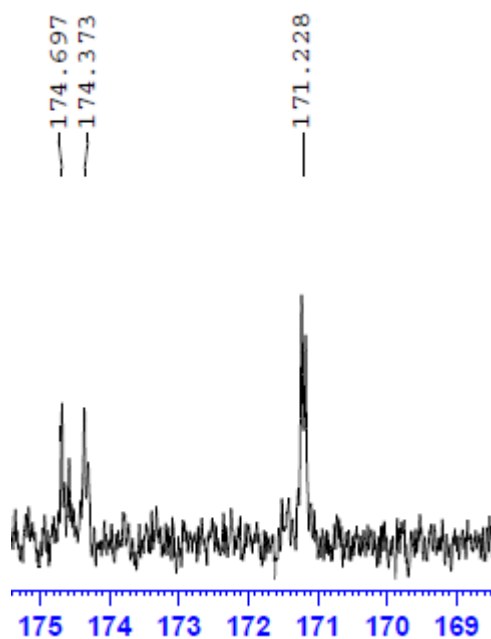


Figure S10: A magnified ¹³C-NMR spectrum of *N*-pimeloyl monoanilide thiourea, **5**