

Supporting Information 2

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

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FT-IR Spectra

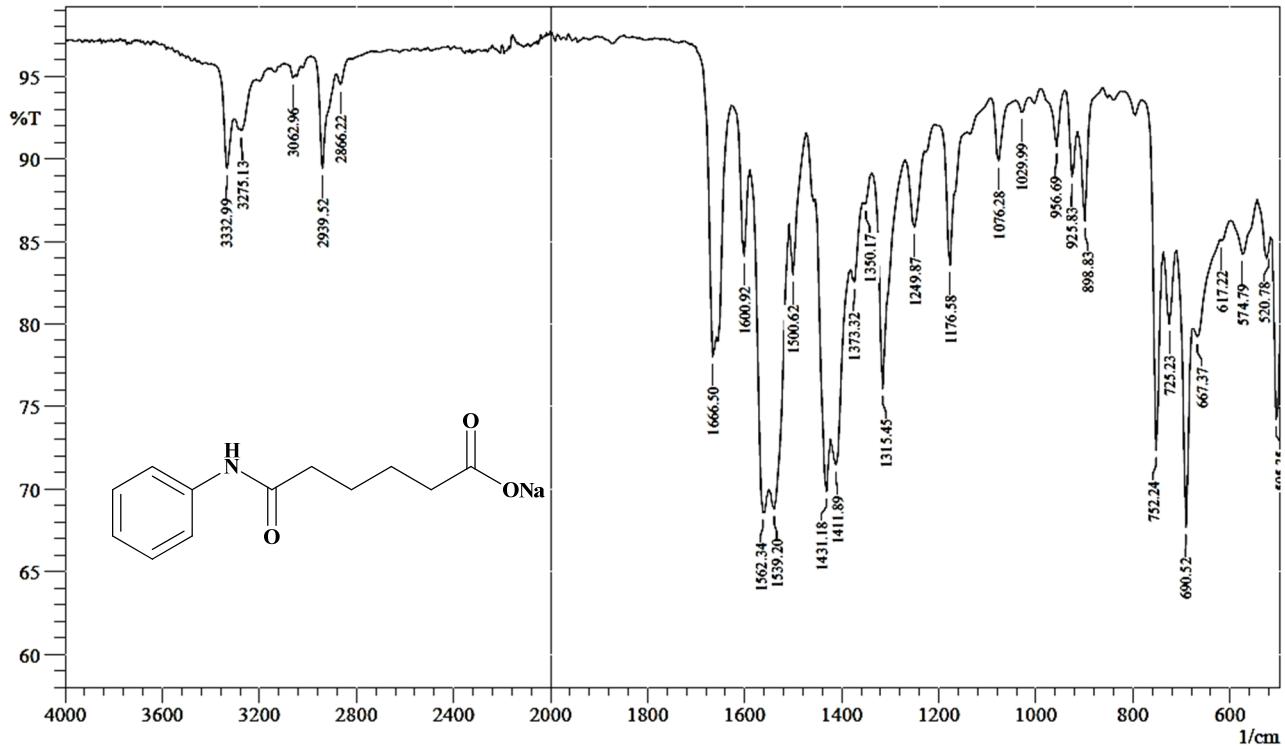


Figure 1: FT-IR spectrum of monosodium adipic monoanilide, **4d**

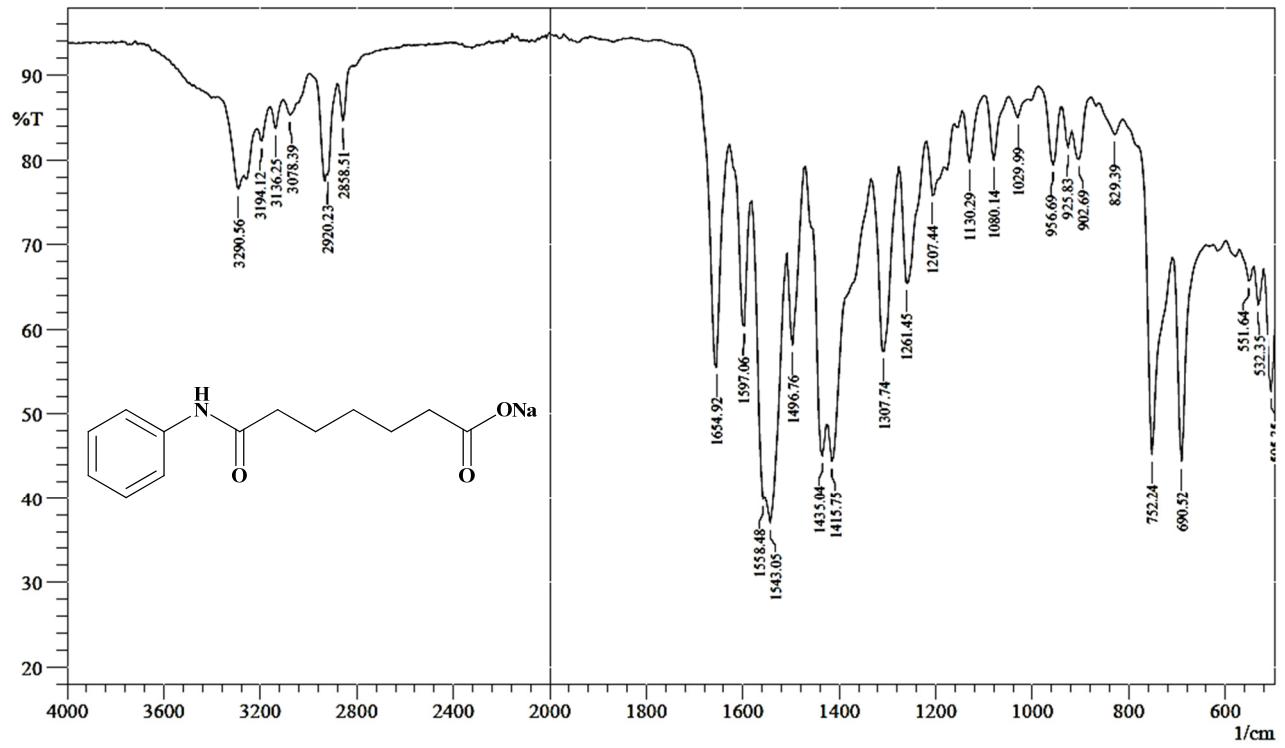


Figure 2: FT-IR spectrum of monosodium pimelic monoanilide, **5d**

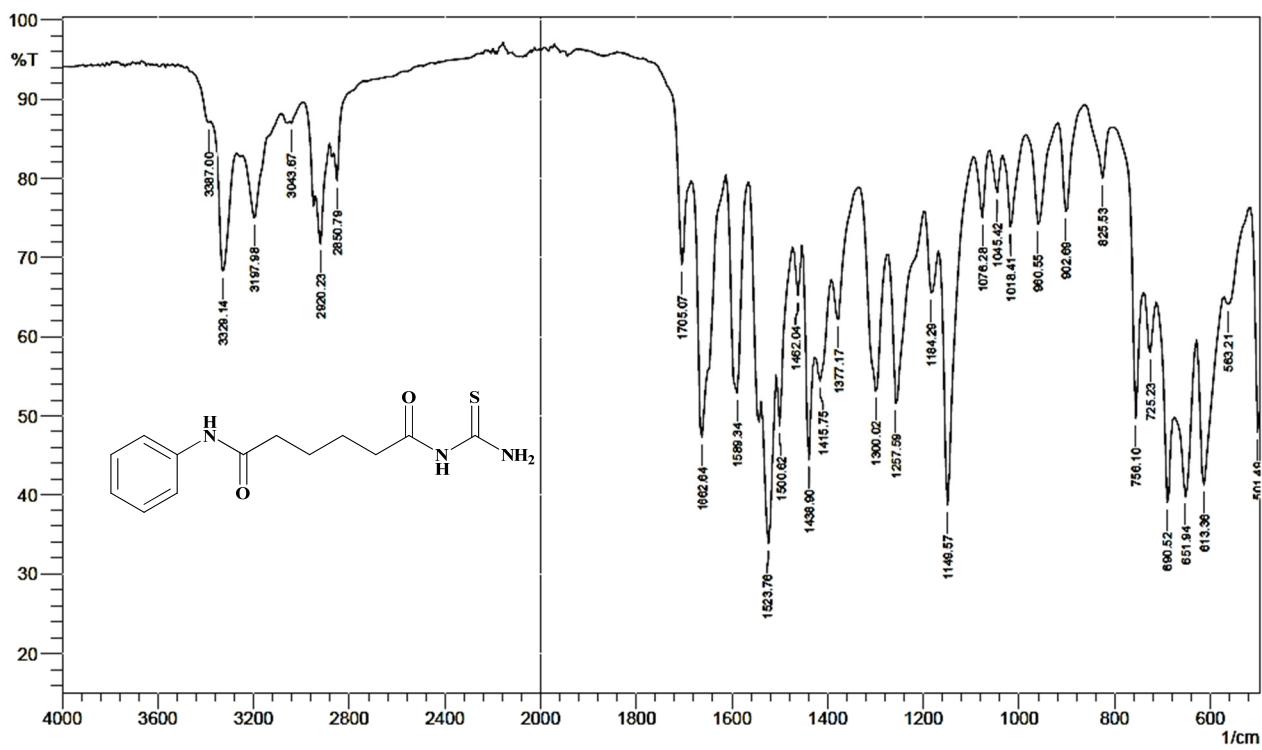


Figure 3: FT-IR spectrum of *N*-adipoyl monoanilide thiourea, 4

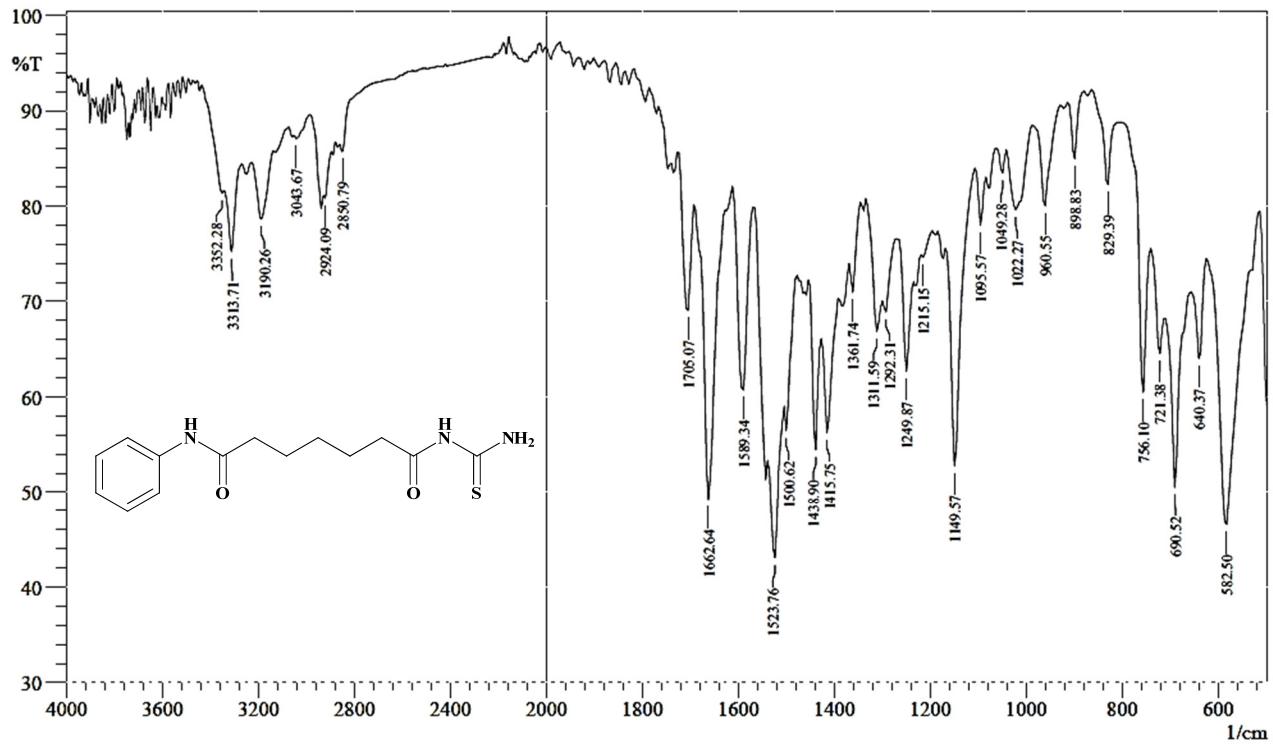


Figure 4: FT-IR spectrum of *N*-pimeloyl monoanilide thiourea, 5

NMR spectra

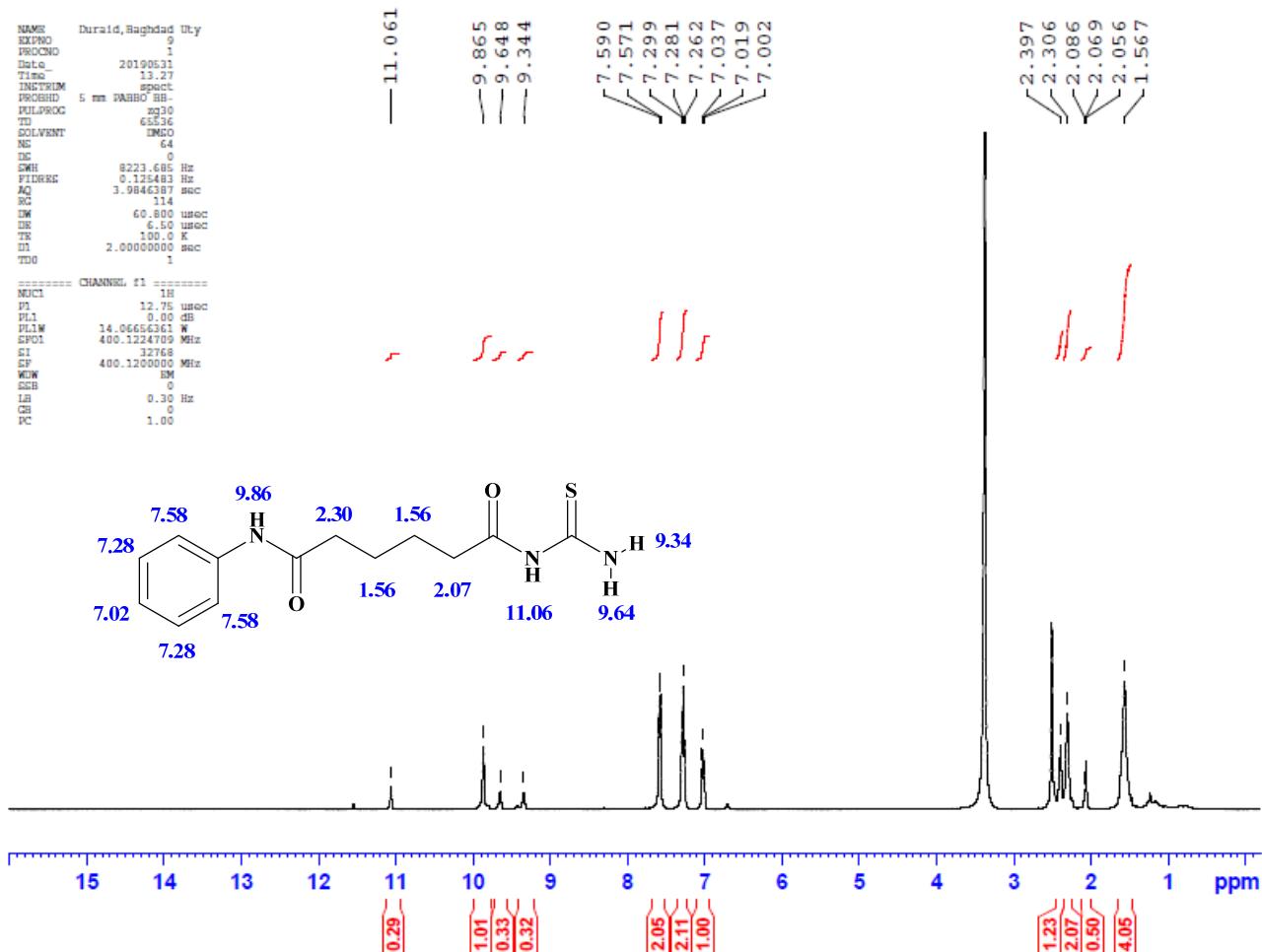


Figure 5: $^1\text{H-NMR}$ spectrum of *N*-adipoyl monoanilide thiourea, 4

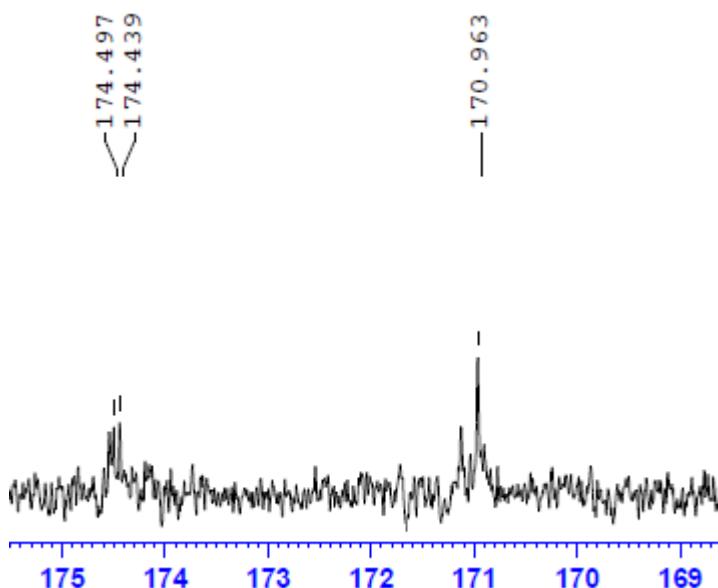
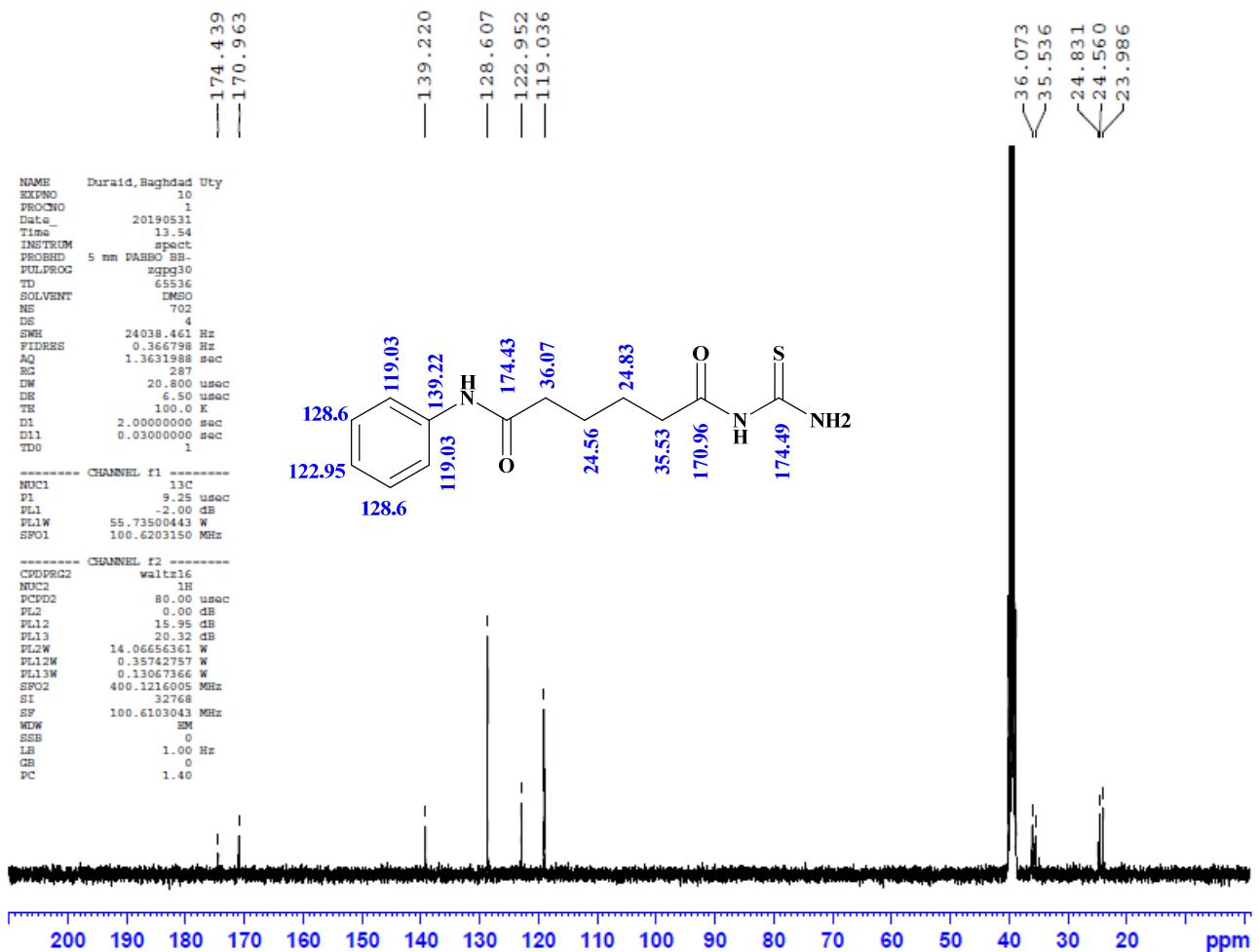


Figure 7: A magnified ^{13}C -NMR spectrum of *N*-adipoyl monoanilide thiourea, 4

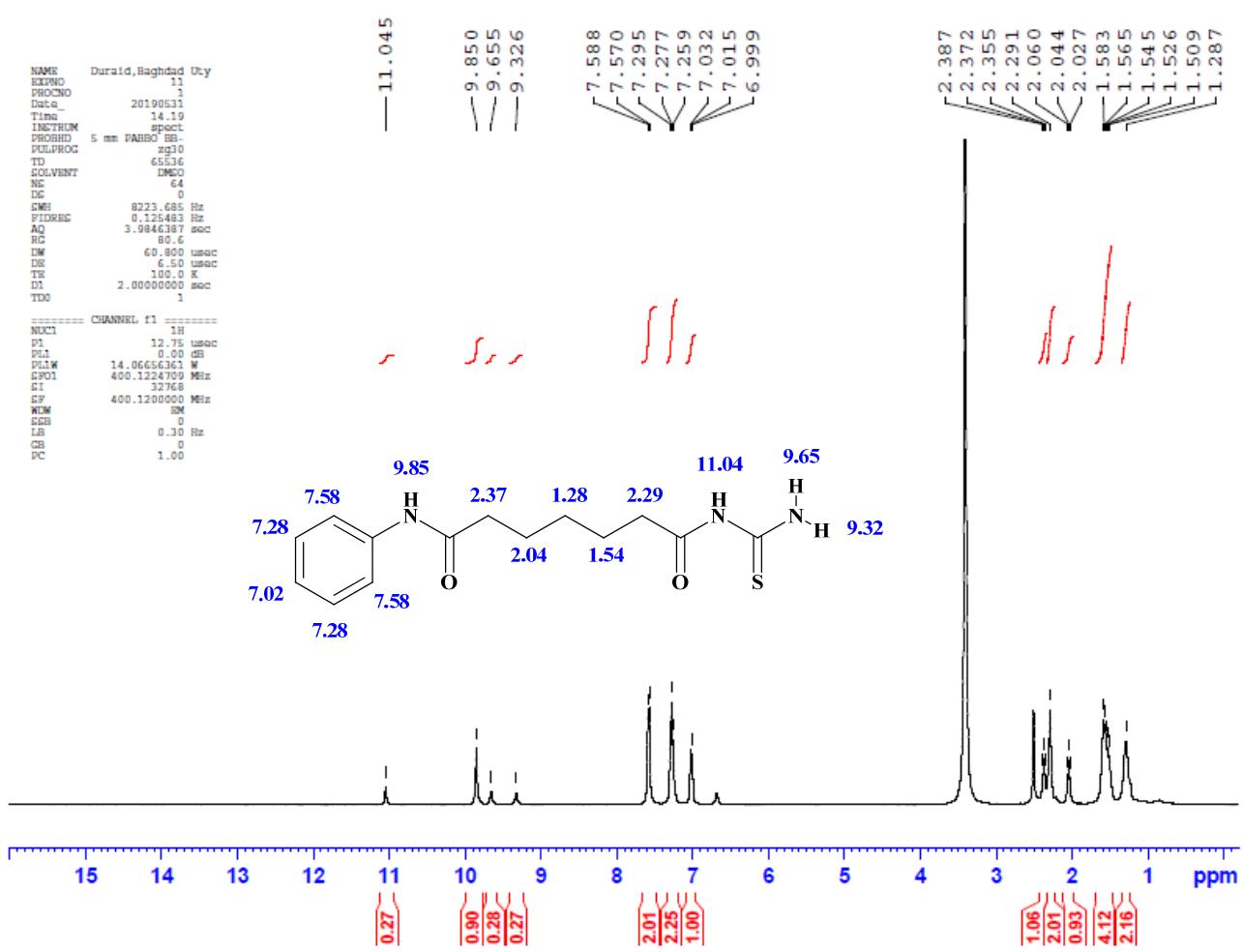


Figure 8: ^1H -NMR spectrum of *N*-pimeloyl monoanilide thiourea, **5**

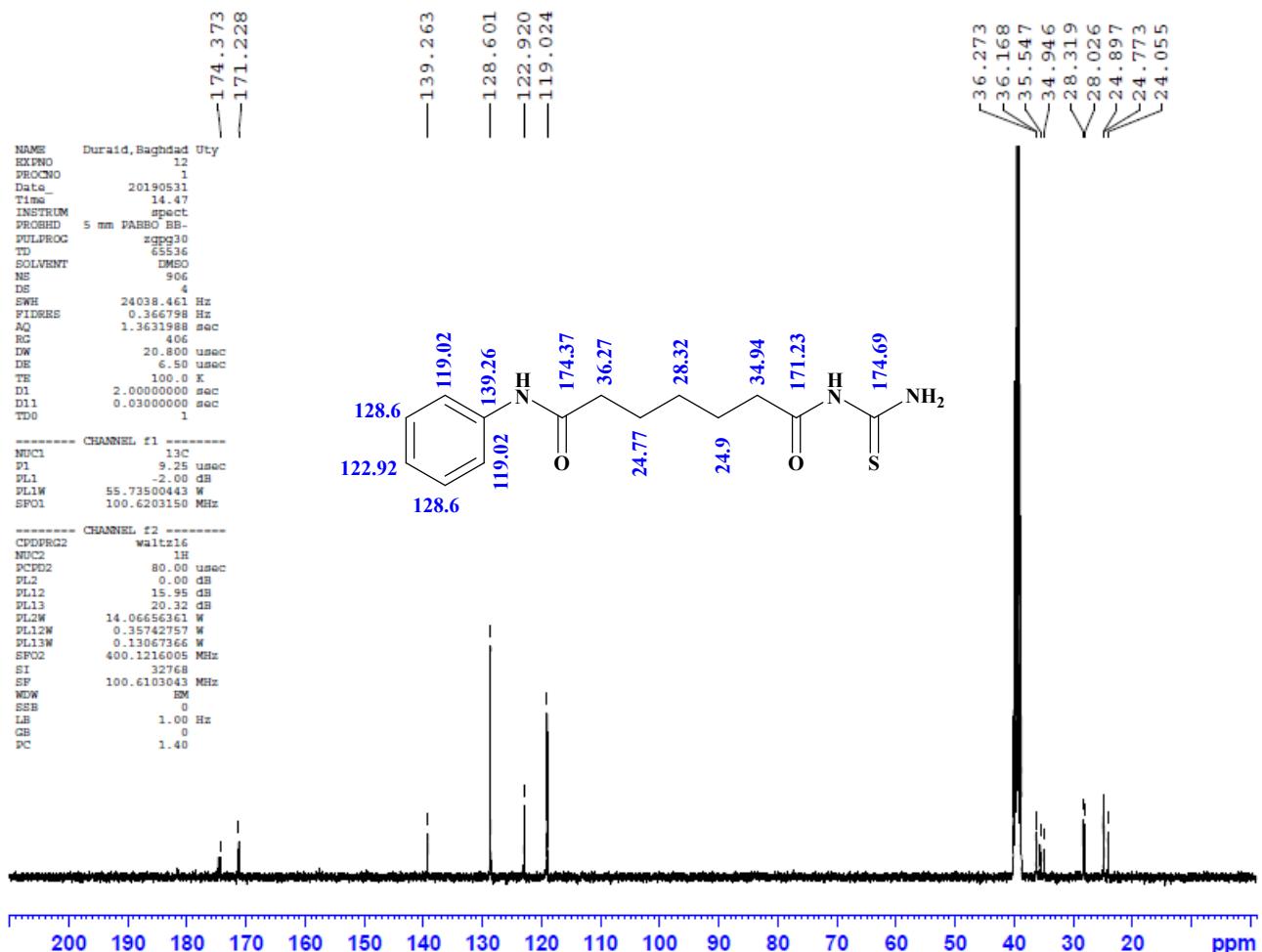


Figure 9: ^{13}C -NMR spectrum of *N*-pimeloyl monoanilide thiourea, **5**

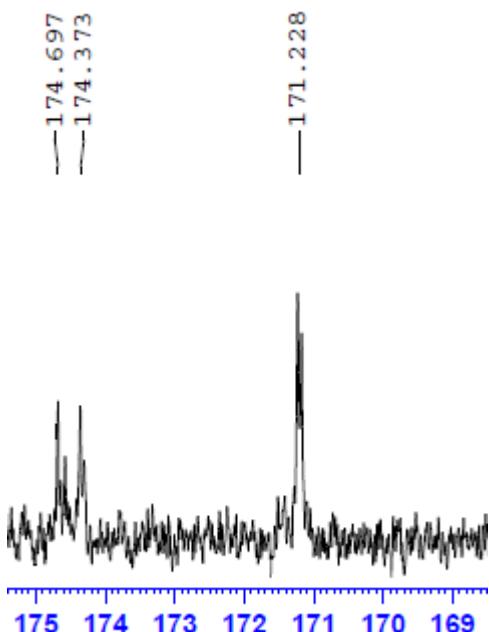


Figure 10: A magnified ^{13}C -NMR spectrum of *N*-pimeloyl monoanilide thiourea, **5**