

Supplementary Material

Synthesis of 4-alkylamino-6-arylamino-5-nitrosopyrimidines *via* intramolecular oxidation-reduction reactions of *N*-alkyl-*N*-(6-arylamino-5-nitropyrimidin-4-yl)glycinates

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Table of Contents

- | | |
|---|----|
| 1. ^1H and ^{13}C NMR spectra of 4-alkylamino-6-arylamino-5-nitrosopyrimidines 15-18 | S2 |
|---|----|

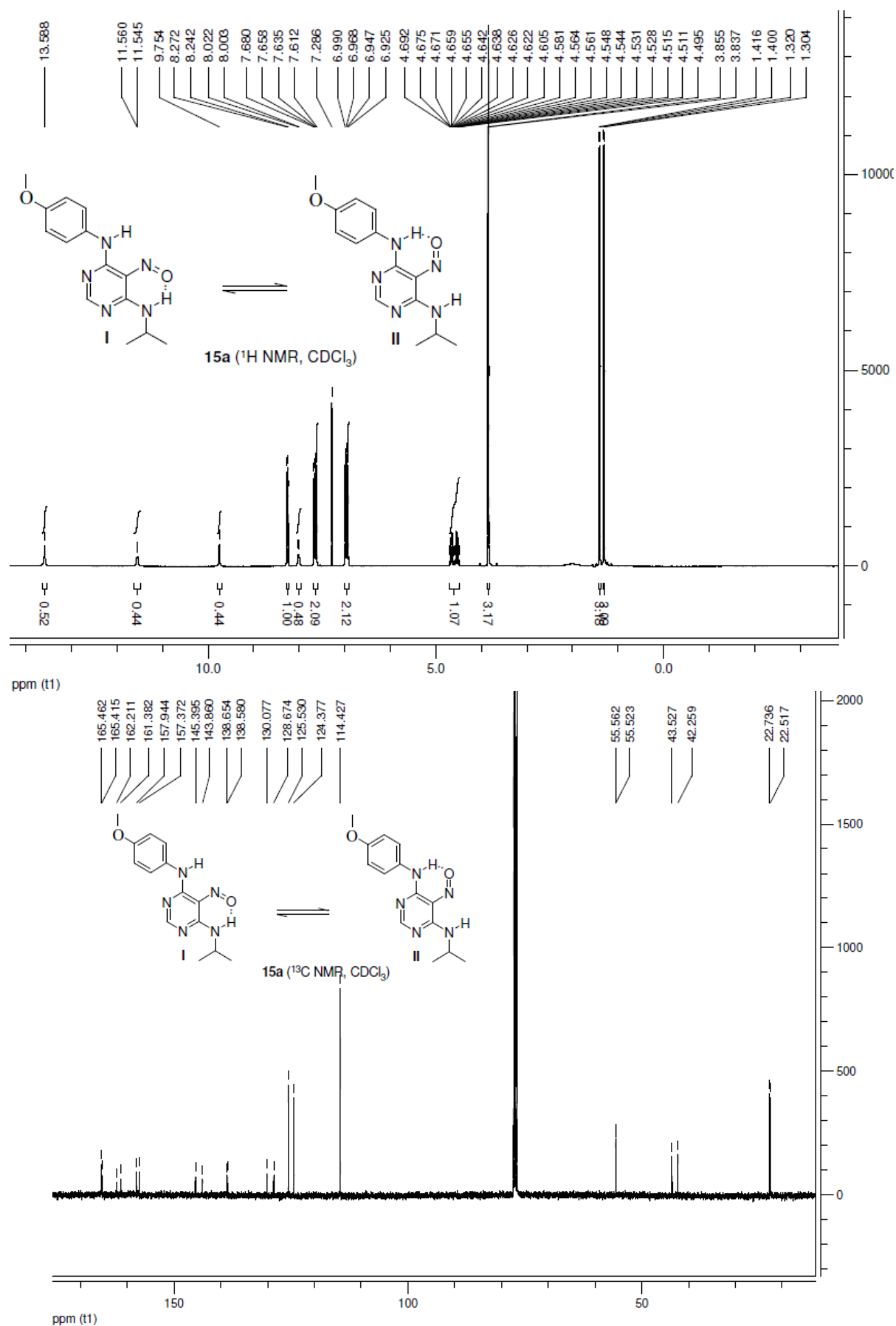


Figure S1. ¹H and ¹³C NMR spectra of *N*-Isopropyl-*N'*-(4-methoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (15a)

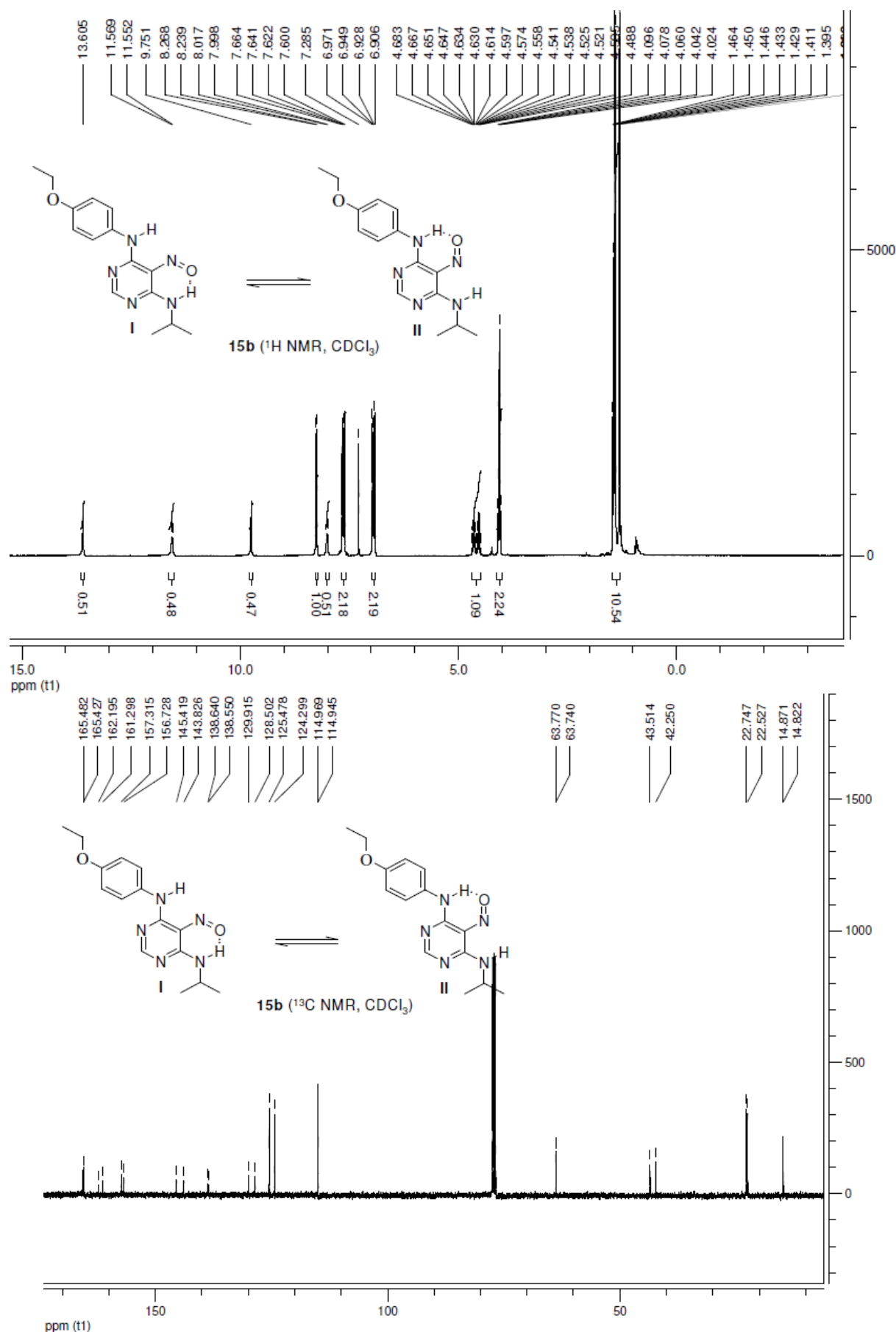


Figure S2. ¹H and ¹³C NMR spectra of *N*-(4-Ethoxyphenyl)-*N'*-isopropyl-5-nitrosopyrimidine-4,6-diamine (**15b**)

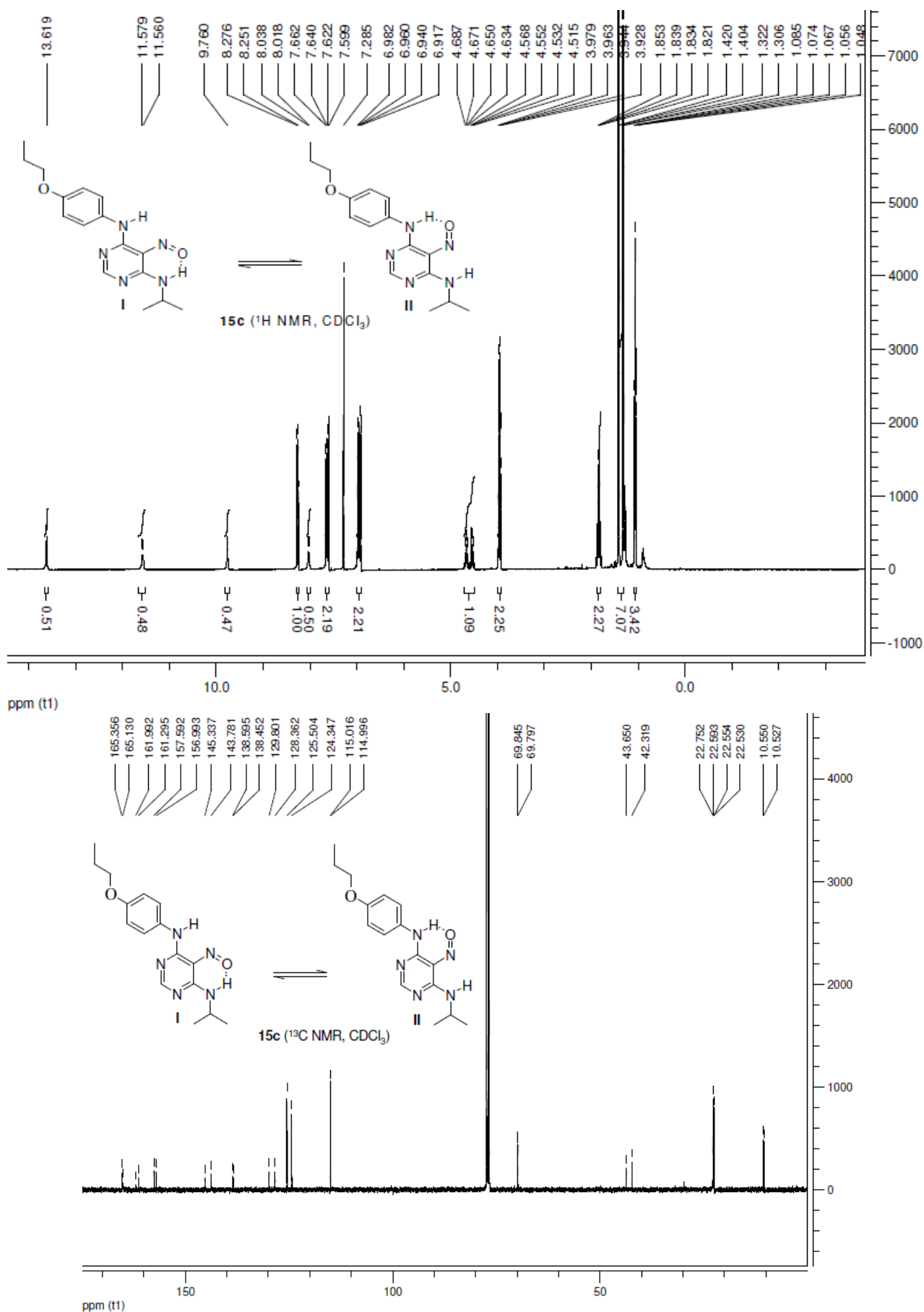


Figure S3. ^1H and ^{13}C NMR spectra of *N*-Isopropyl-5-nitroso-*N'*-(4-propyloxyphenyl)pyrimidine-4,6-diamine (**15c**)

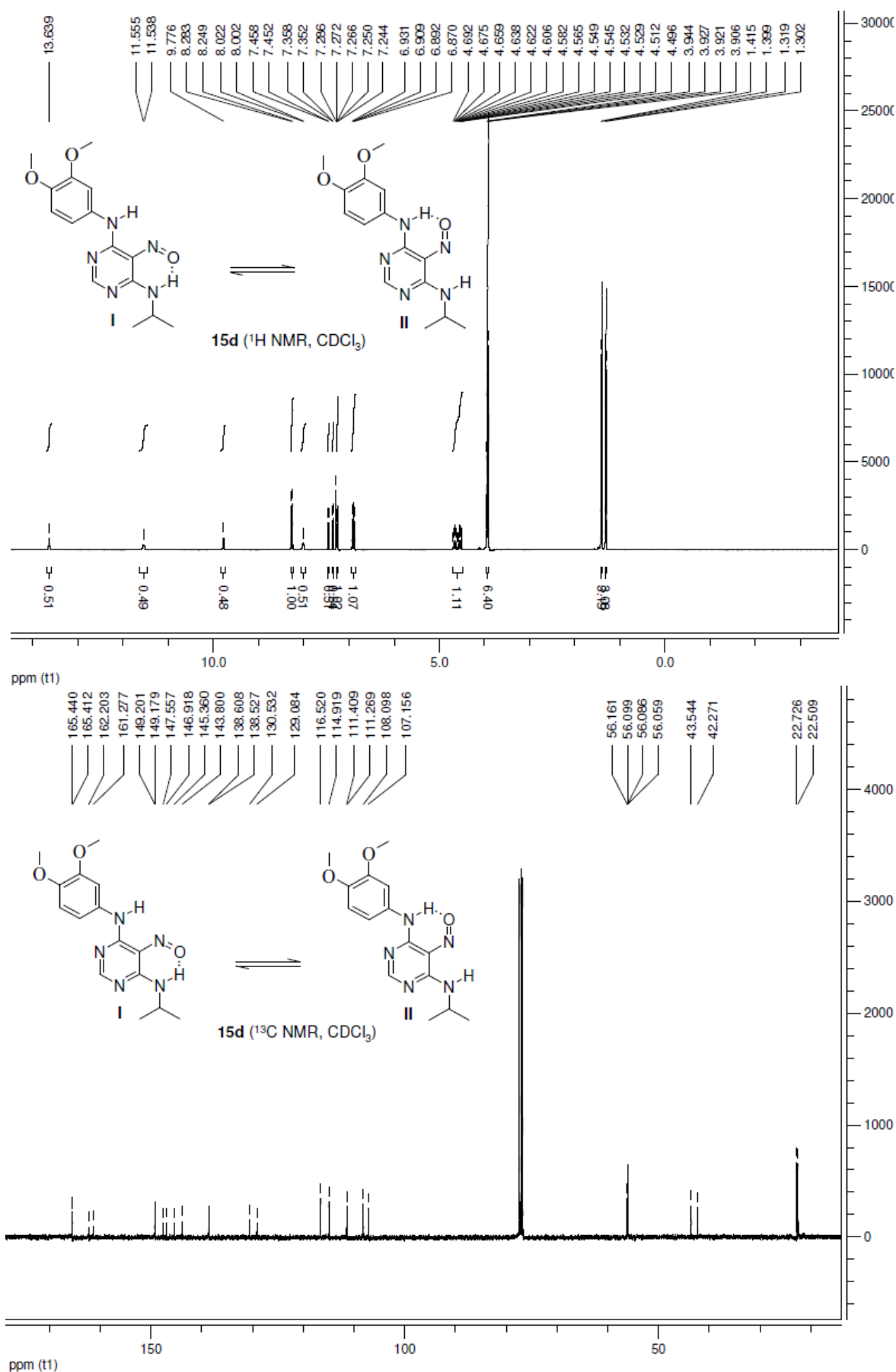
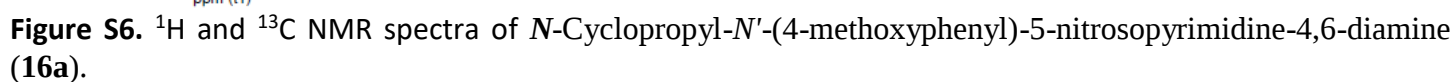


Figure S4. ¹H and ¹³C NMR spectra of *N*-Isopropyl-*N'*-(3,4-dimethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (15d).





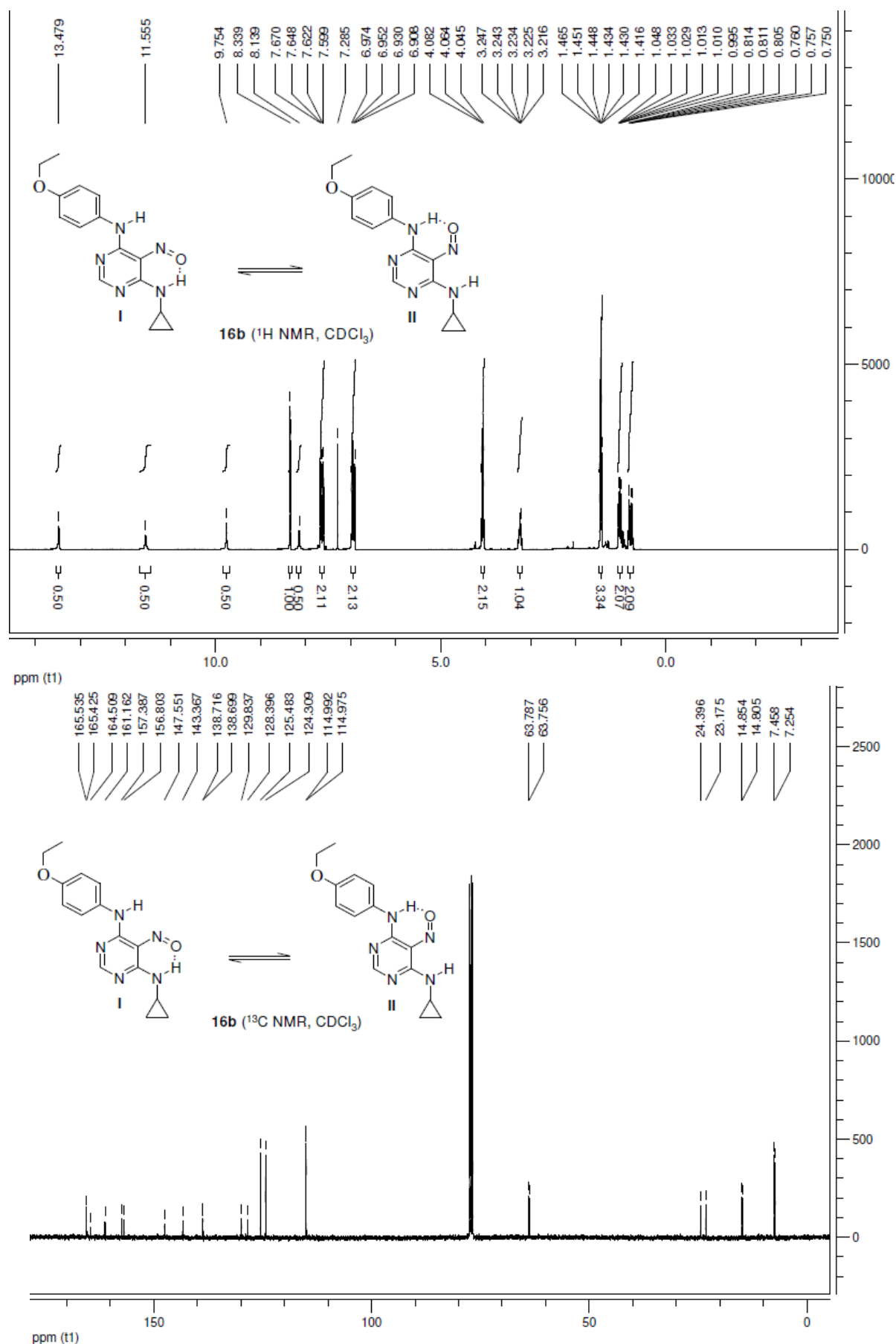


Figure S7. ^1H and ^{13}C NMR spectra of *N*-Cyclopropyl-*N'*-(4-ethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (16b).

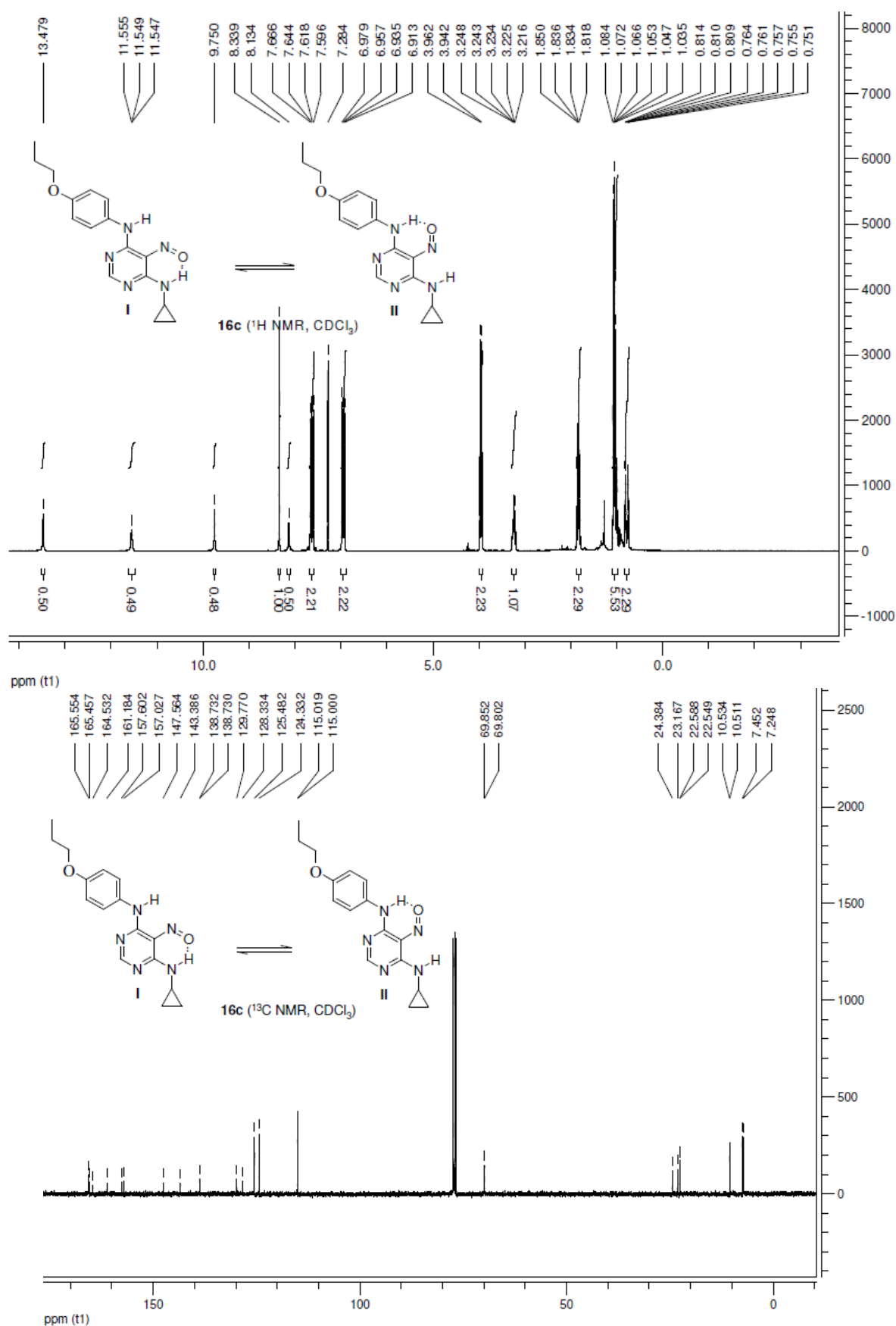


Figure S8. ^1H and ^{13}C NMR spectra of *N*-Cyclopropyl-5-nitroso-*N'*-(4-propyloxyphenyl)pyrimidine-4,6-diamine (16c).

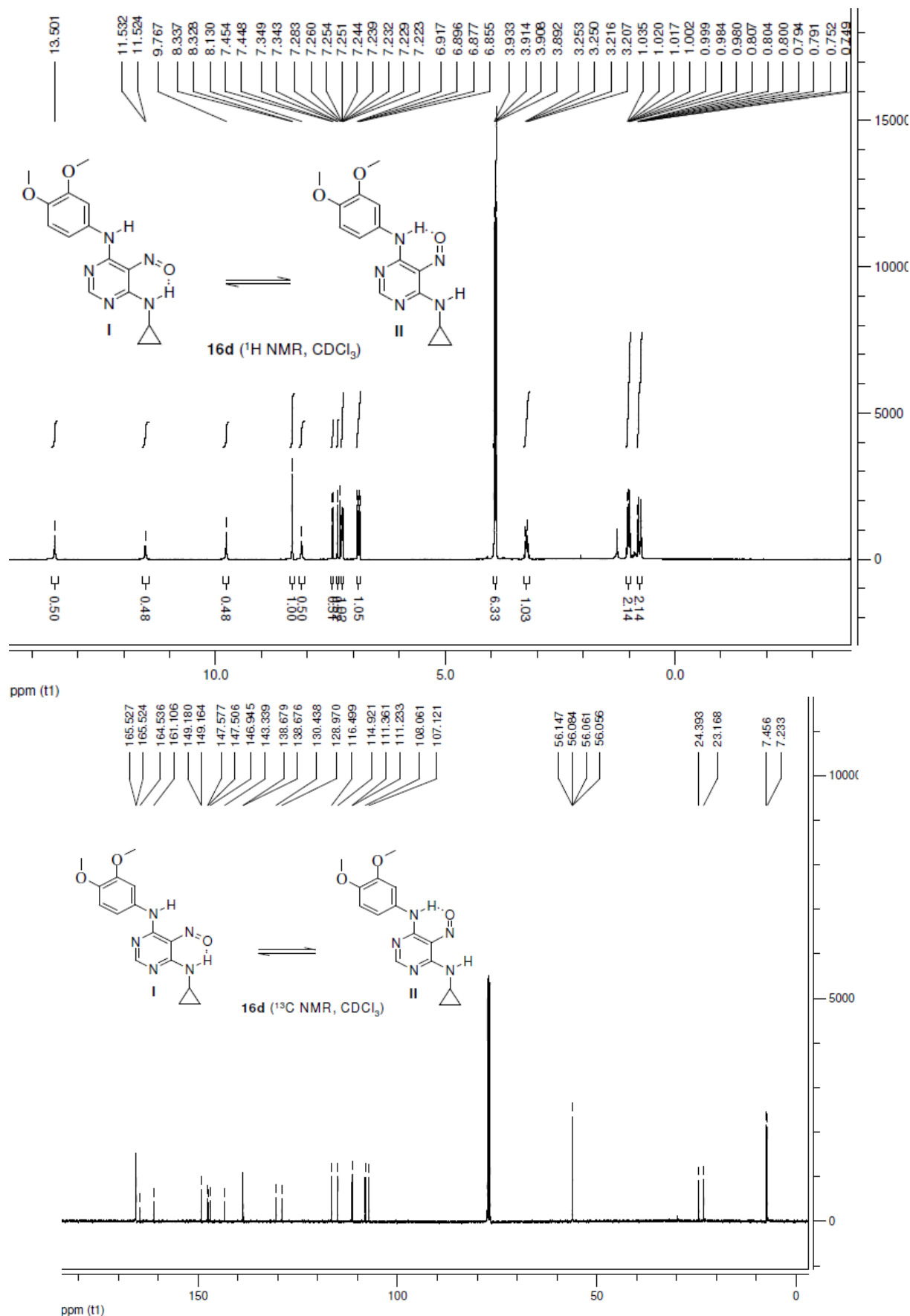


Figure S9. ^1H and ^{13}C NMR spectra of *N*-Cyclopropyl-*N'*-(3,4-dimethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (**16d**).

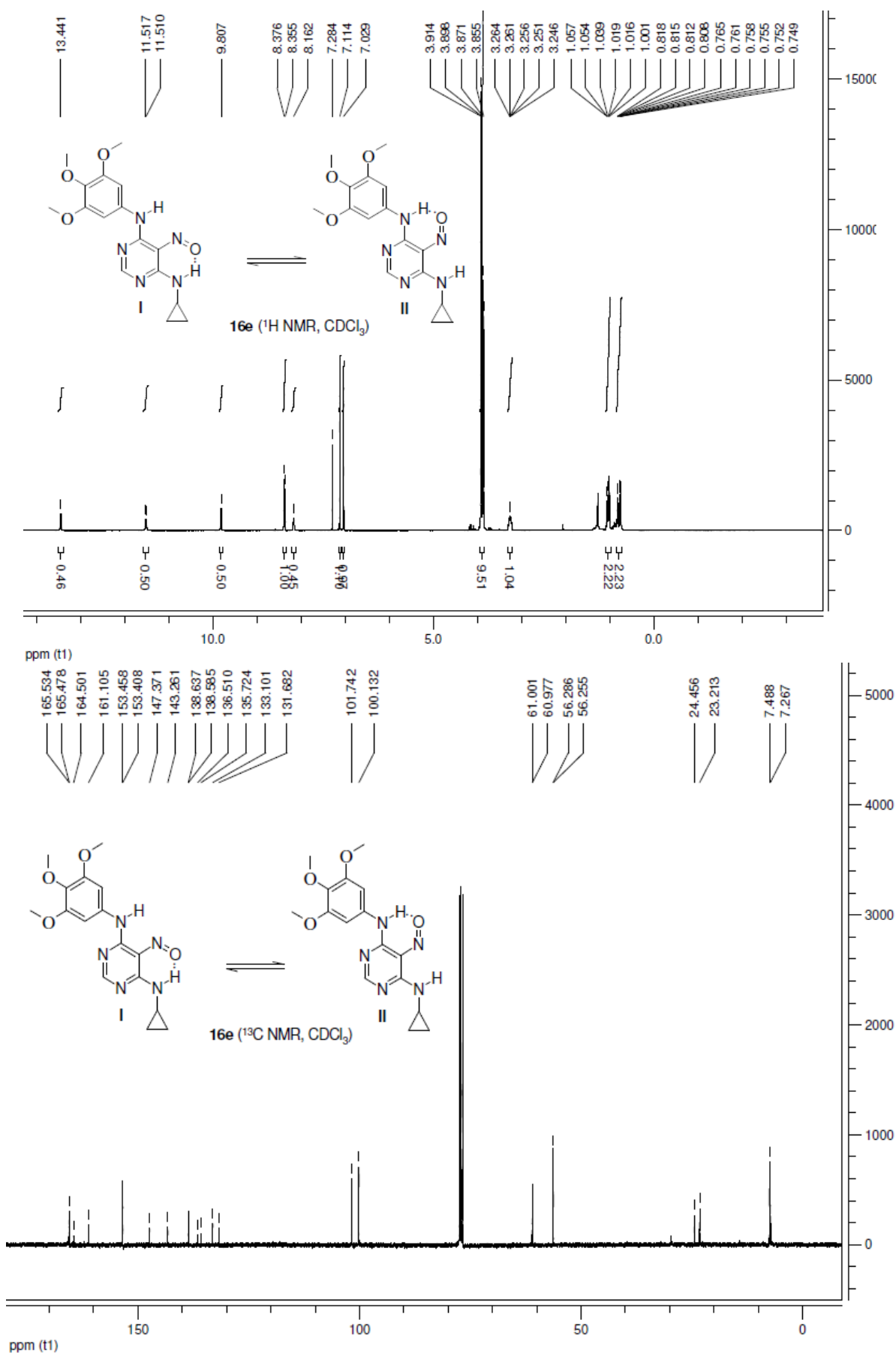


Figure S10. ¹H and ¹³C NMR spectra of *N*-Cyclopropyl-*N'*-(3,4,5-trimethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (**16e**).

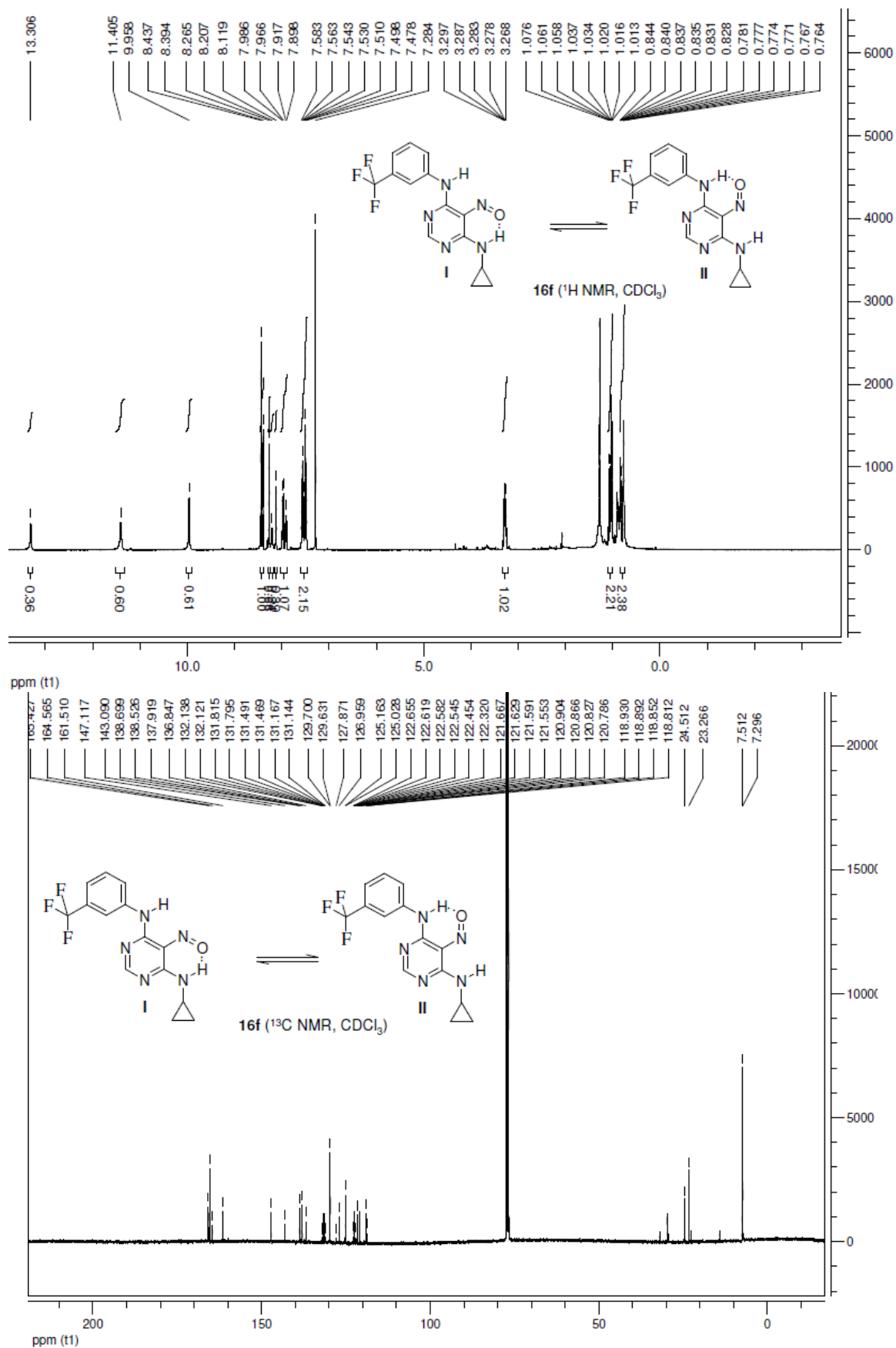


Figure S11. ^1H and ^{13}C NMR spectra of *N*-Cyclopropyl-*N'*-[(3-trifluoromethyl)phenyl]-5-nitrosopyrimidine-4,6-diamine (**16f**).

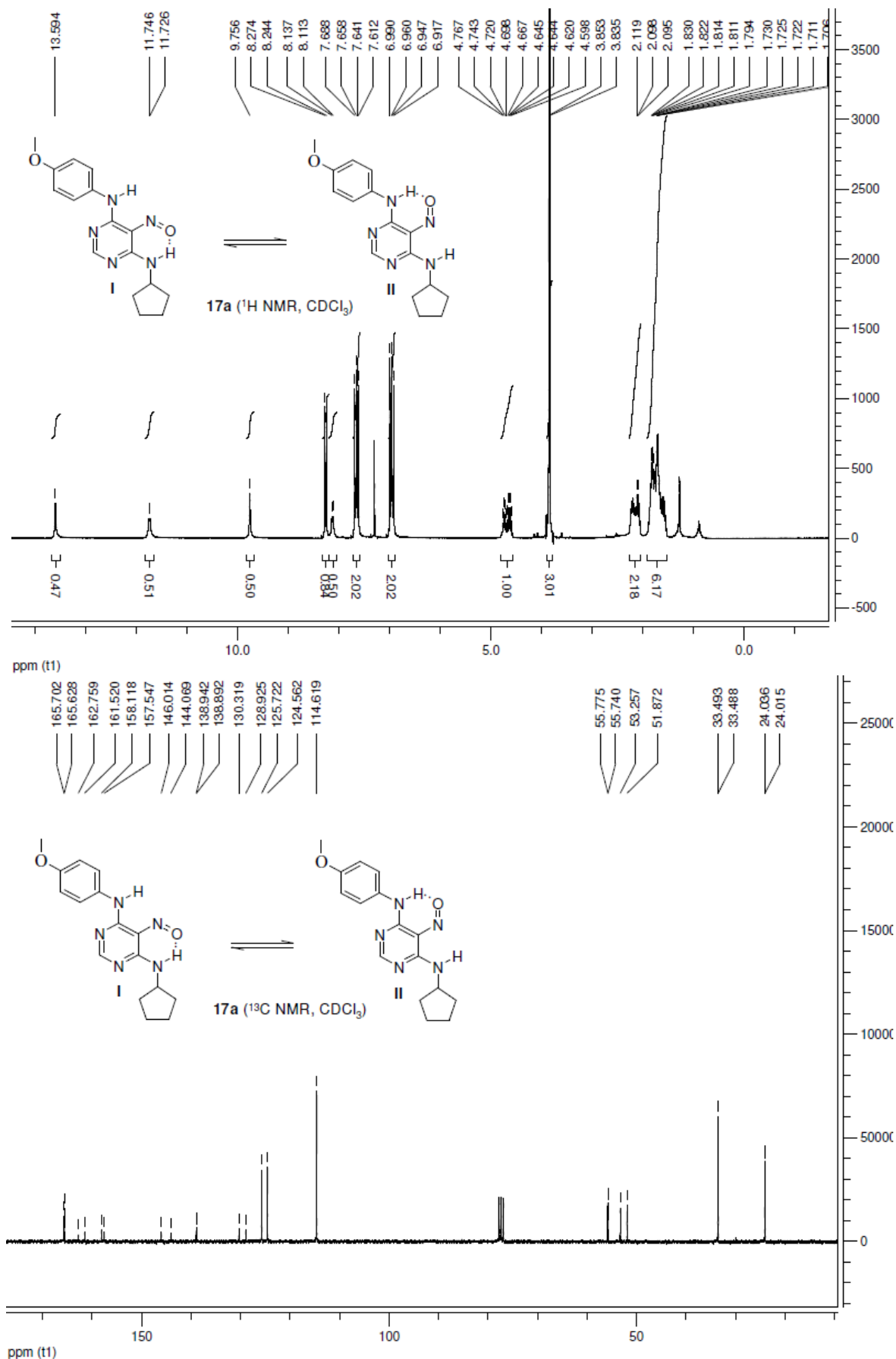


Figure S12. ^1H and ^{13}C NMR spectra of *N*-Cyclopentyl-*N'*-(4-methoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (17a).

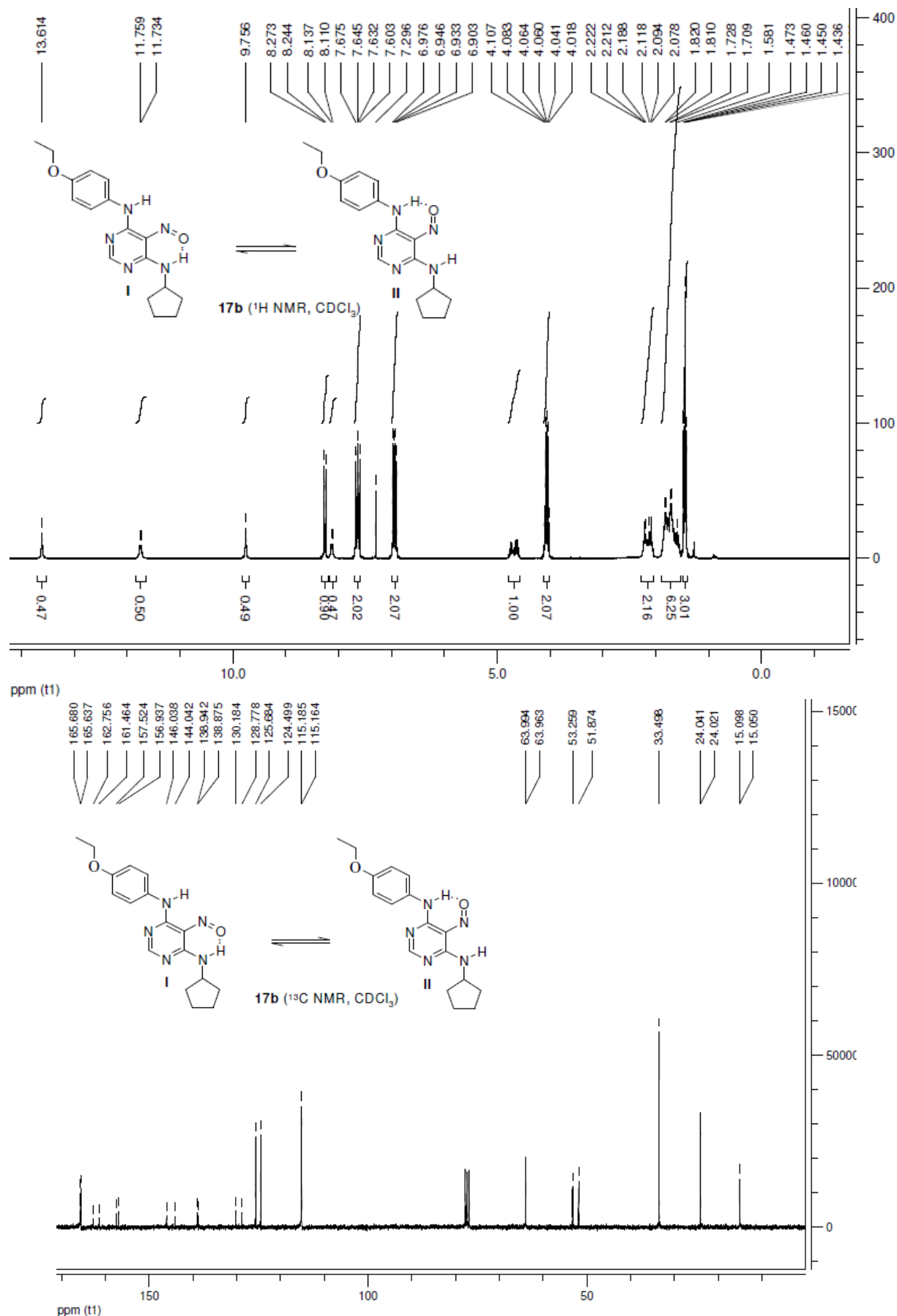


Figure S13. ^1H and ^{13}C NMR spectra of *N*-Cyclopentyl-*N'*-(4-ethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (17b).

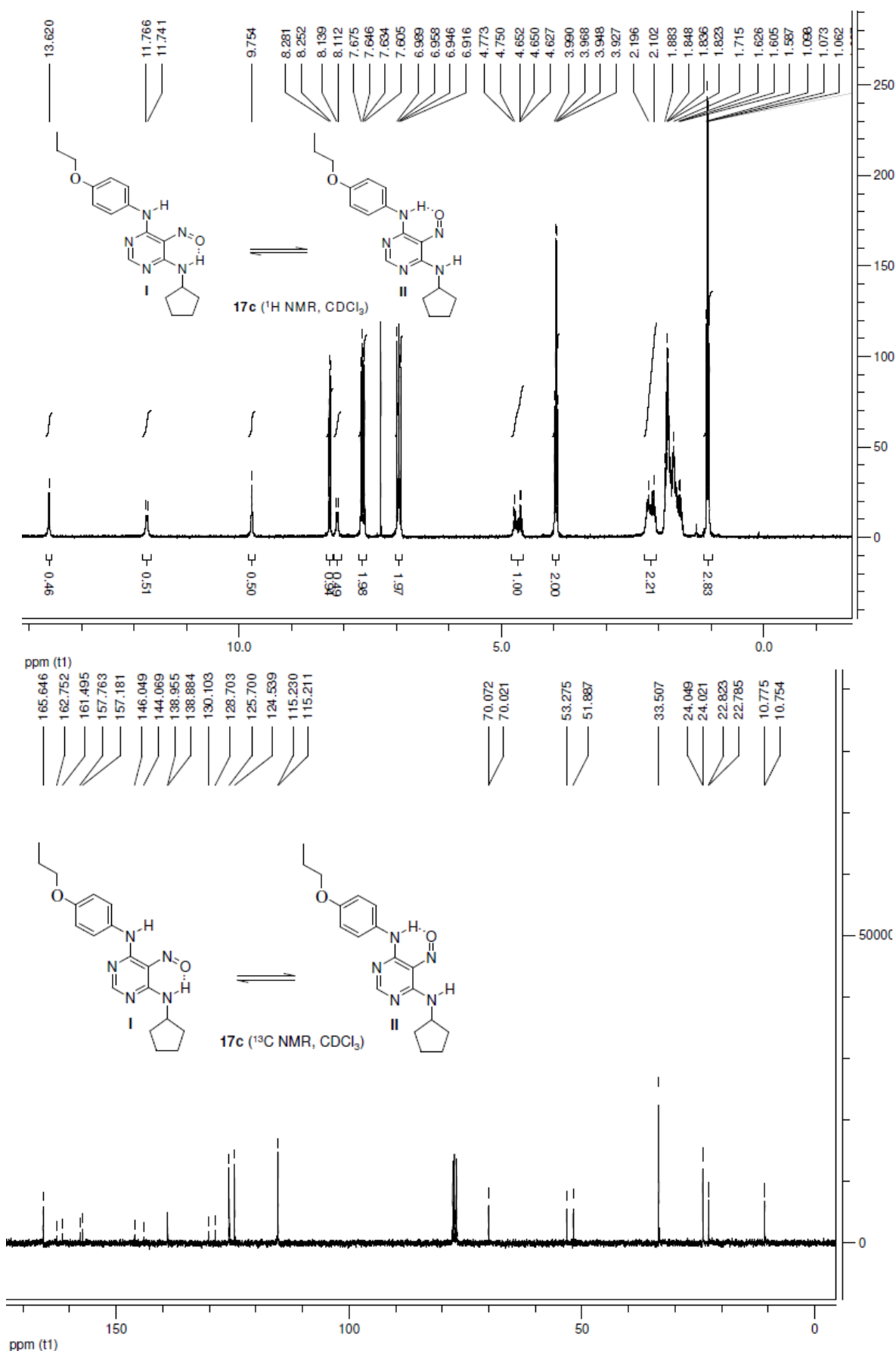


Figure S14. ^1H and ^{13}C NMR spectra of *N*-Cyclopentyl-5-nitroso-*N'*-(4-propyloxyphenyl)pyrimidine-4,6-diamine (17c).

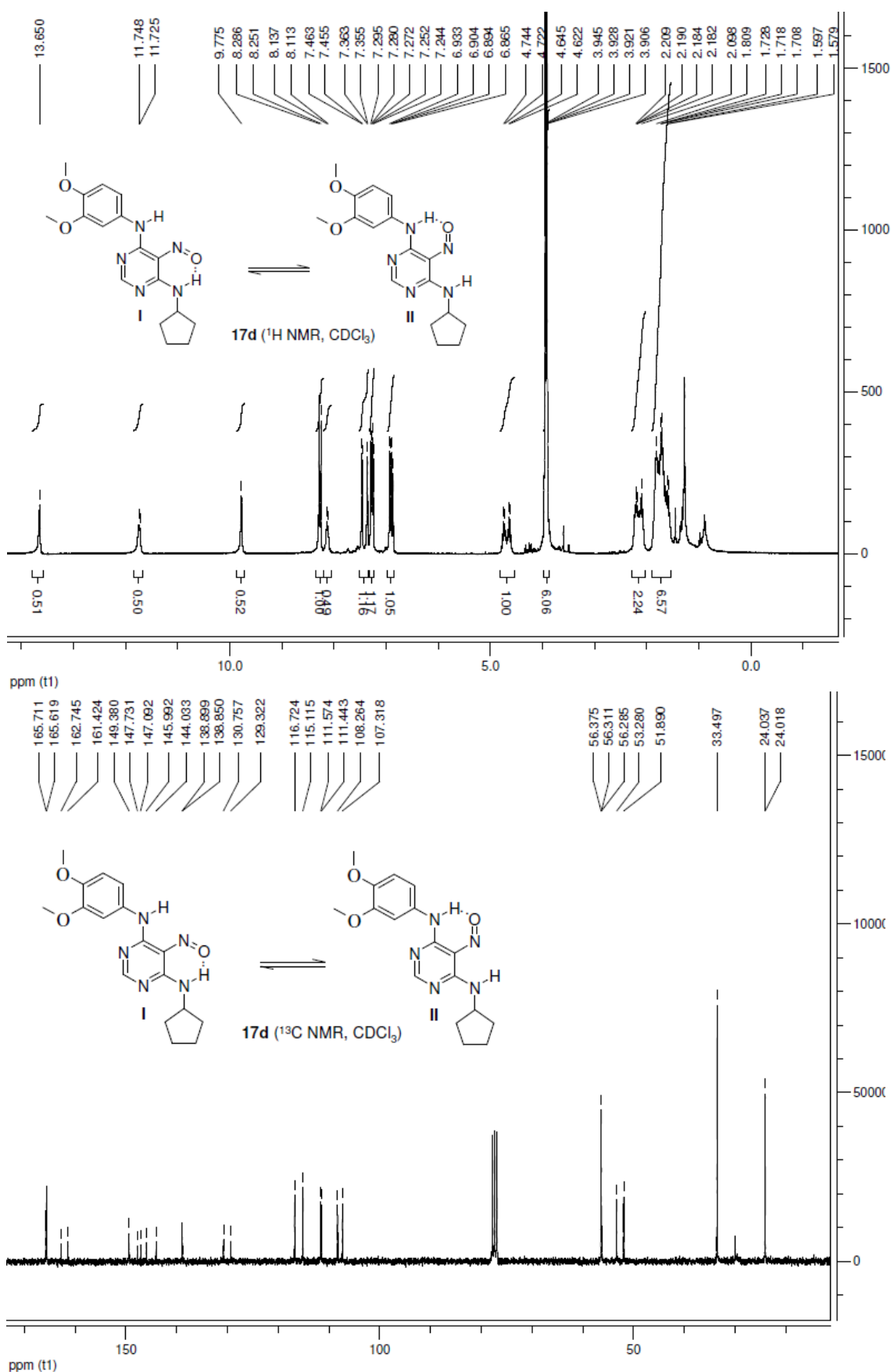


Figure S15. ^1H and ^{13}C NMR spectra of *N*-Cyclopentyl-*N'*-(3,4-dimethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (**17d**).

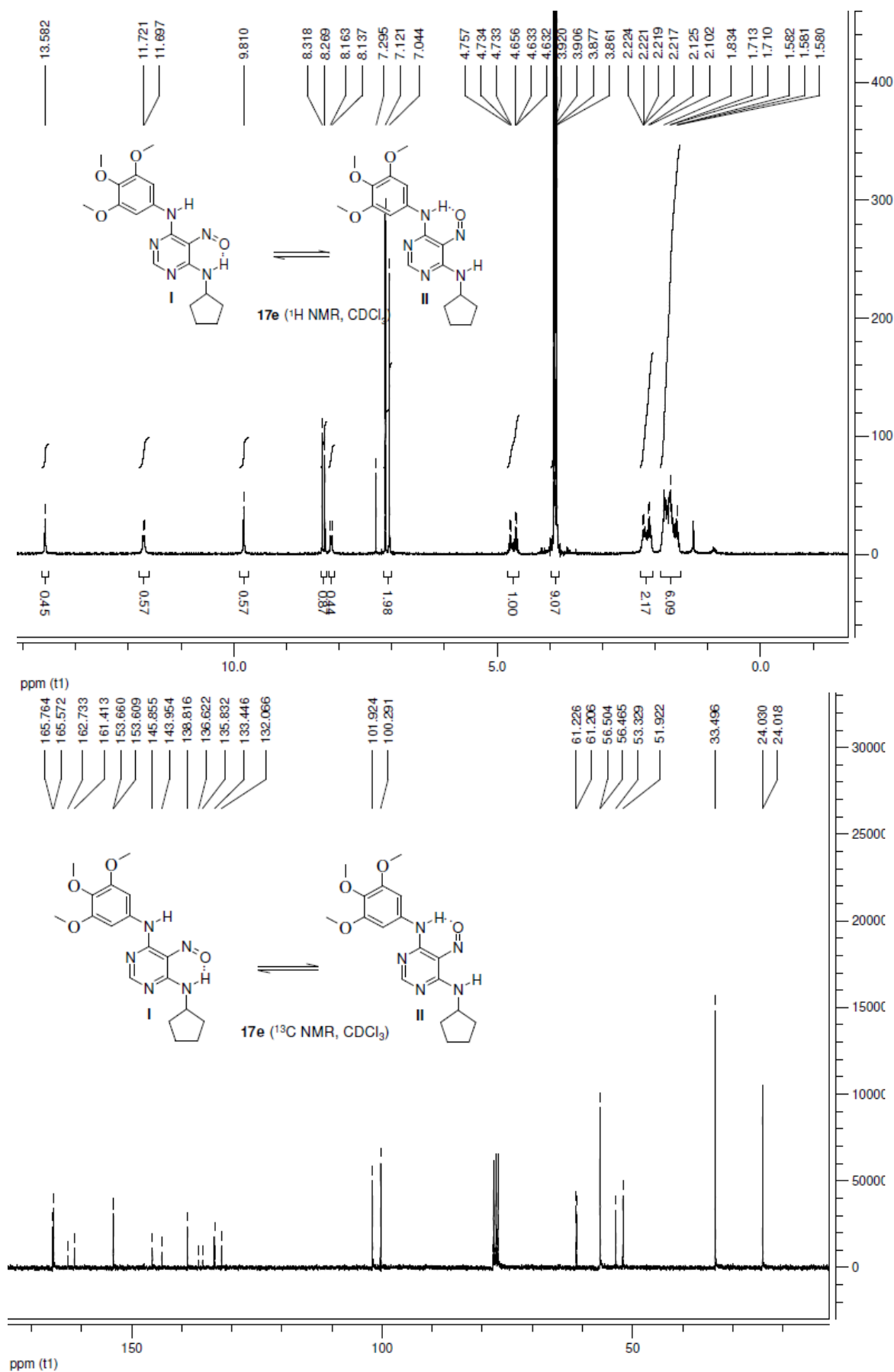


Figure S16. ^1H and ^{13}C NMR spectra of *N*-Cyclopentyl-*N'*-(3,4,5-trimethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (**17e**).

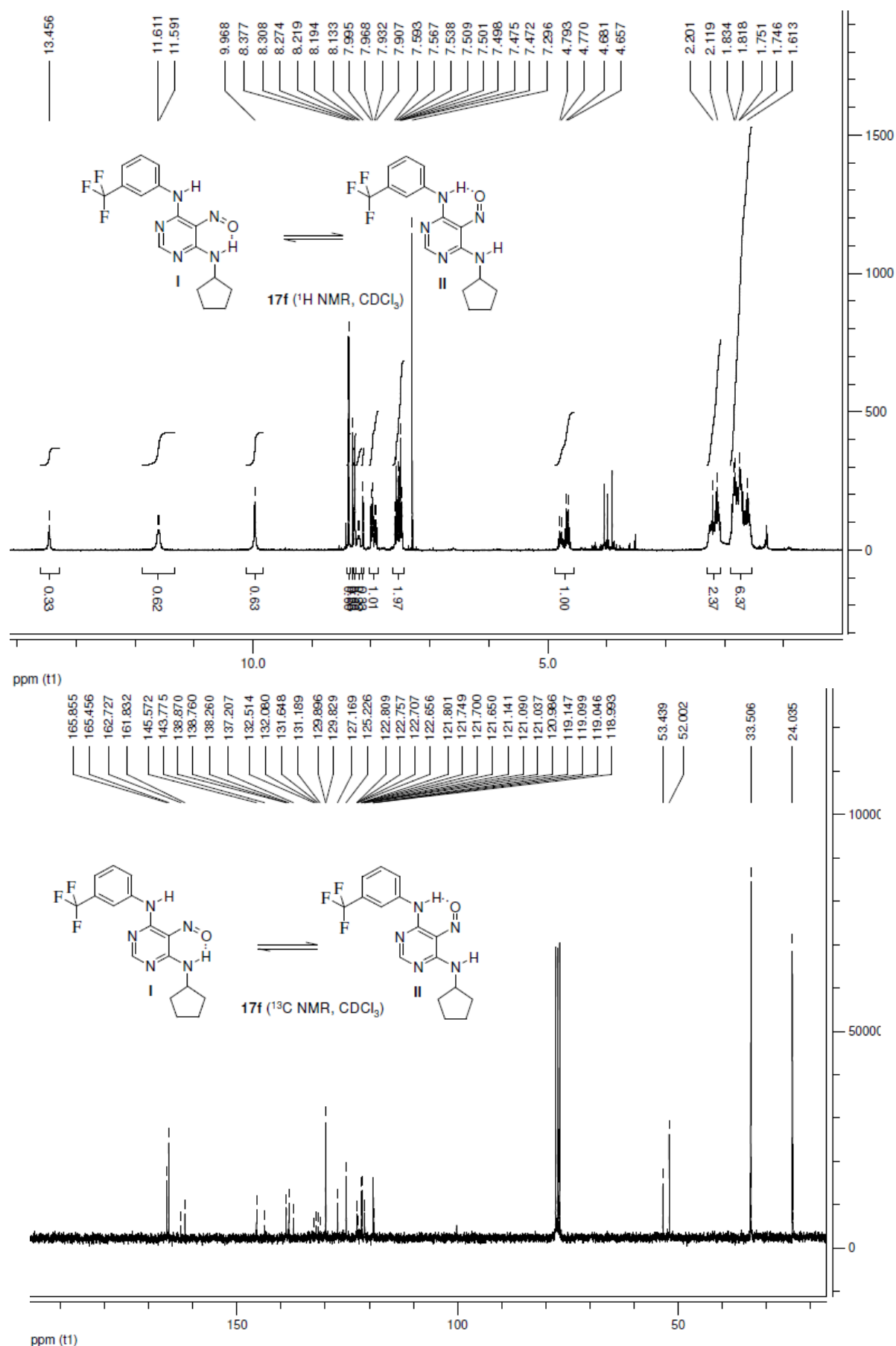


Figure S17. ¹H and ¹³C NMR spectra of *N*-Cyclopentyl-*N'*-[(3-trifluoromethyl)phenyl]-5-nitrosopyrimidine-4,6-diamine (**17f**).

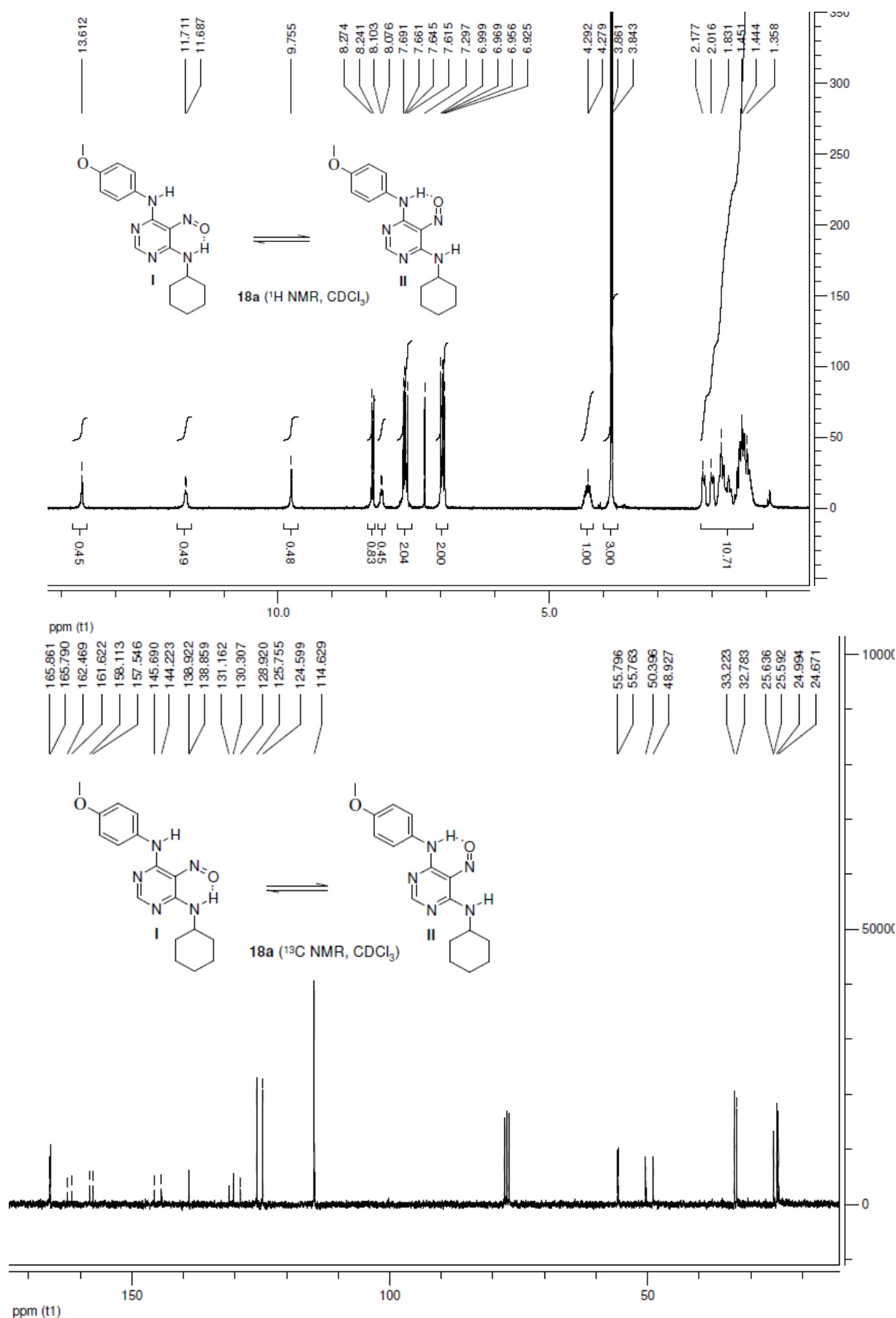


Figure S18. ¹H and ¹³C NMR spectra of *N*-Cyclohexyl-*N'*-(4-methoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (18a).

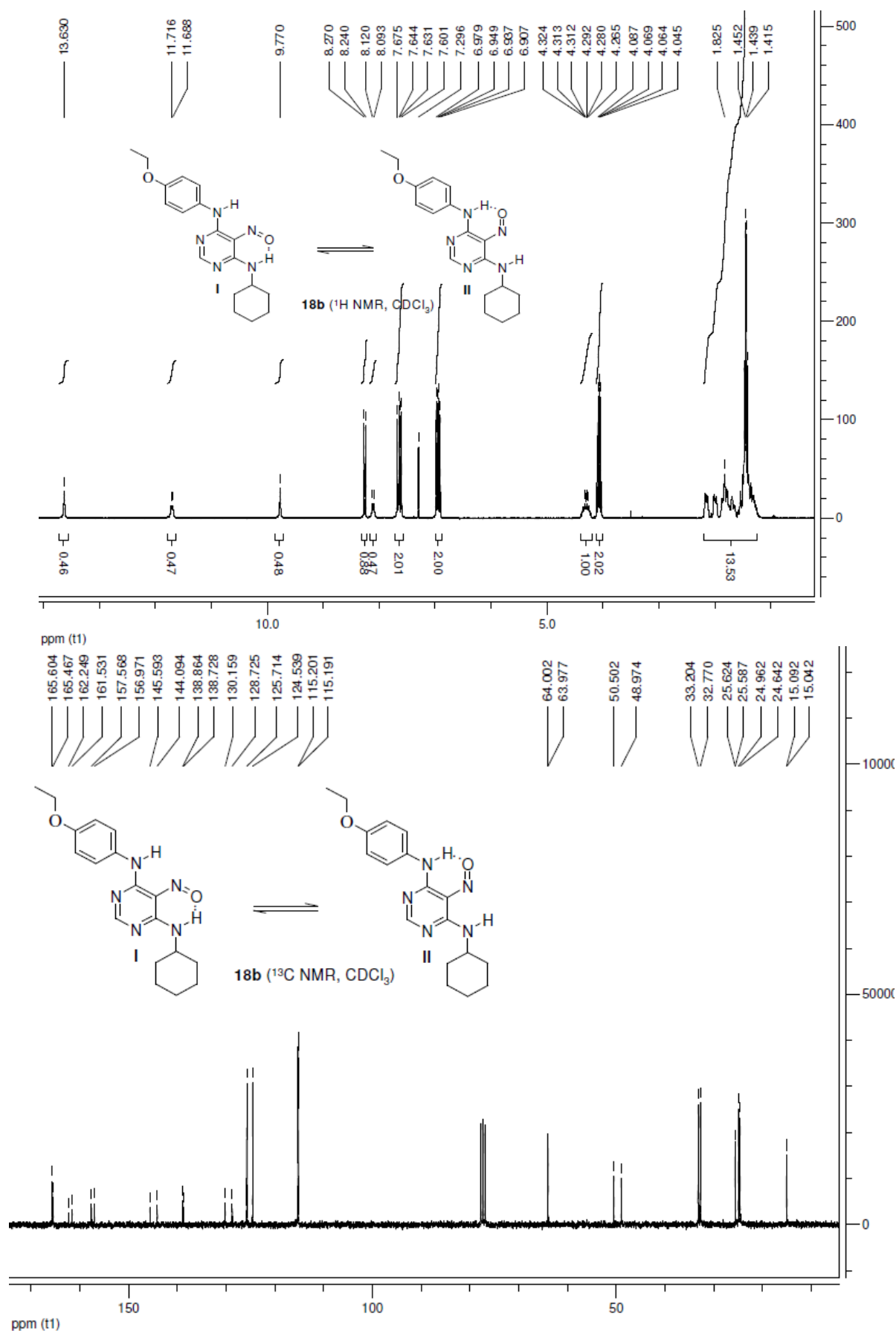


Figure S19. ^1H and ^{13}C NMR spectra of *N*-Cyclohexyl-*N'*-(4-ethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (18b).

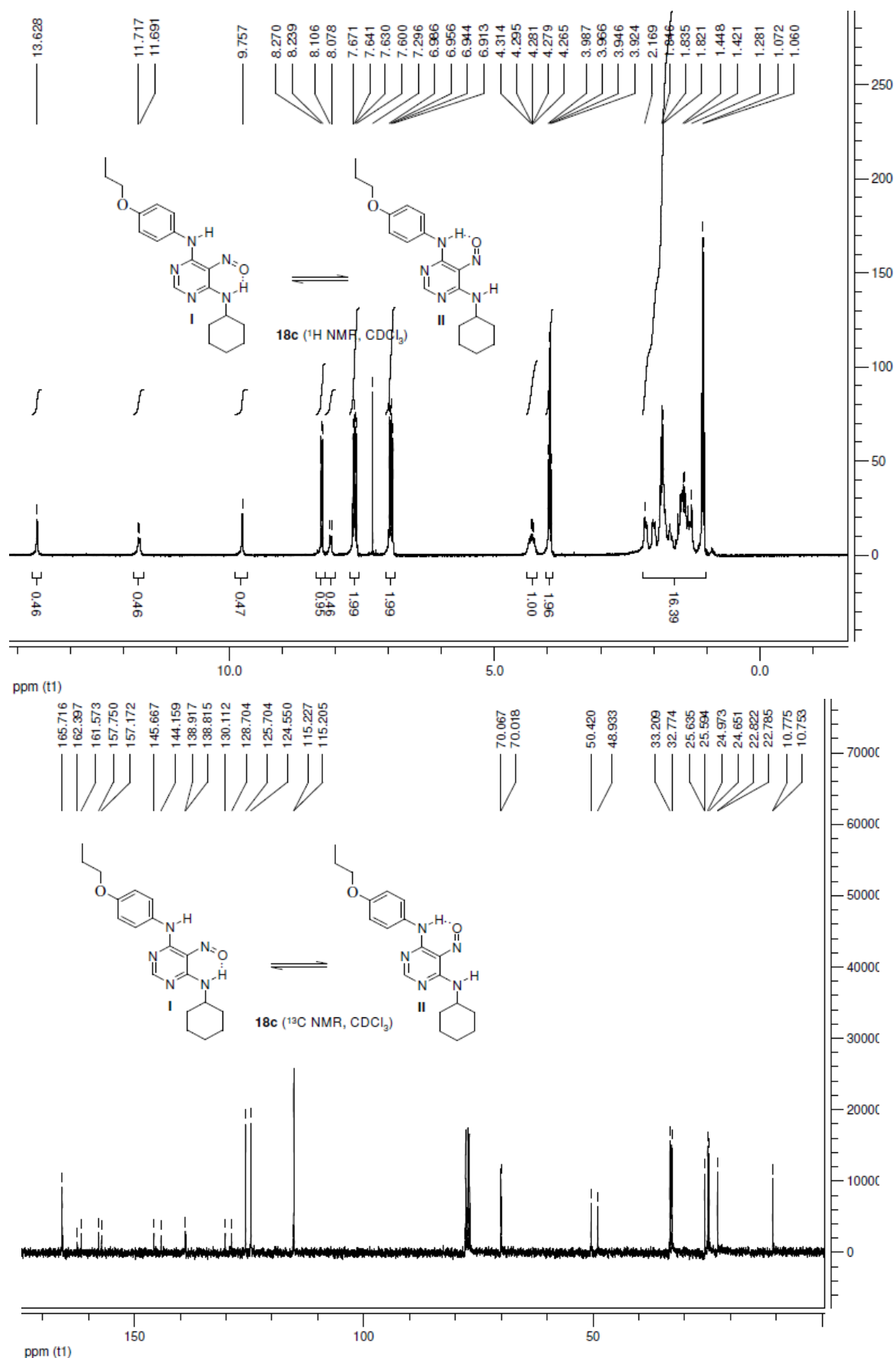


Figure S20. ¹H and ¹³C NMR spectra of *N*-Cyclohexyl-5-nitroso-*N'*-(4-propyloxyphenyl)pyrimidine-4,6-diamine (**18c**).

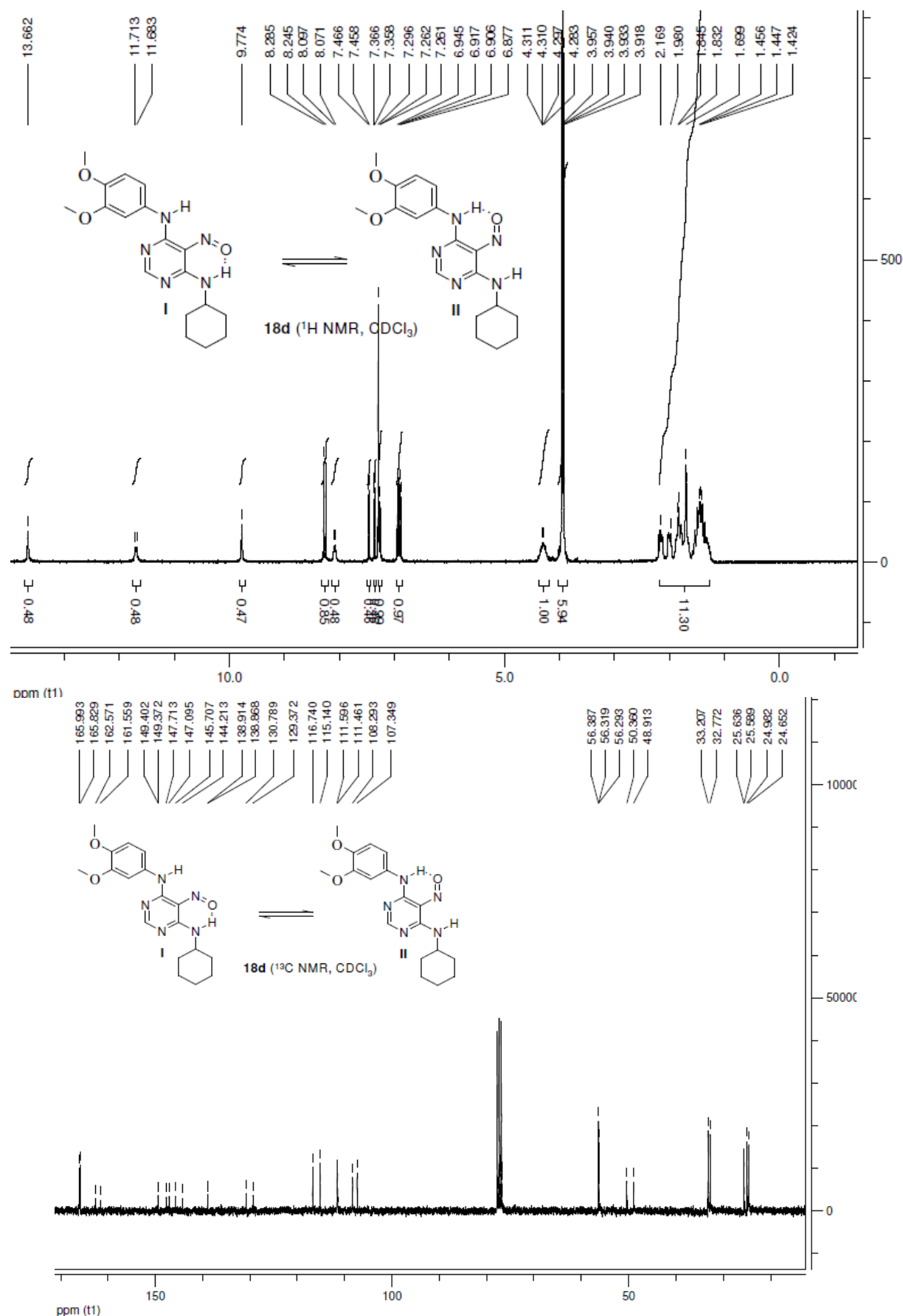


Figure S21. ¹H and ¹³C NMR spectra of *N*-Cyclohexyl-*N'*-(3,4-dimethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (**18d**).

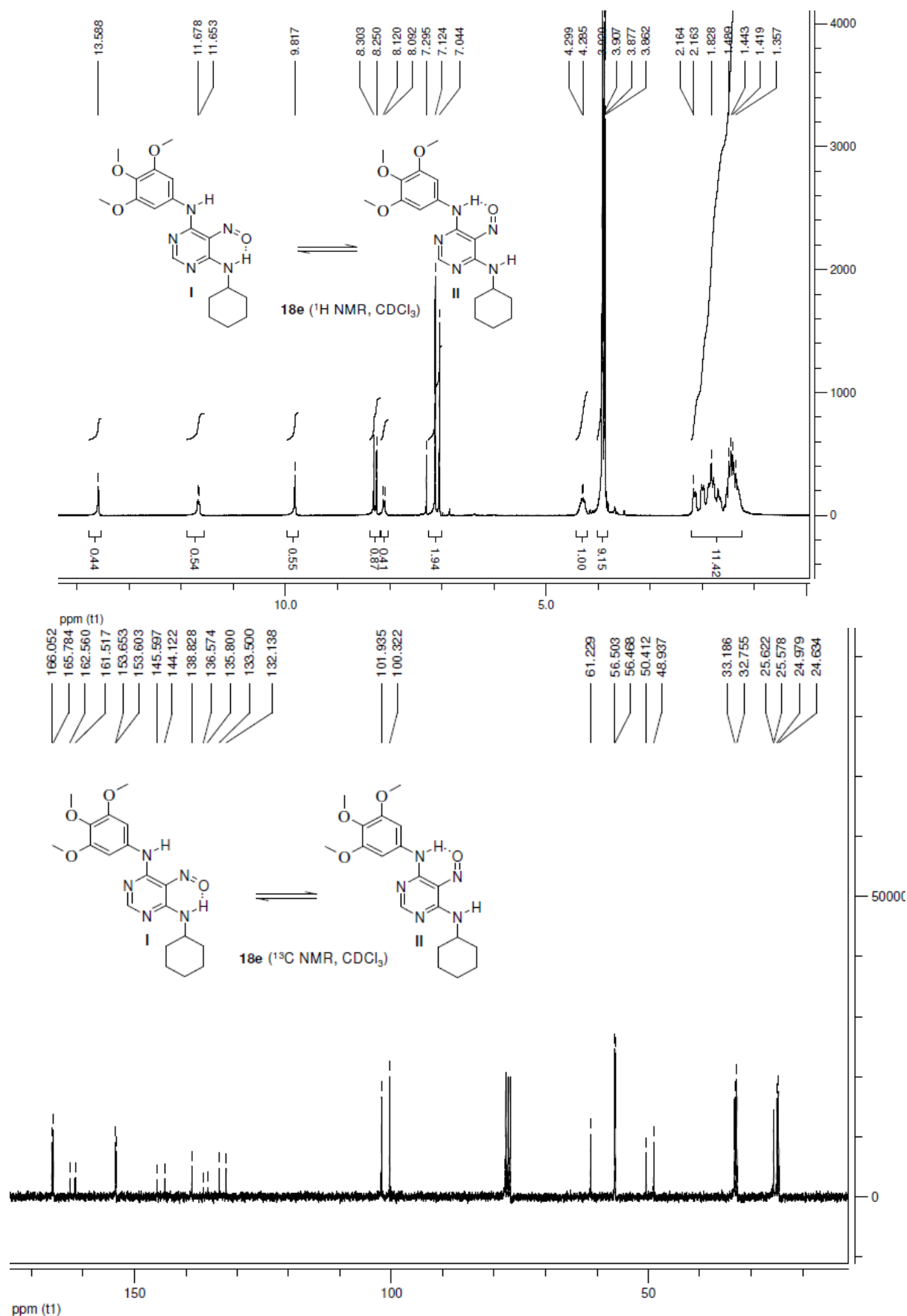


Figure S22. ^1H and ^{13}C NMR spectra of *N*-Cyclohexyl-*N'*-(3,4,5-trimethoxyphenyl)-5-nitrosopyrimidine-4,6-diamine (**18e**).

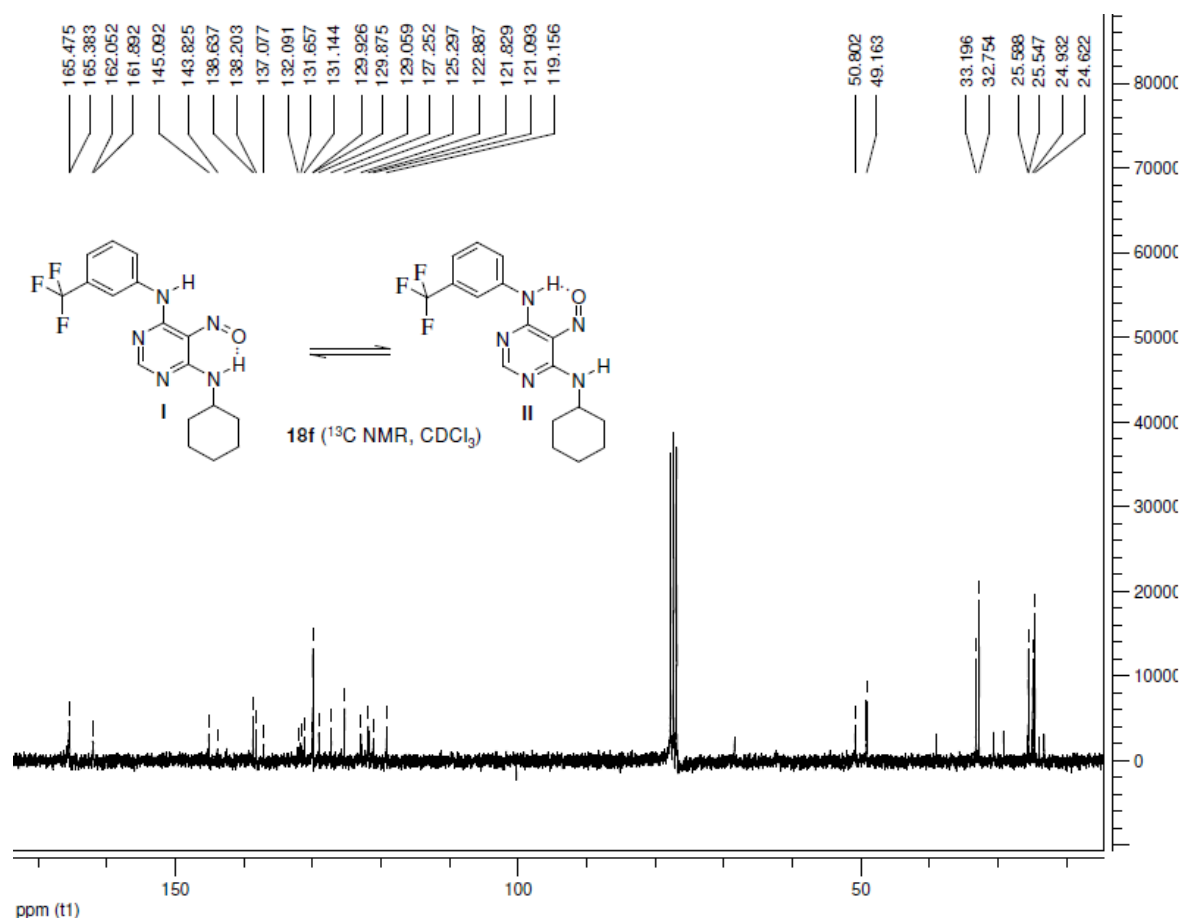


Figure S23. ^1H and ^{13}C NMR spectra of *N*-Cyclohexyl-*N'*-[(3-trifluoromethyl)phenyl]-5-nitrosopyrimidine-4,6-diamine (**18f**).