

10.1071/CH11320_AC

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Australian Journal of Chemistry 2011, 64 (11), 1515–1521

Supplementary Material

Efficient Iron-Catalysed N-Demethylation of Tertiary Amine-N-oxides under Oxidative Conditions

Gaik B. Kok^A and Peter J. Scammells^{A,B}

^A Medicinal Chemistry and Drug Action, Monash Institute of Pharmaceutical Sciences, Monash University, 381 Royal Parade, Parkville, VIC 3052, Australia

^B Corresponding author. E-mail: peter.scammells@monash.edu

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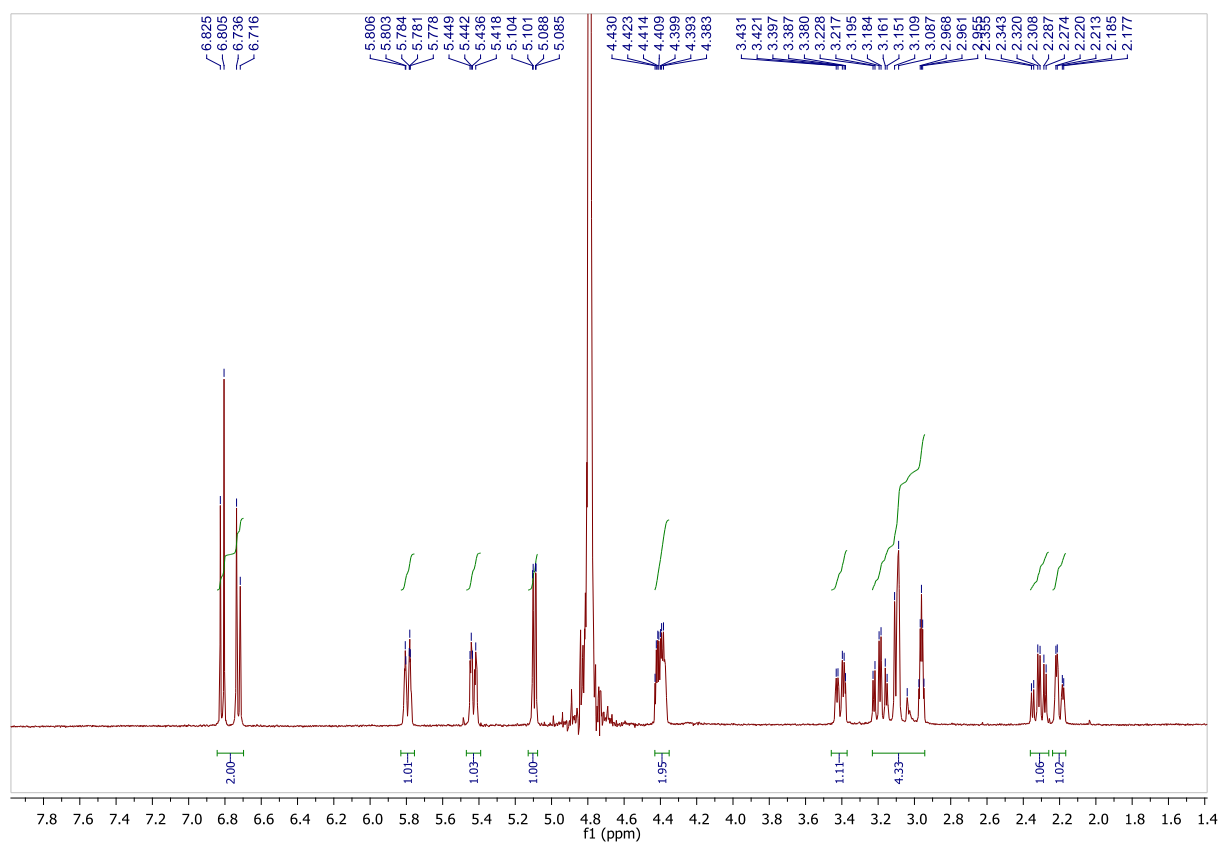
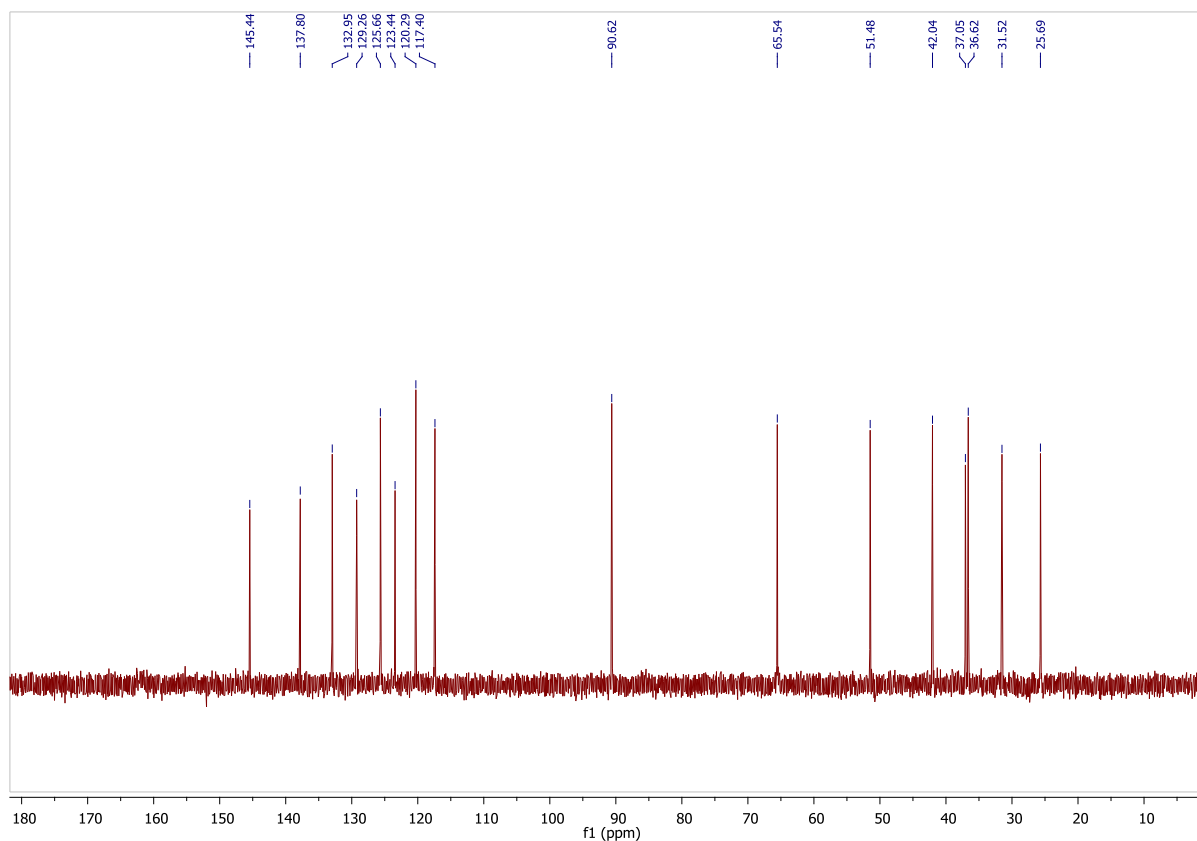
Figure 1. ^1H NMR spectrum of *N*-Normorphine Hydrochloride in D_2O **Figure 2. ^{13}C NMR spectrum of *N*-Normorphine Hydrochloride in $\text{D}_2\text{O} + \text{TFA}$** 

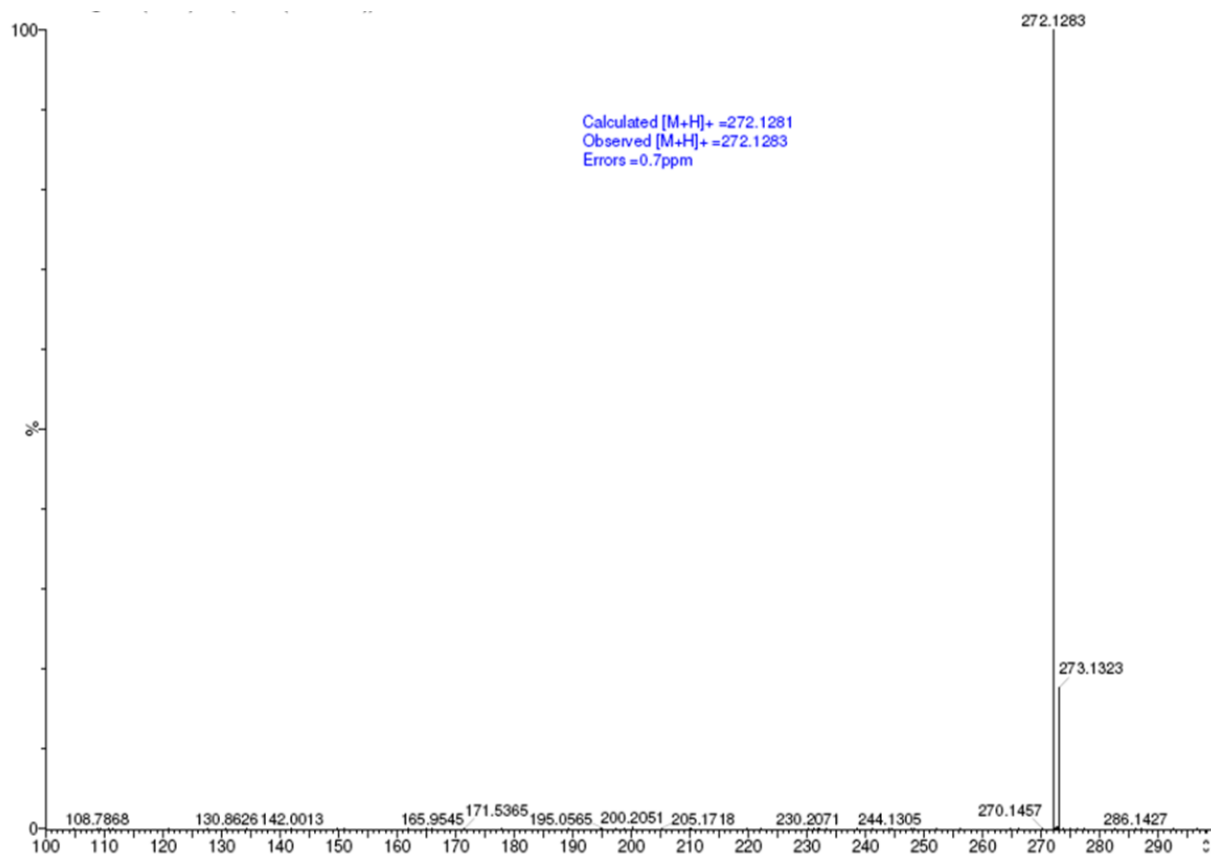
Figure 3. High Resolution MS of *N*-Normorphine

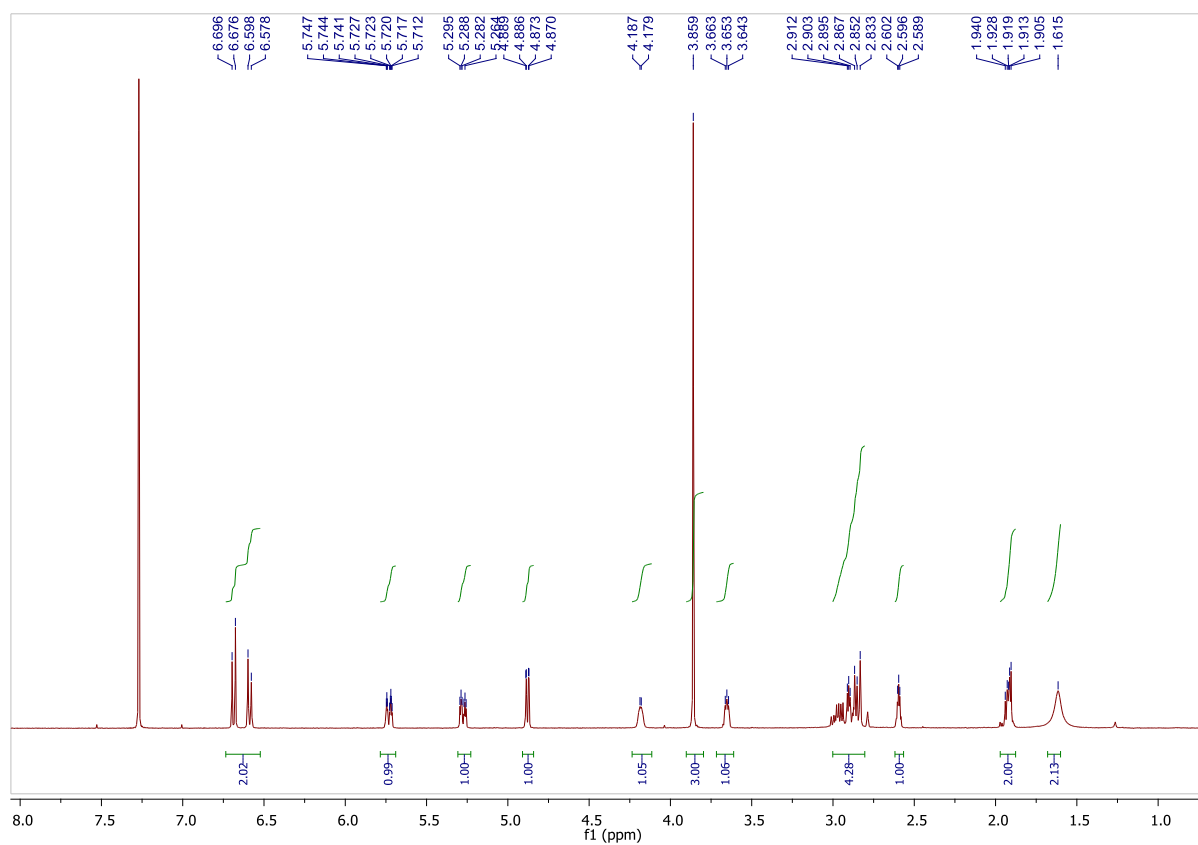
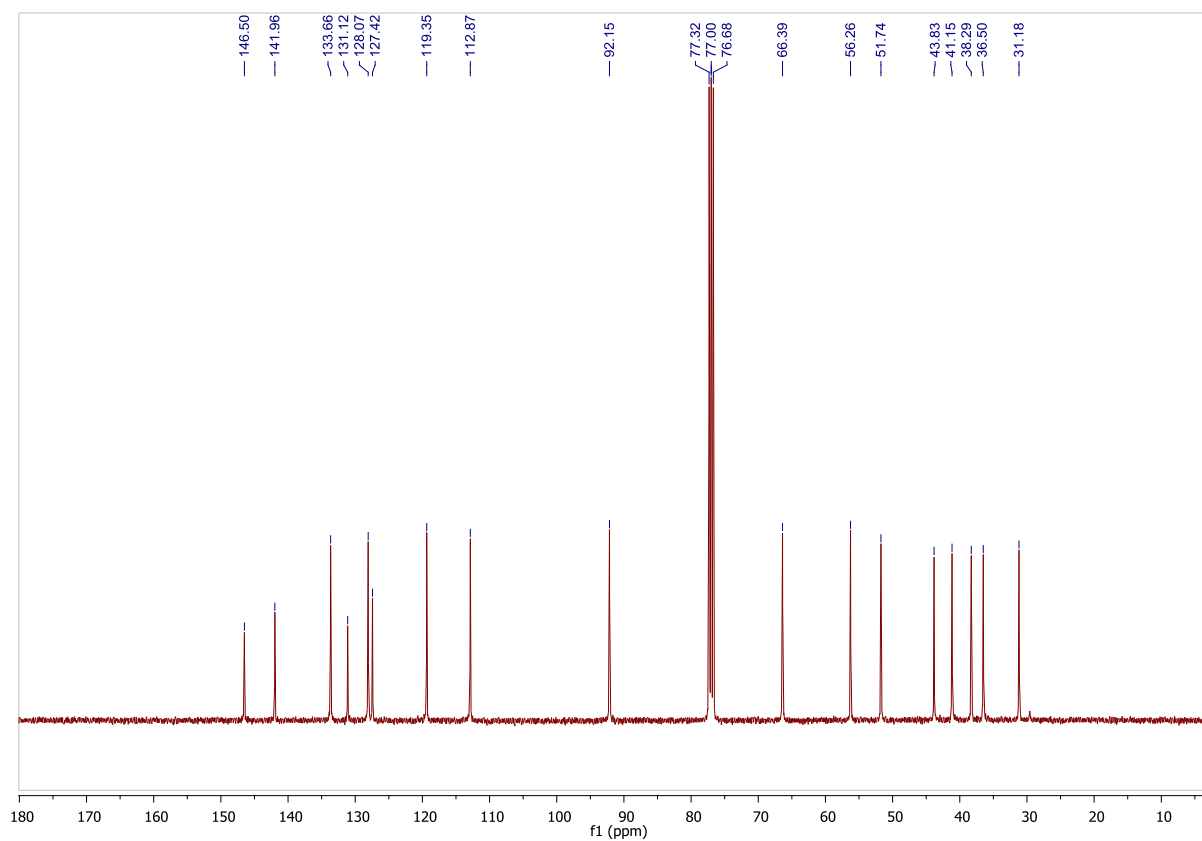
Figure 4. ^1H NMR spectrum of *N*-Norcodeine in CDCl_3 **Figure 5.** ^{13}C NMR spectrum of *N*-Norcodeine in CDCl_3 

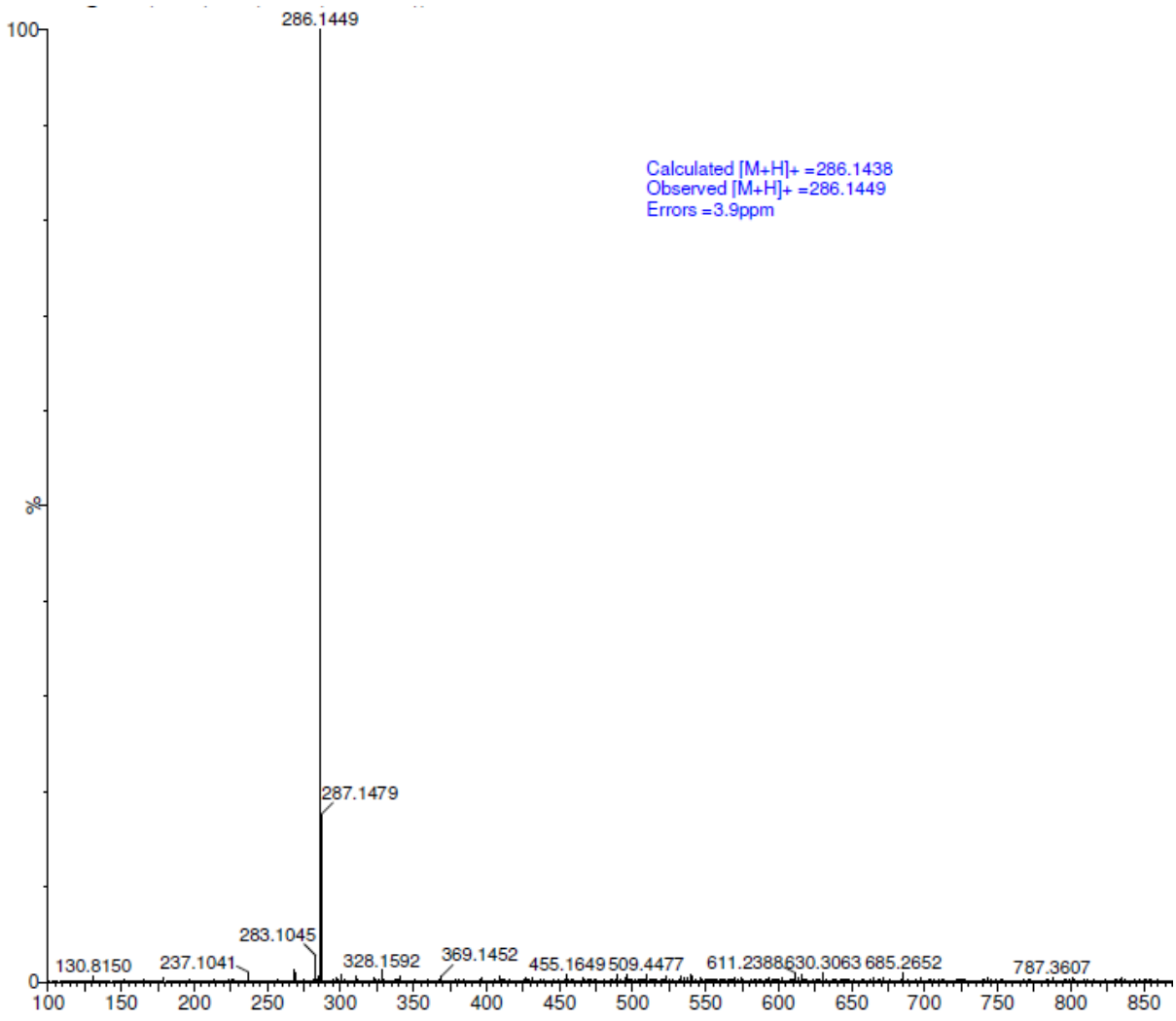
Figure 6. High Resolution MS of *N*-Norcodeine

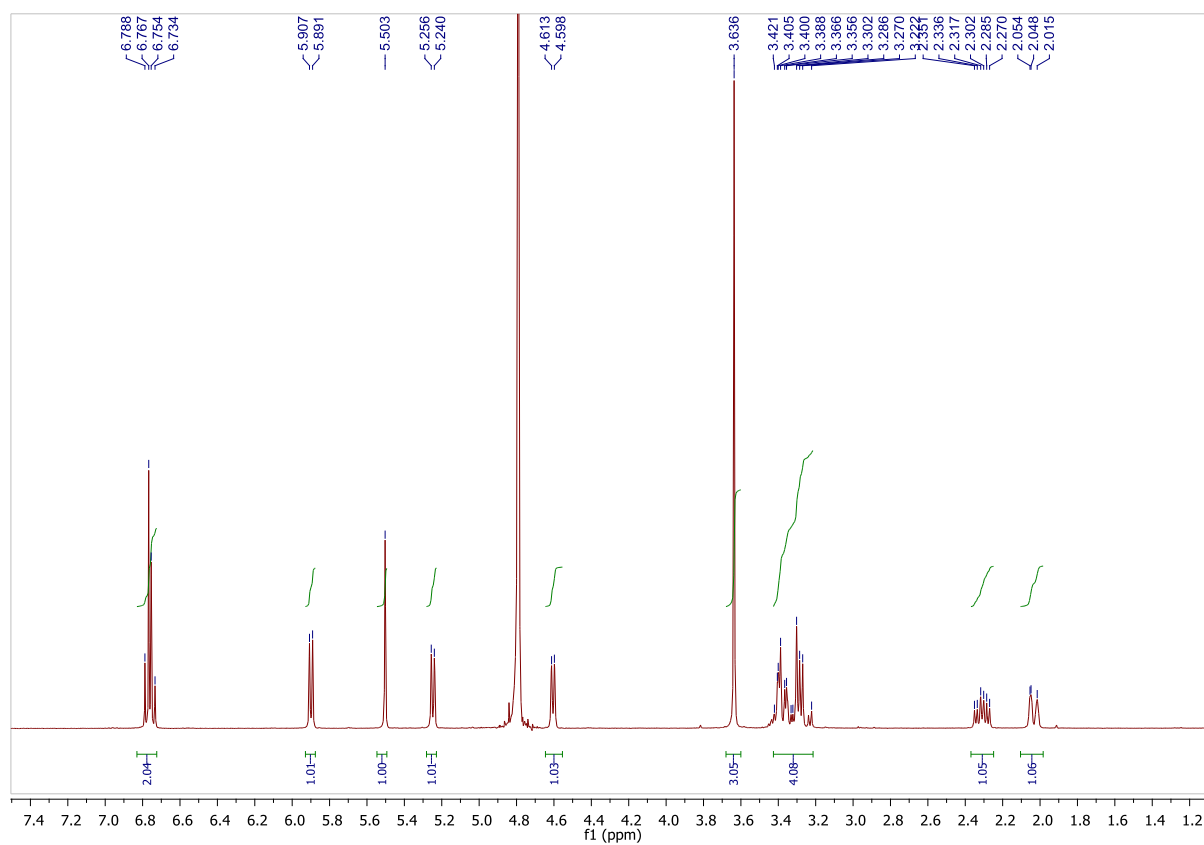
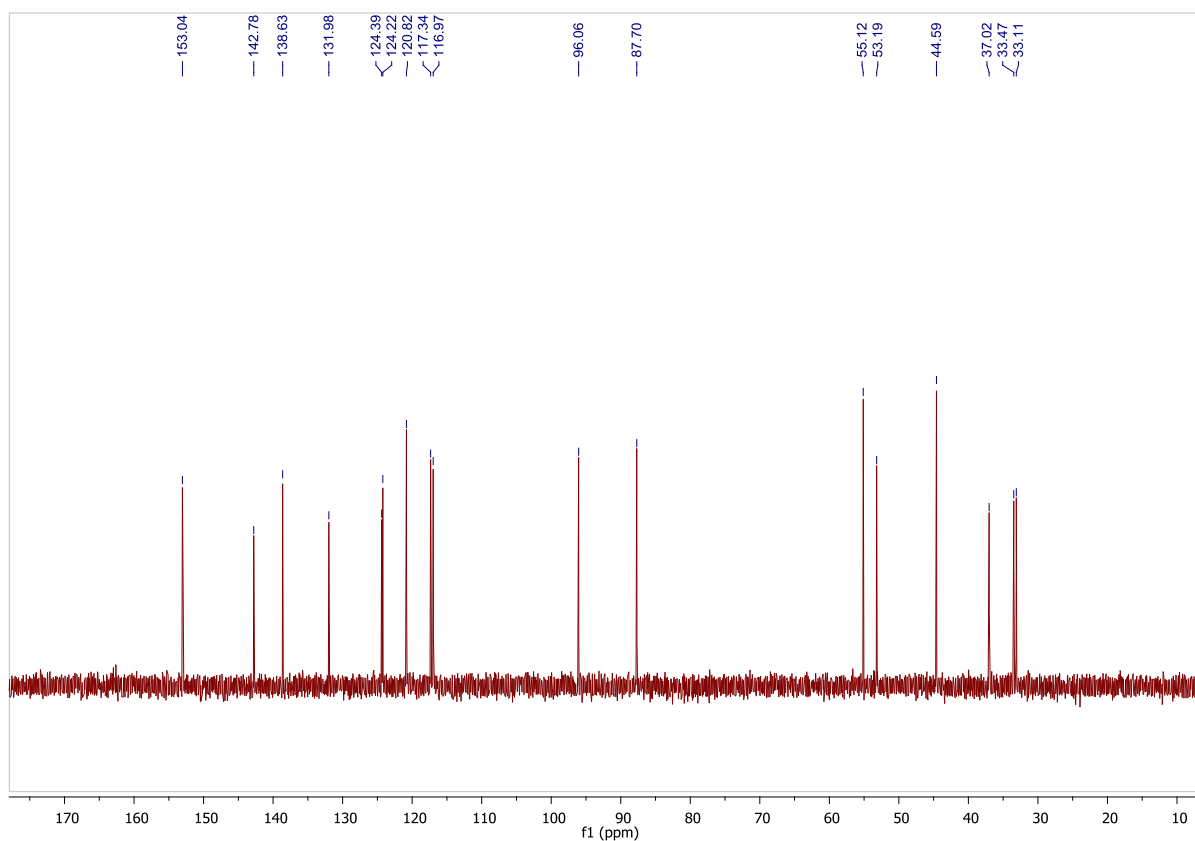
Figure 7. ^1H NMR spectrum of *N*-Nororipavine Hydrochloride in D_2O **Figure 8. ^{13}C NMR spectrum of *N*-Nororipavine Hydrochloride in $\text{D}_2\text{O} + \text{TFA}$** 

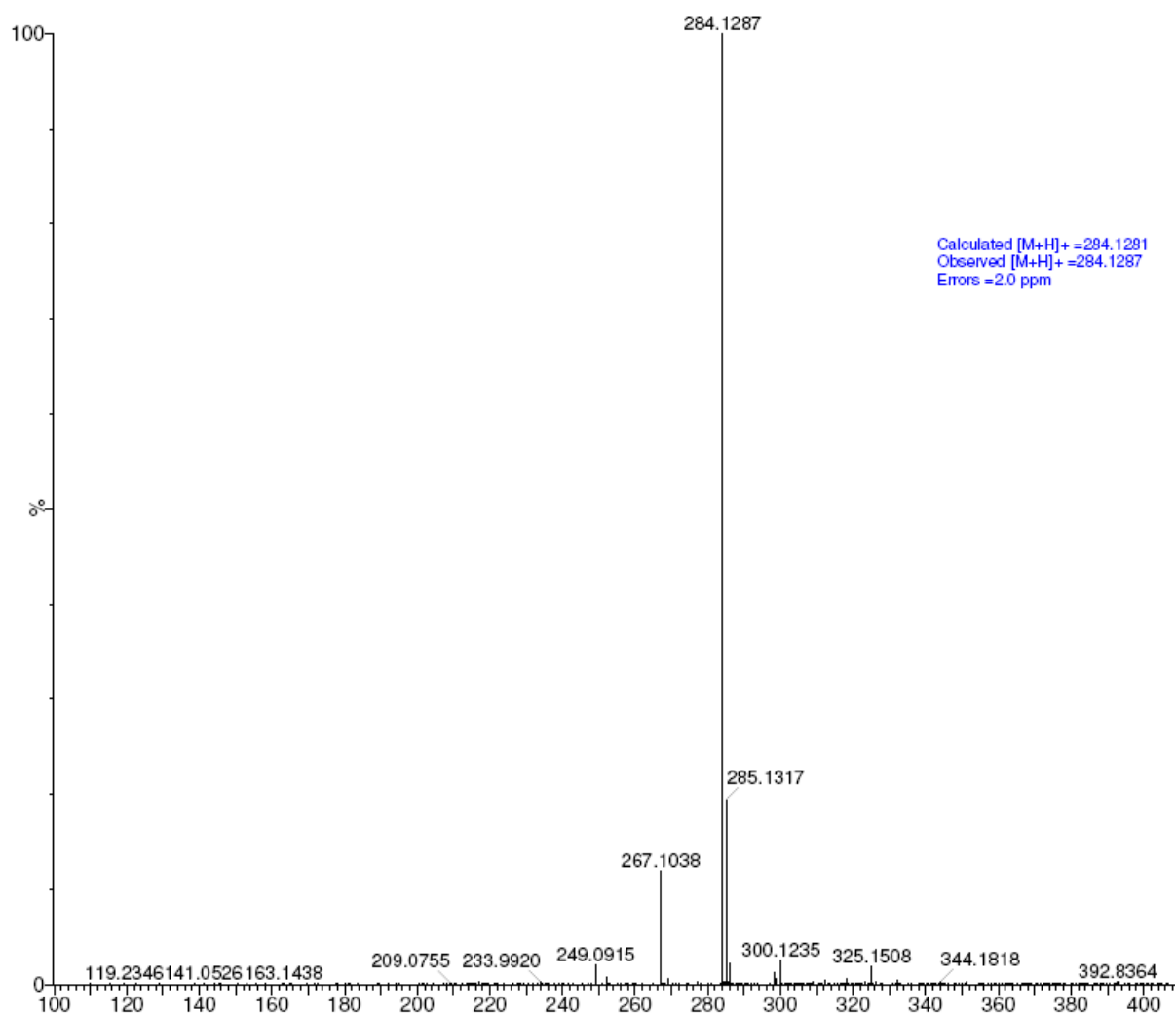
Figure 9. High Resolution MS of *N*-Nororipavine

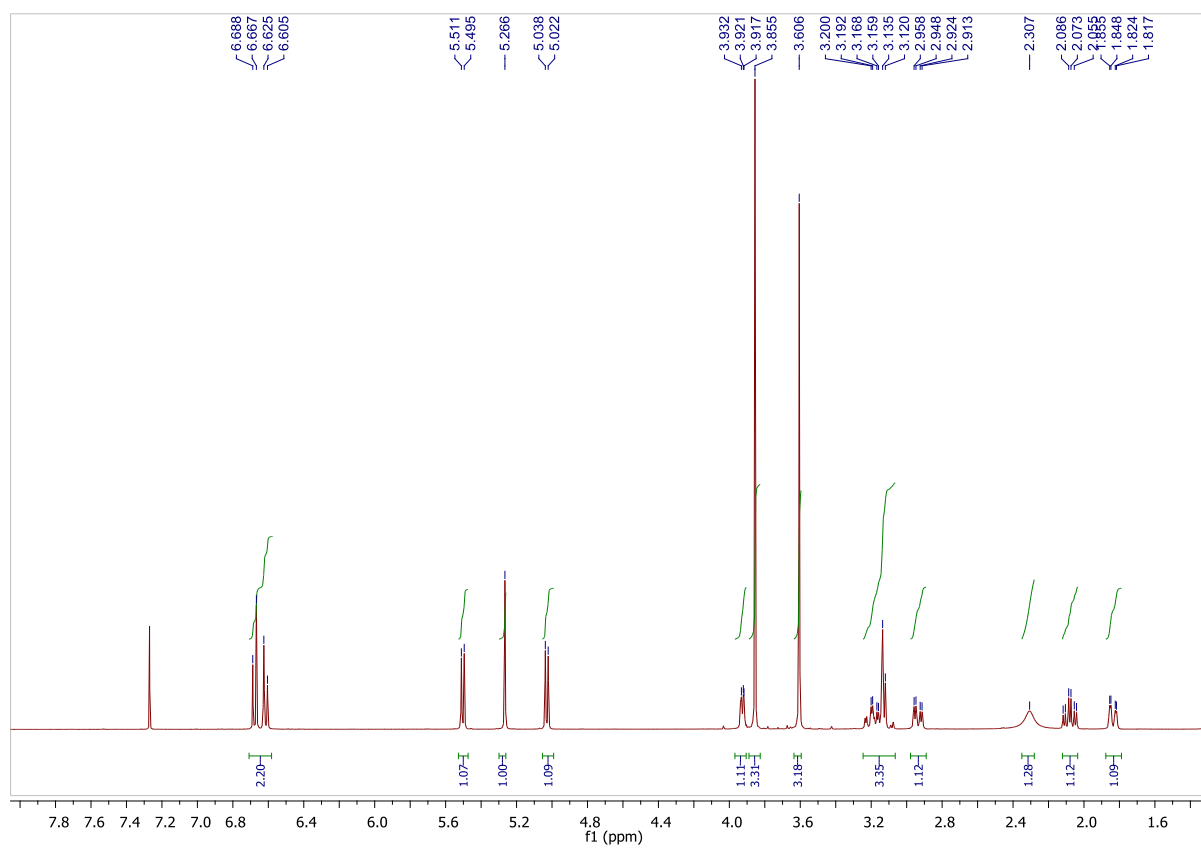
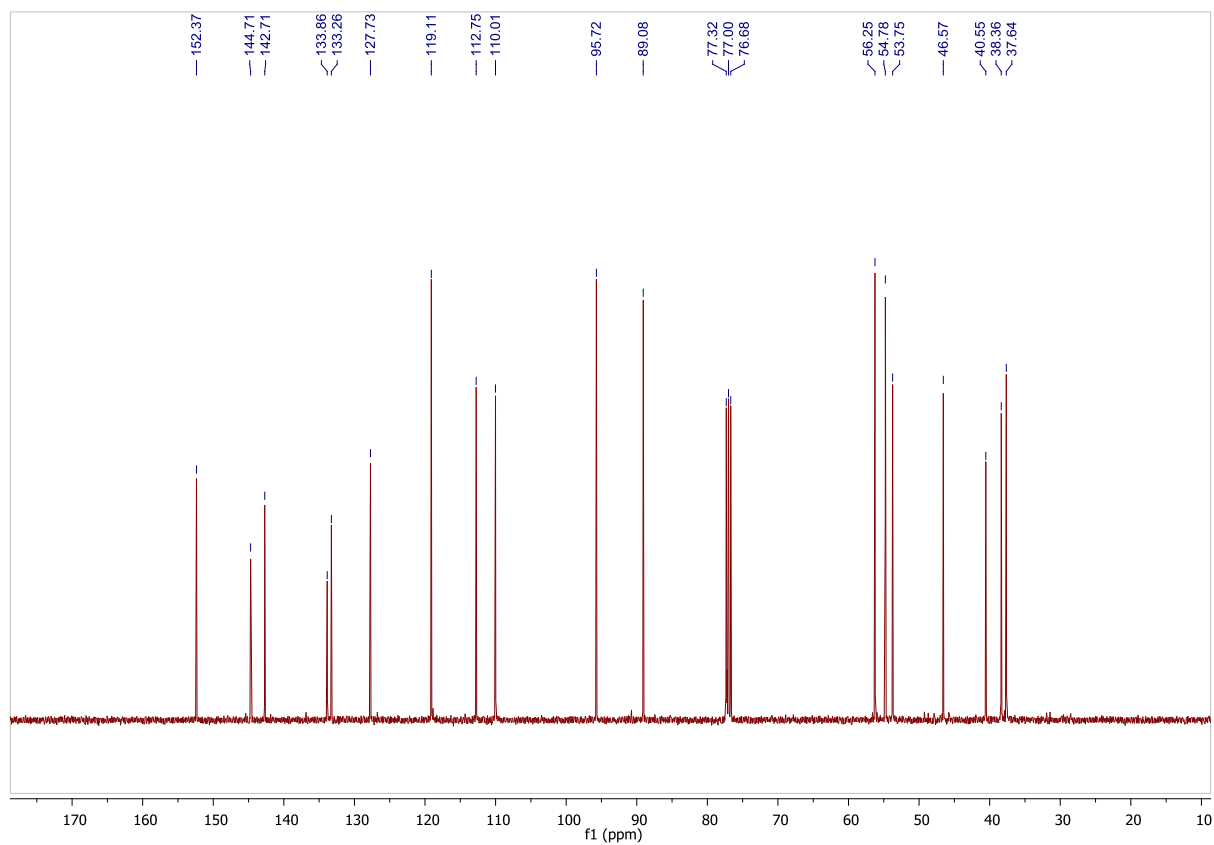
Figure 10. ^1H NMR spectrum of *N*-Northebaine in CDCl_3 **Figure 11.** ^{13}C NMR spectrum of *N*-Northebaine in CDCl_3 

Figure 12. High Resolution MS of *N*-Northebaine