

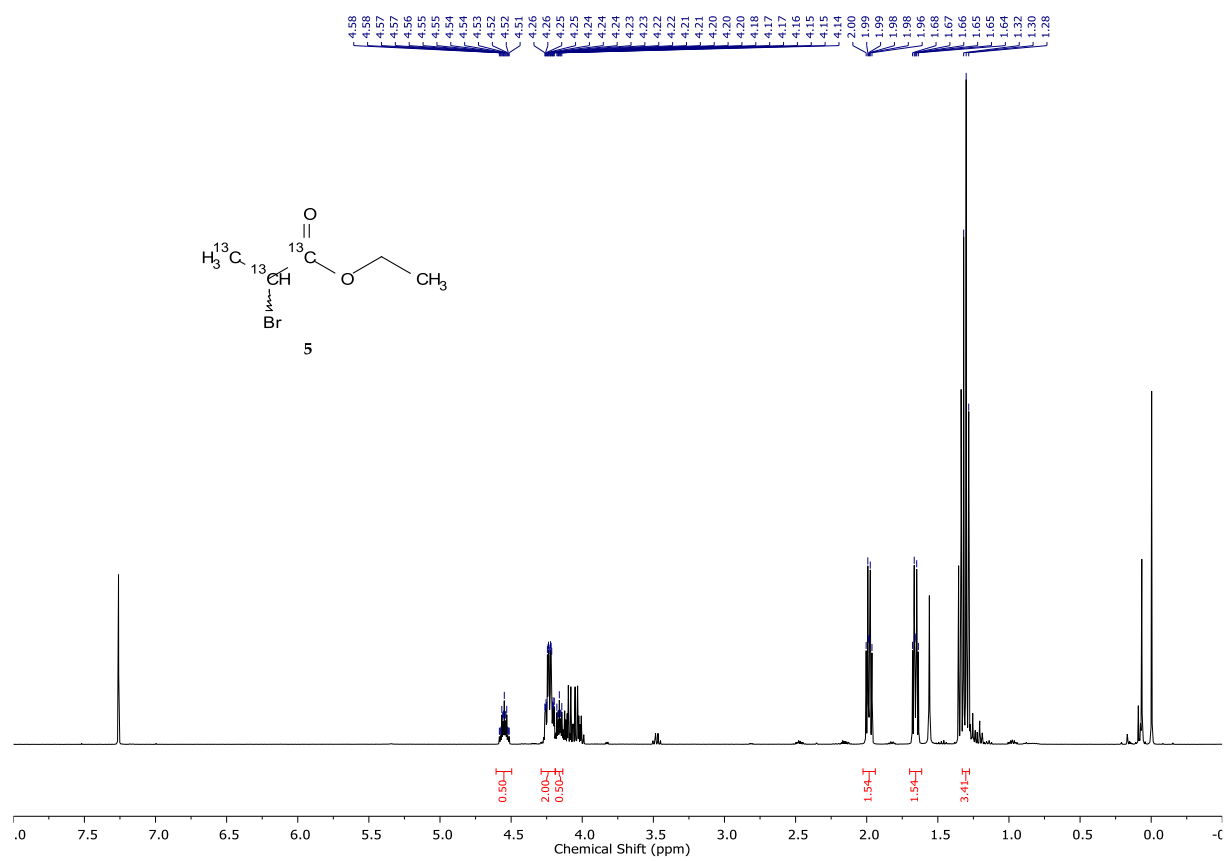
Synthesis of $^{13}\text{C}_3$ -B6 vitamers labelled at three consecutive positions starting from $^{13}\text{C}_3$ -propionic acid

Electronic Supplementary Information

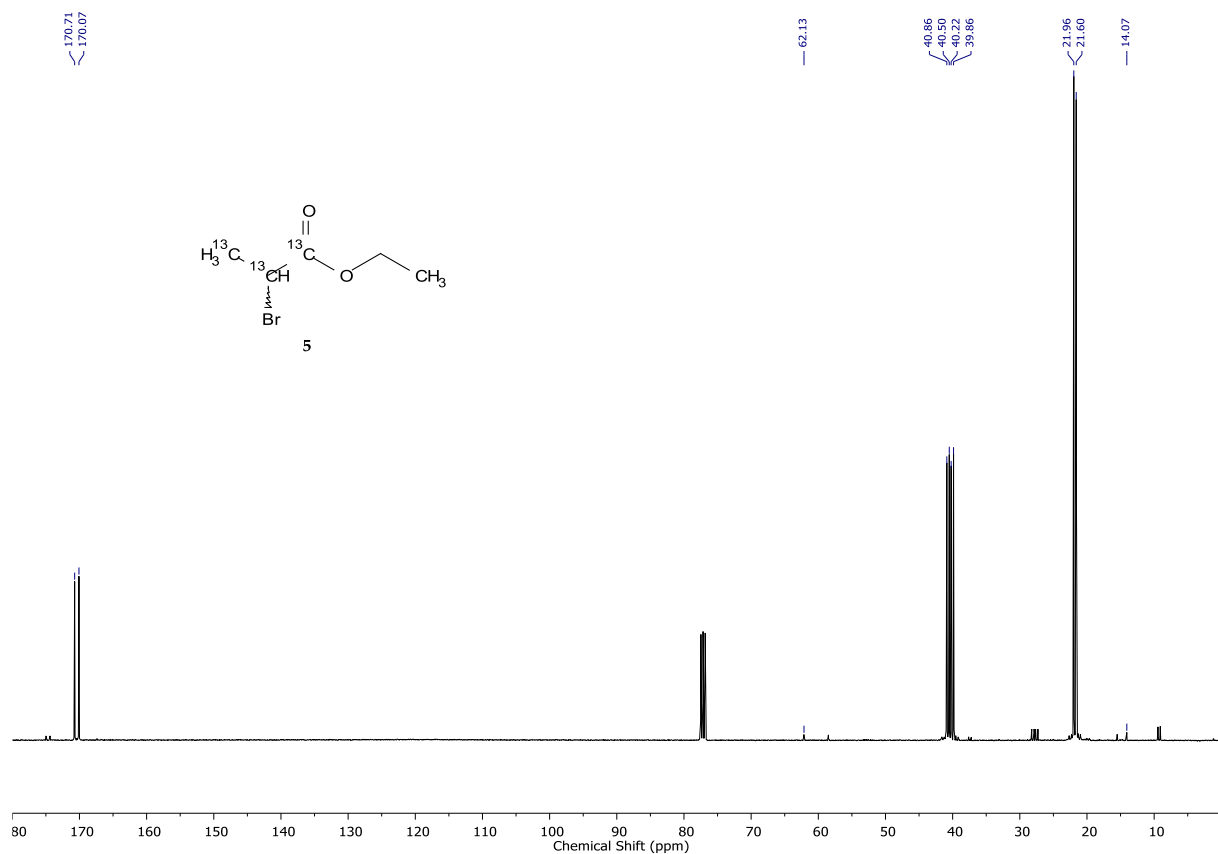
Thomas Bachmann and Michael Rychlik*

Lehrstuhl für Analytische Lebensmittelchemie, Technische Universität München,
Maximus-von-Imhof-Forum 2, 85354 Freising, Germany

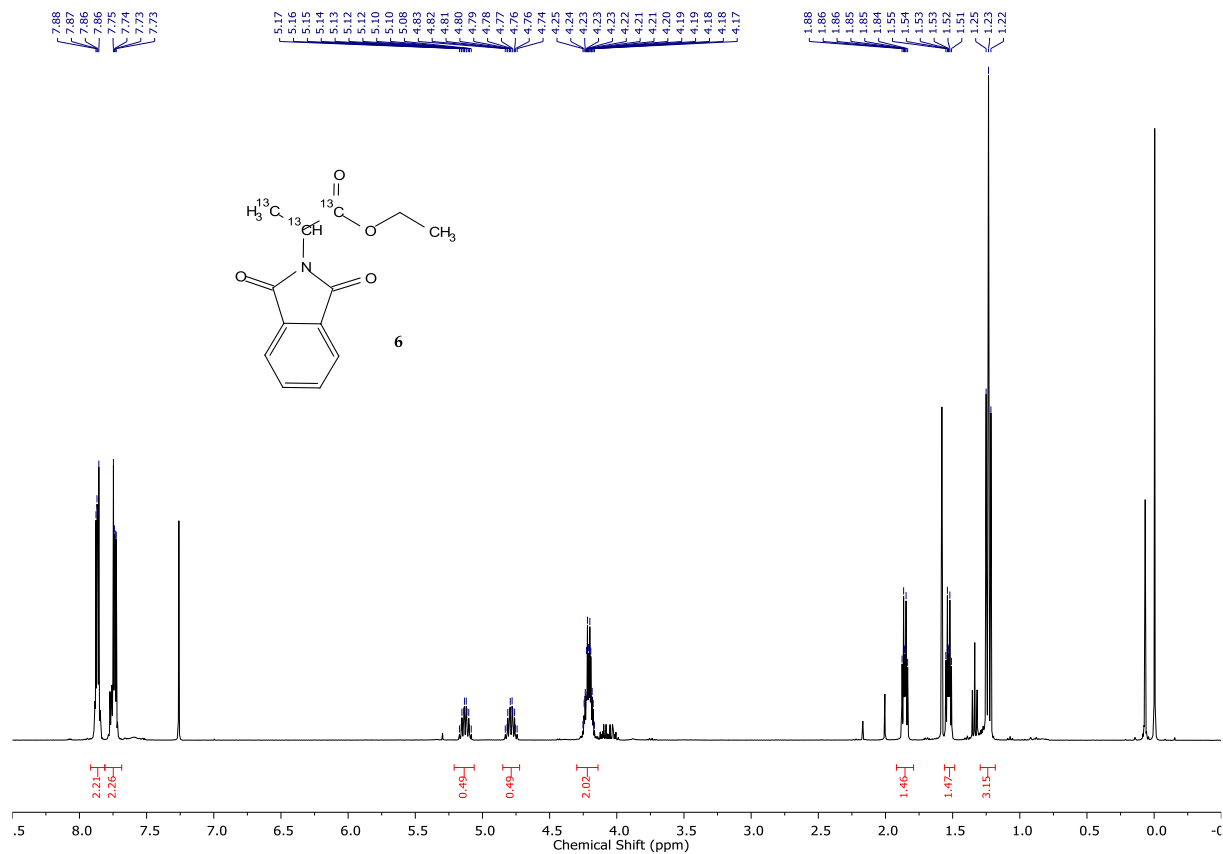
NMR spectra of new compounds



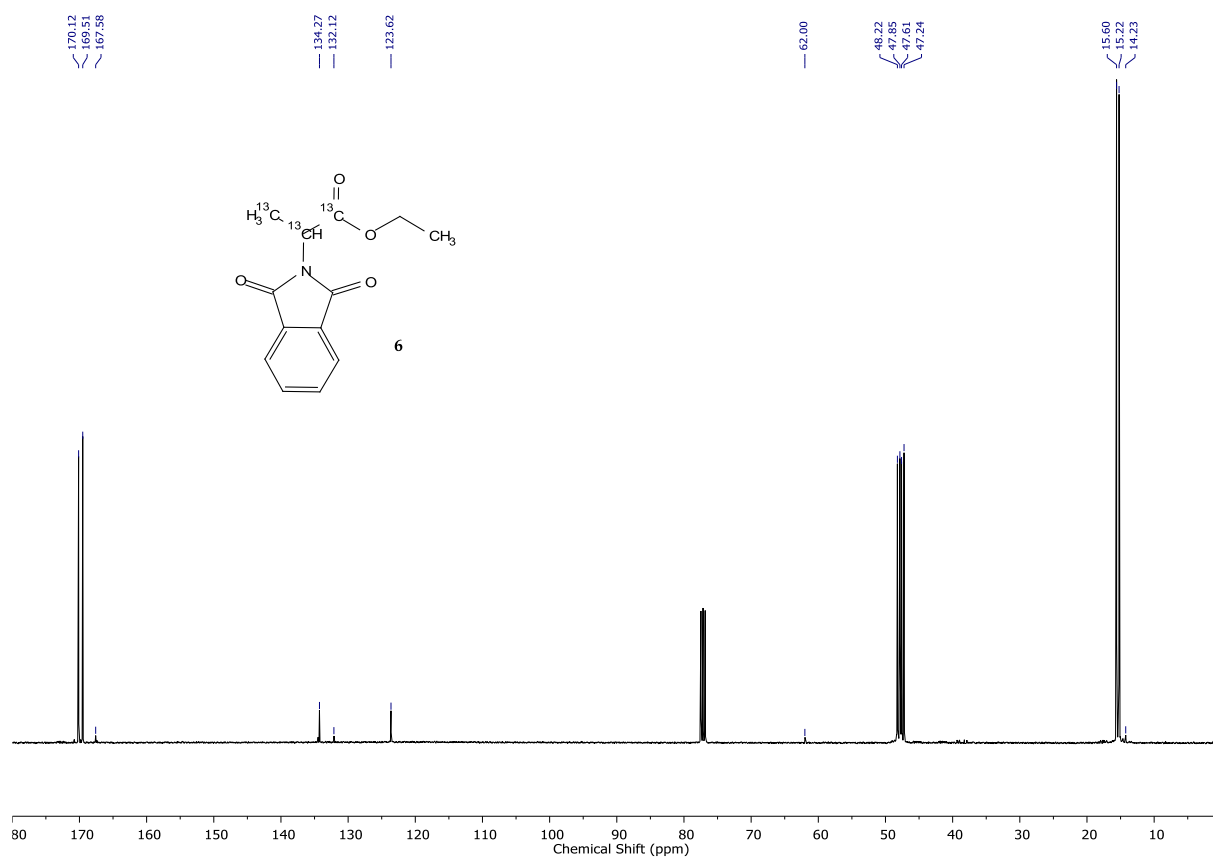
S1. ¹H spectrum of ethyl 2-bromo(¹³C₃)propionate



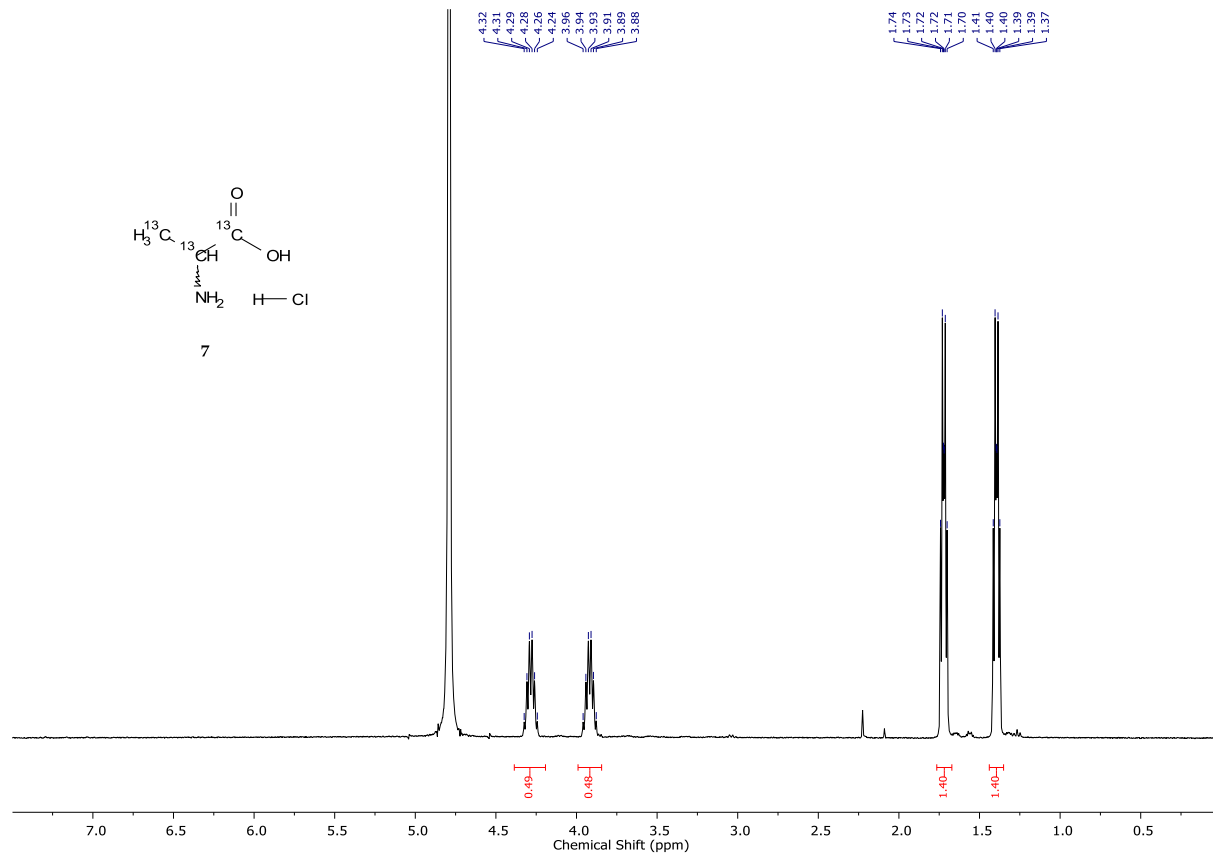
S2. ^{13}C spectrum of ethyl 2-bromo($^{13}\text{C}_3$)propionate



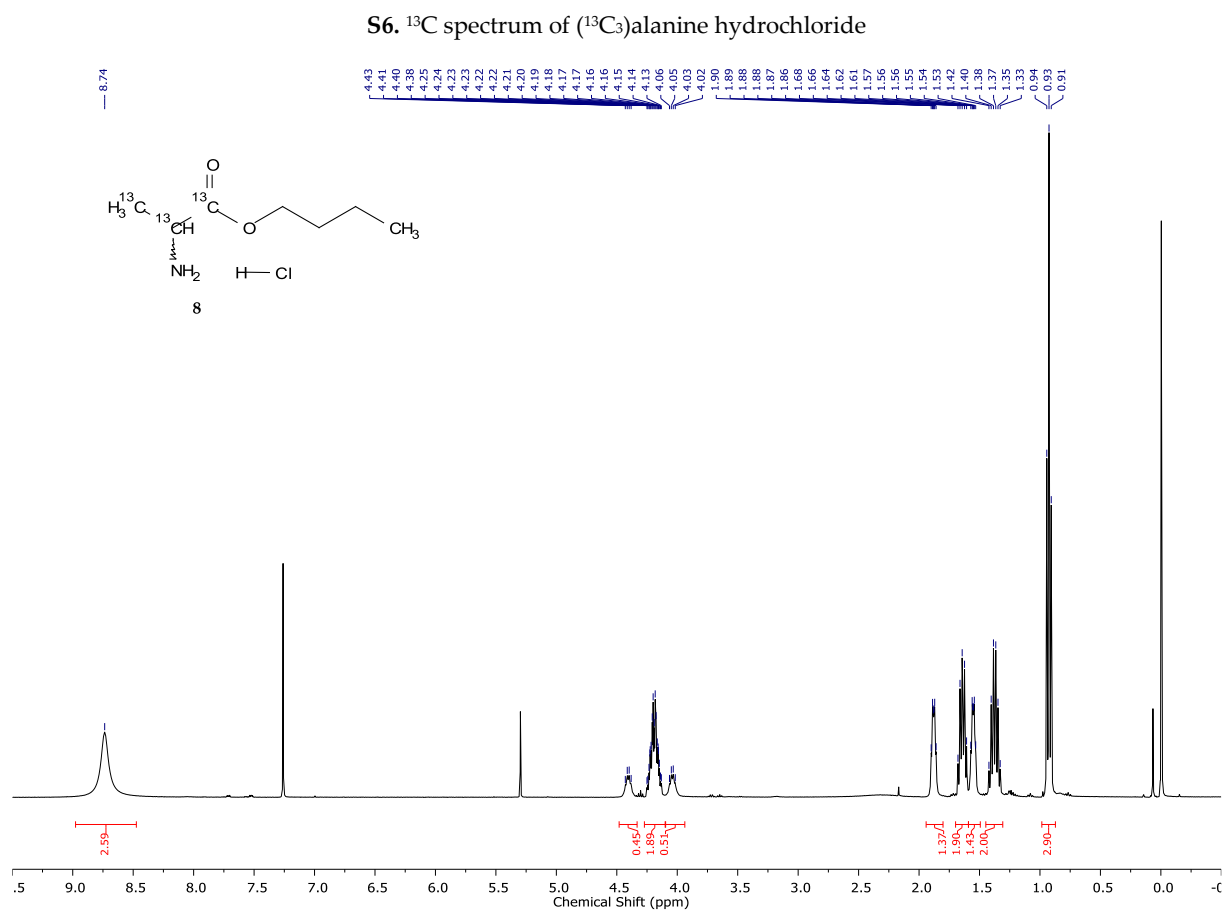
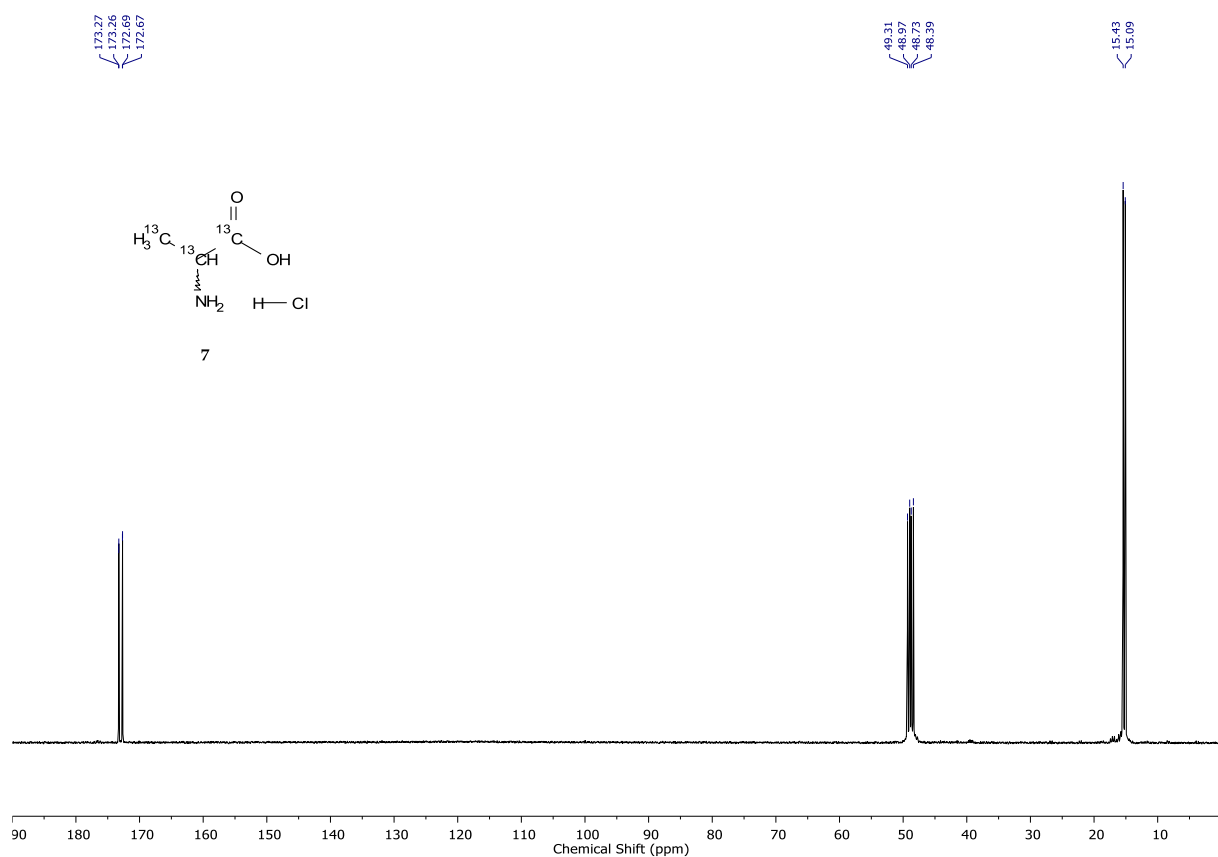
S3. ^1H spectrum of ethyl 2-(1,3-dioxoisindolin-2-yl)($^{13}\text{C}_3$)propionate

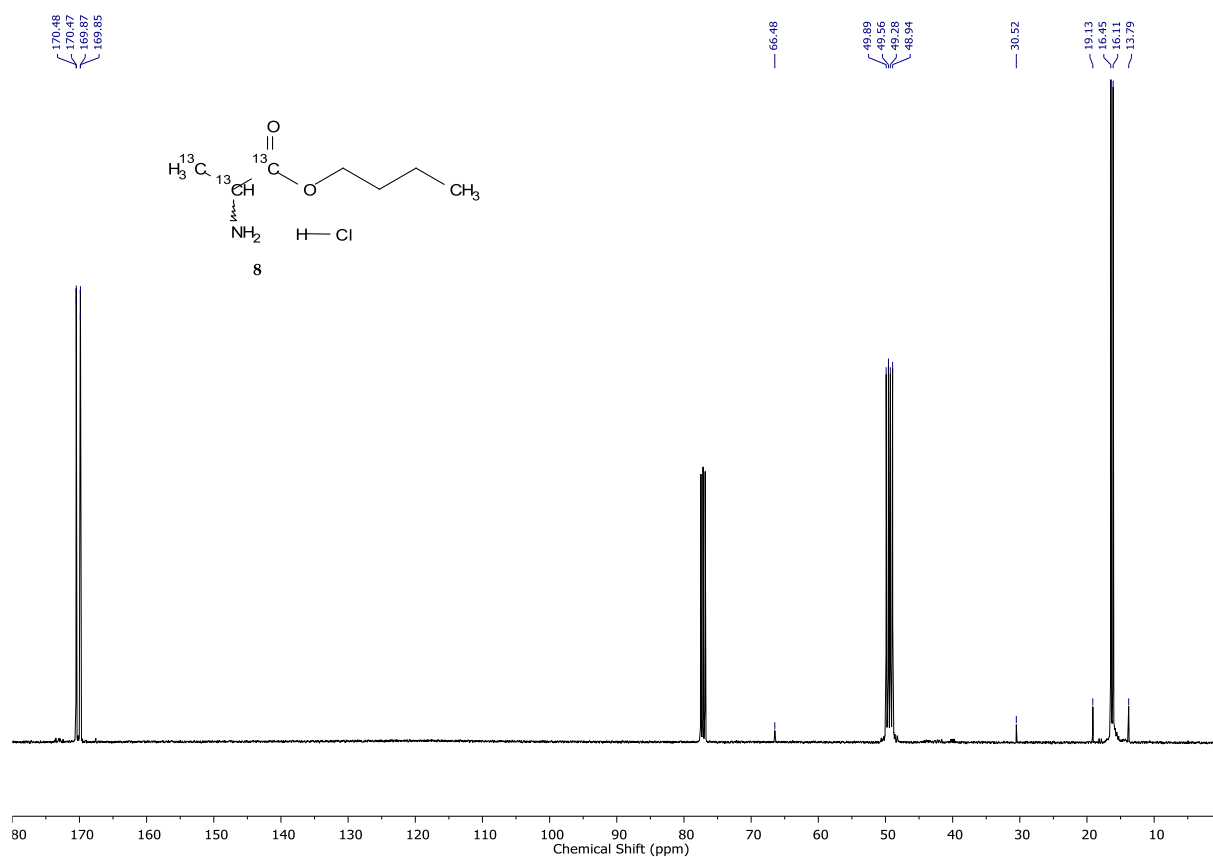


S4. ¹³C spectrum of ethyl 2-(1,3-dioxoisindolin-2-yl)(¹³C₃)propionate

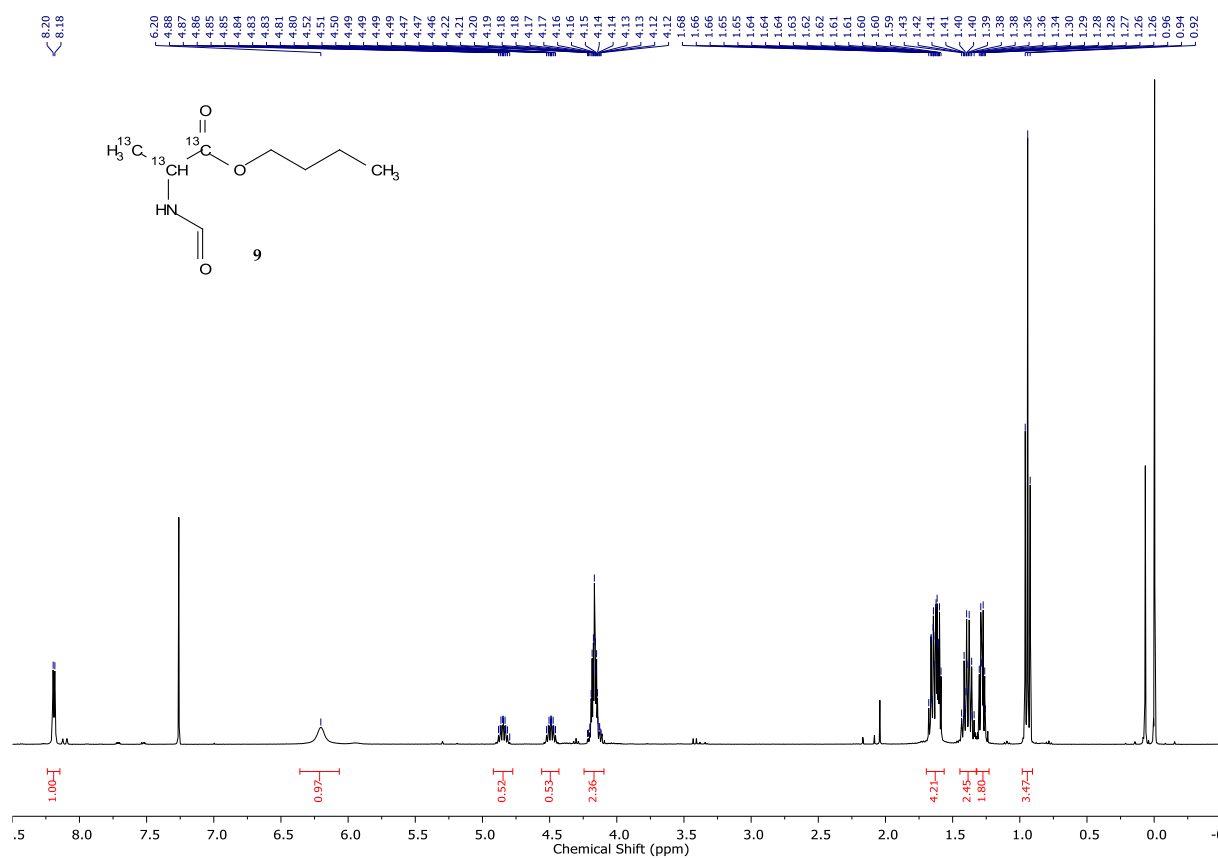


S5. ¹H spectrum of (¹³C₃)alanine hydrochloride

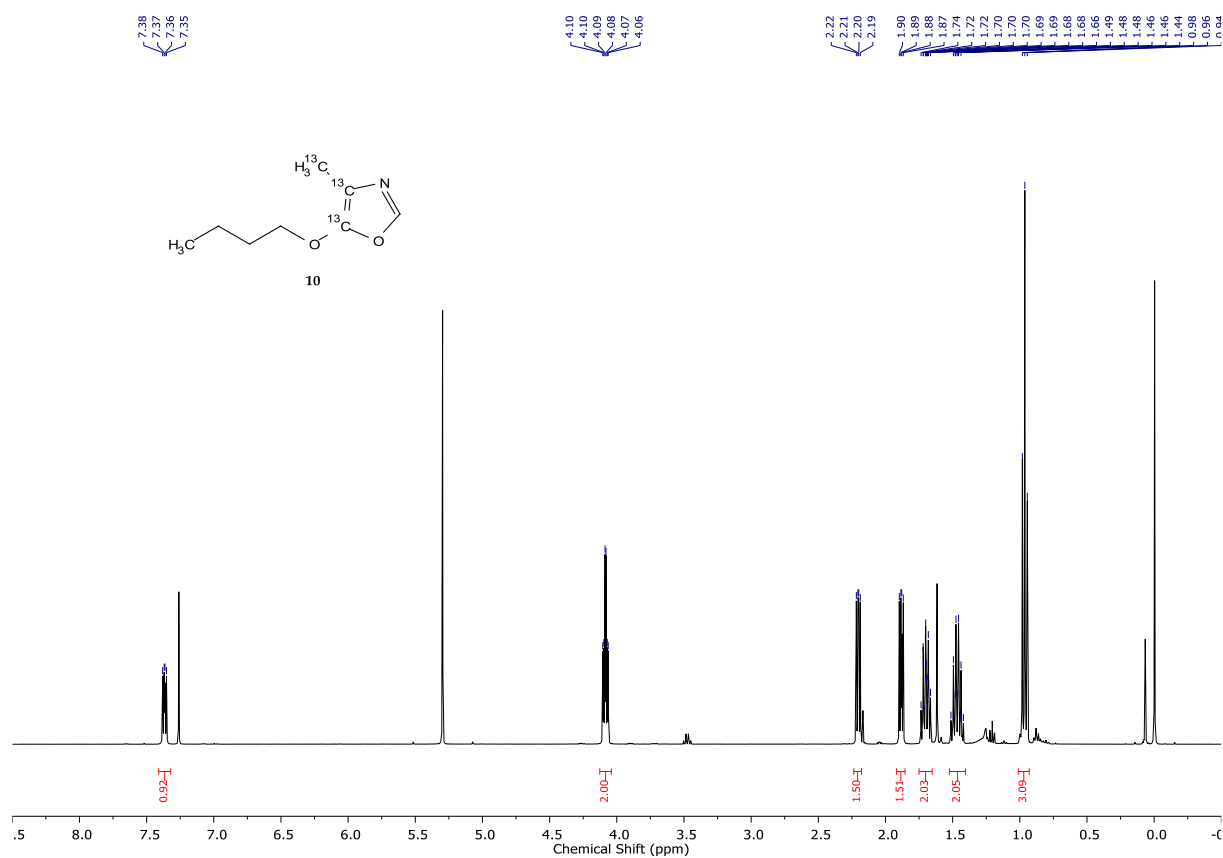
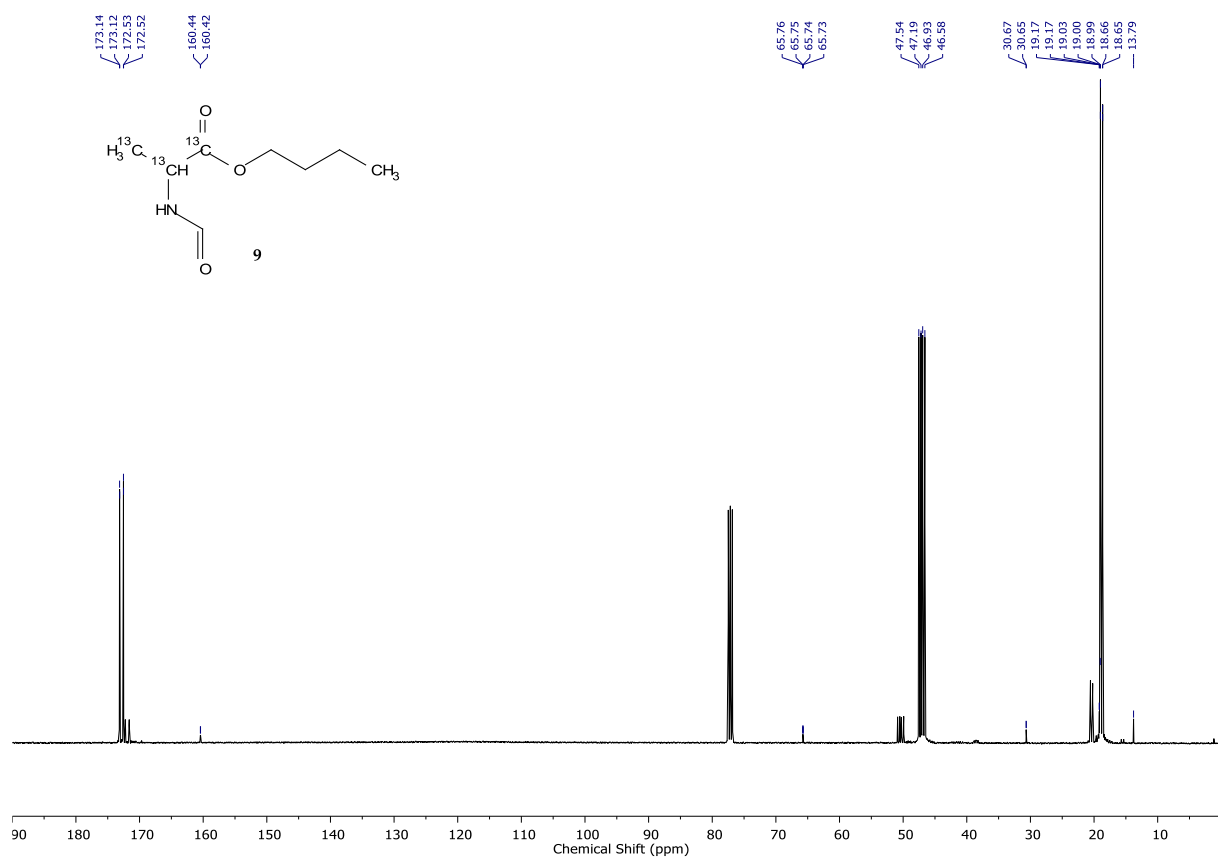


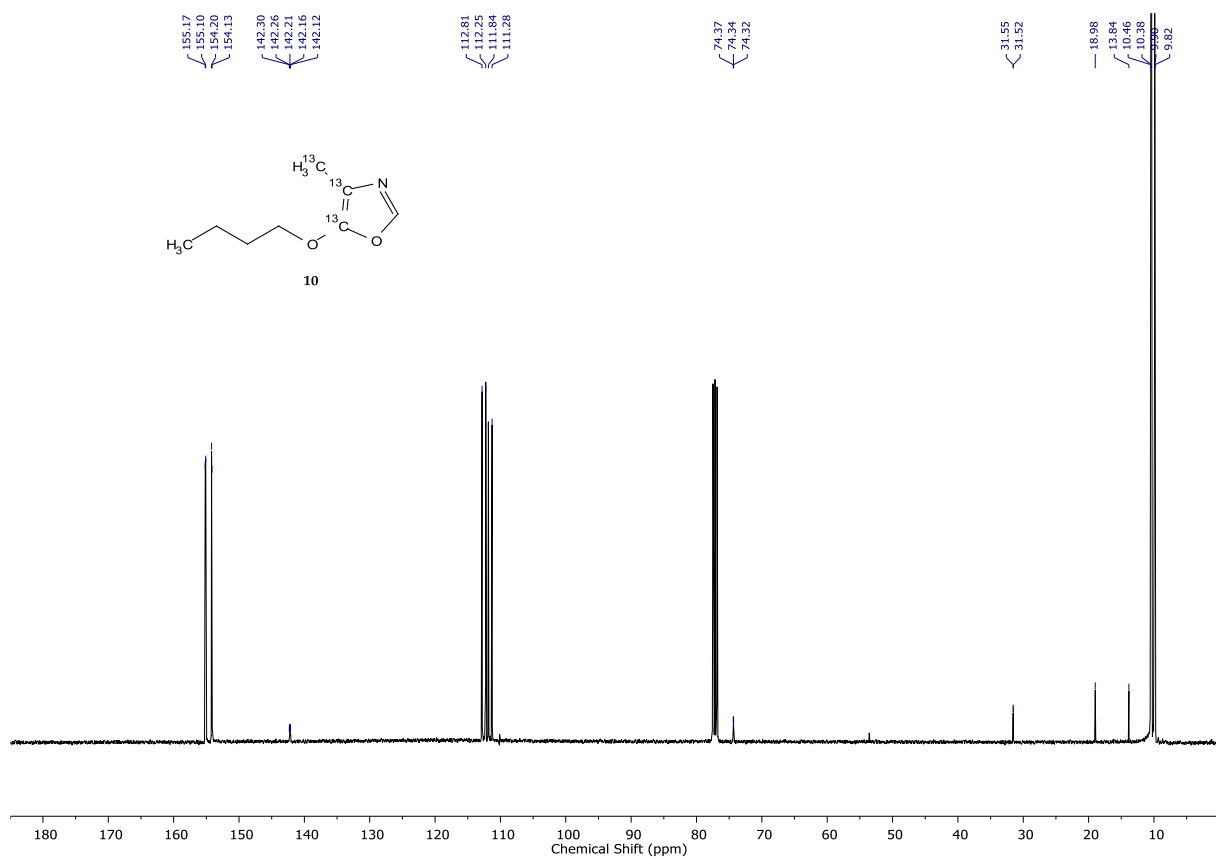


S8. ¹³C spectrum of butyl (¹³C₃)alaninate hydrochloride

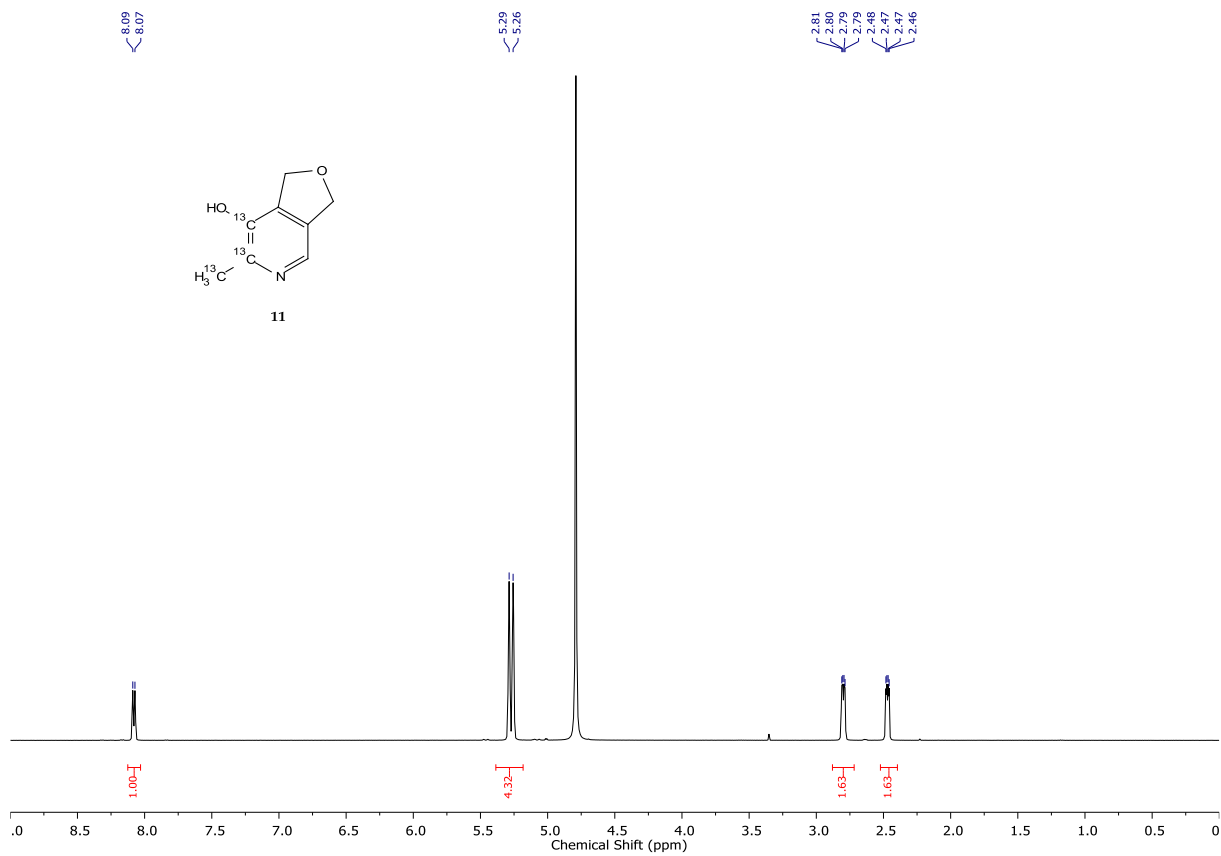


S9. ¹H spectrum of butyl-N-formyl-(¹³C₃)alaninate

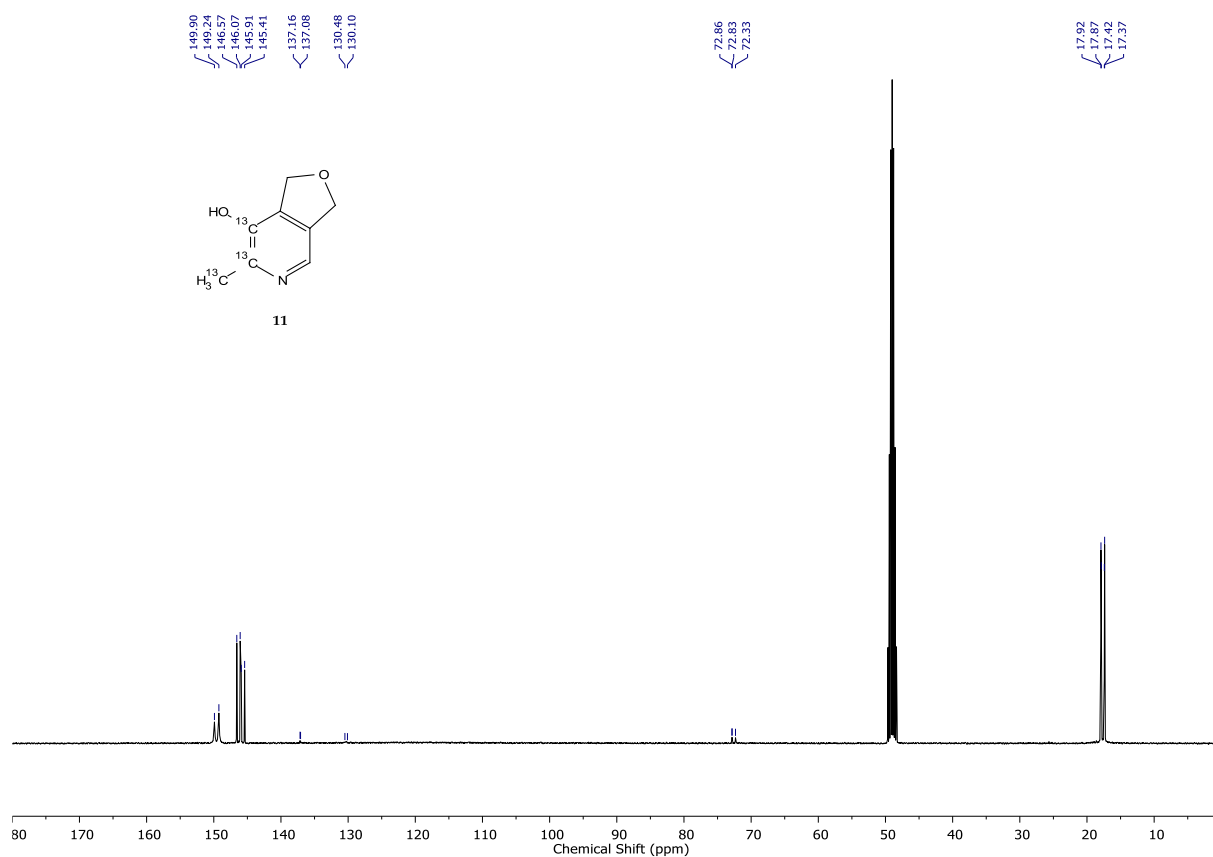




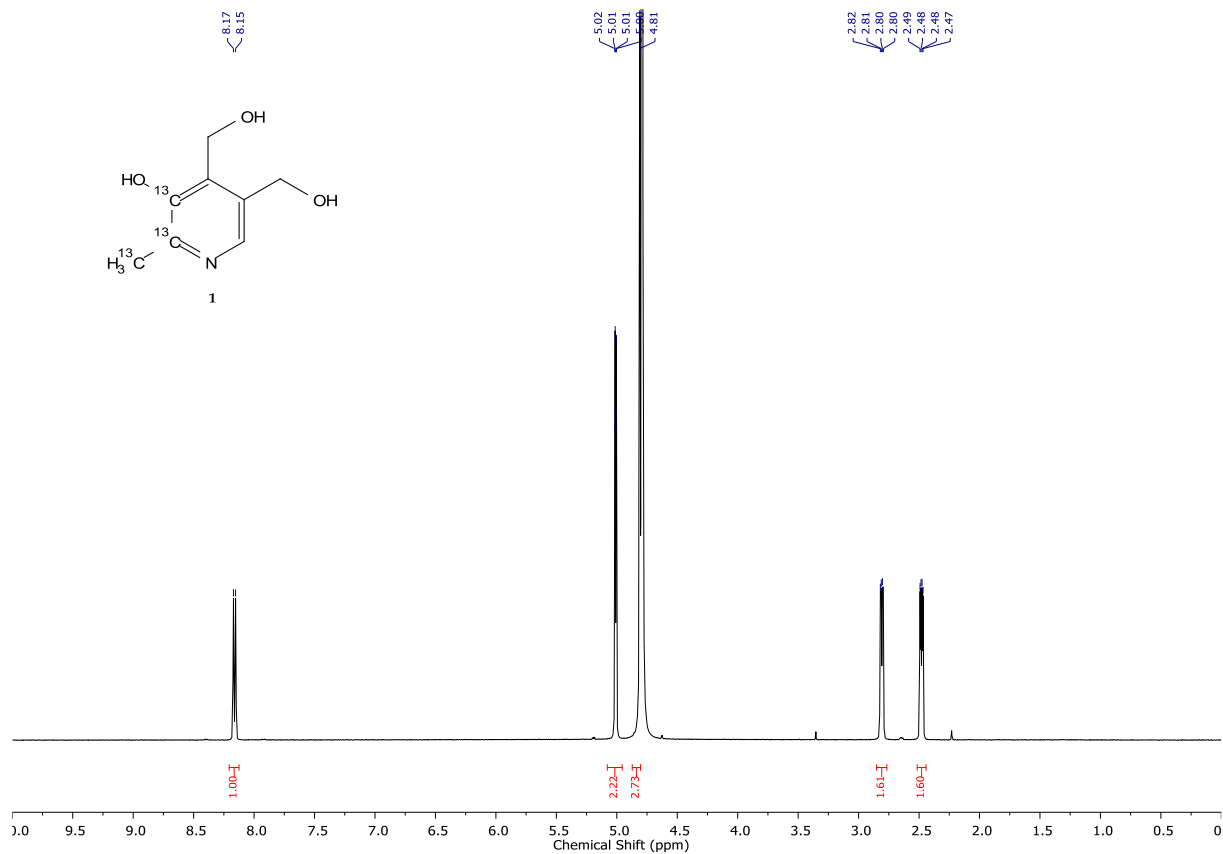
S12. ^{13}C spectrum of 5-butoxy-4-($^{13}\text{C}_1$)methyl(4,5- $^{13}\text{C}_2$)oxazole



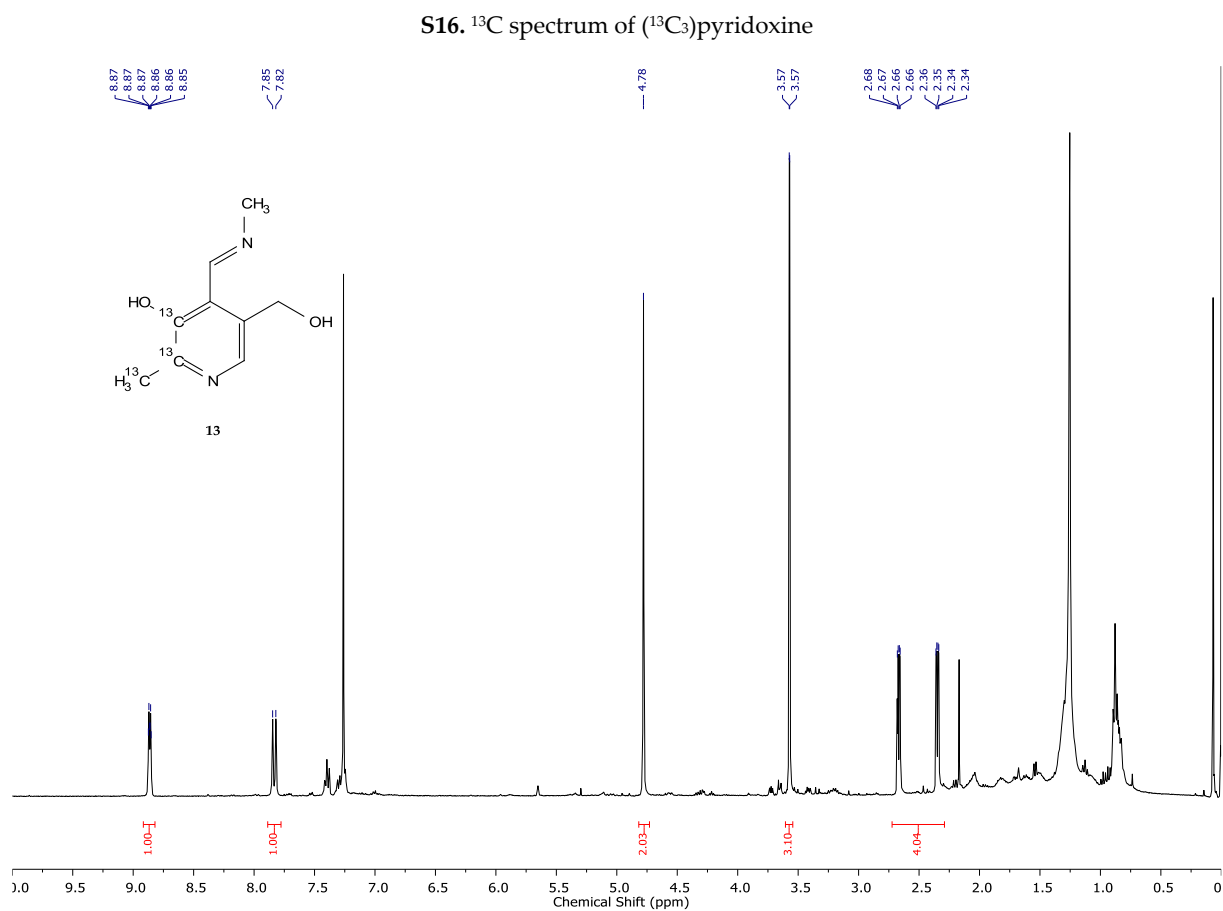
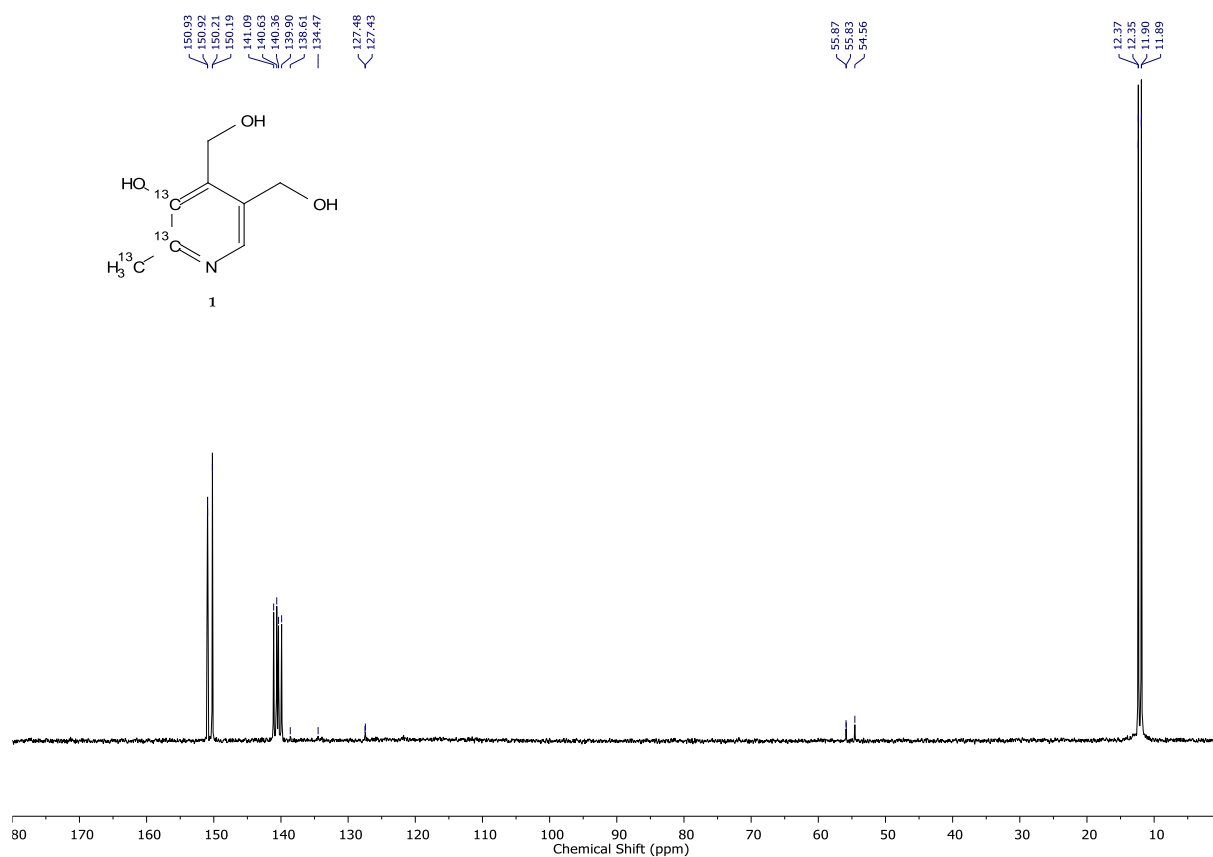
S13. ^1H spectrum of 2-($^{13}\text{C}_1$)methyl-3-hydroxy-4,5-epoxydimethyl(2,3- $^{13}\text{C}_2$)pyridine

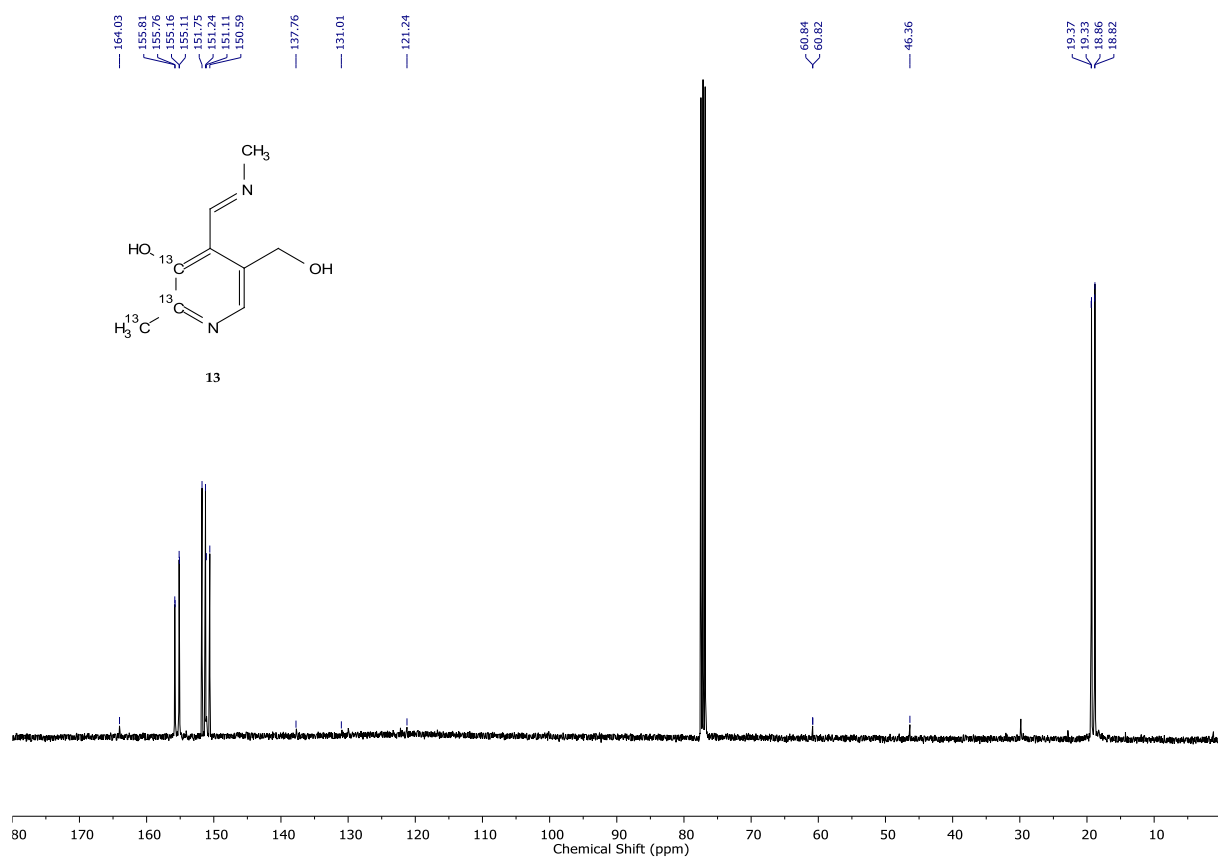


S14. ^{13}C spectrum of 2-($^{13}\text{C}_1$)methyl-3-hydroxy-4,5-epoxydimethyl(2,3- $^{13}\text{C}_2$)pyridine

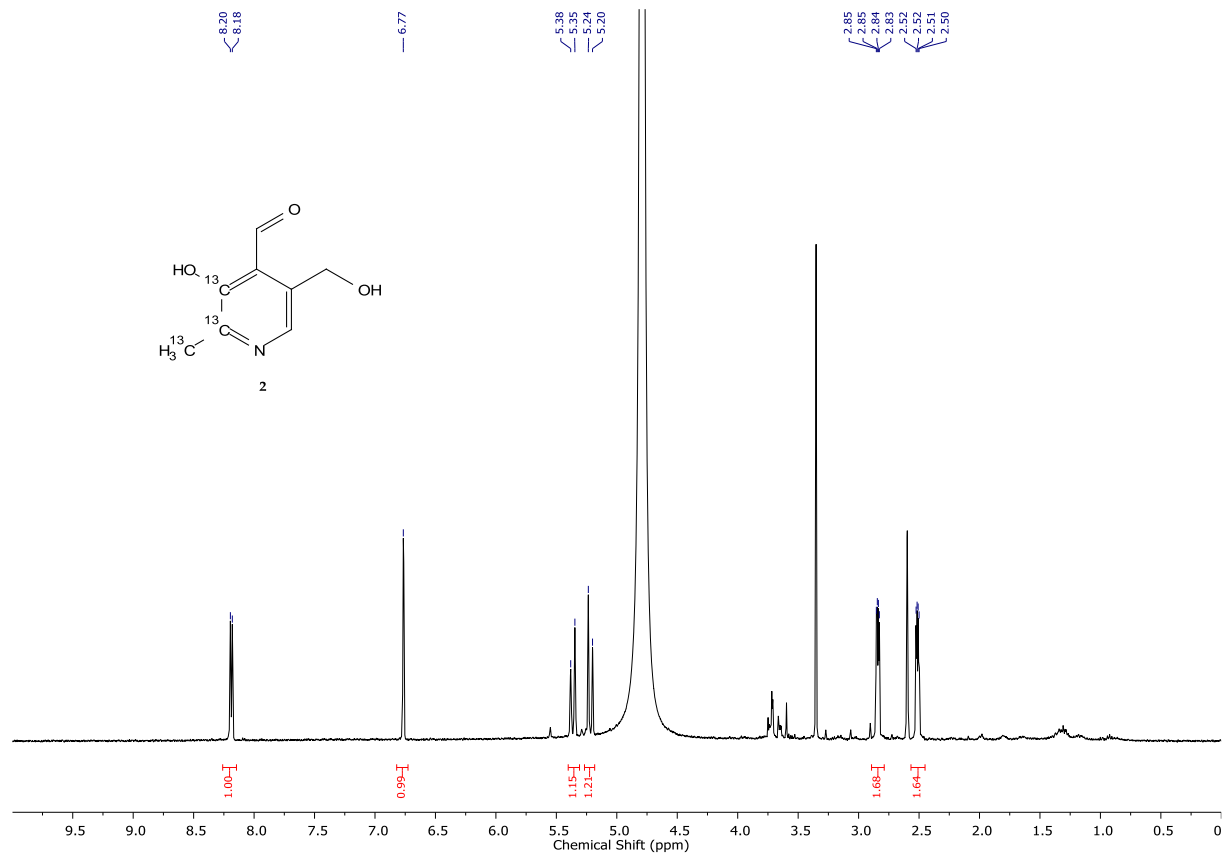


S15. ^1H spectrum of ($^{13}\text{C}_3$)pyridoxine

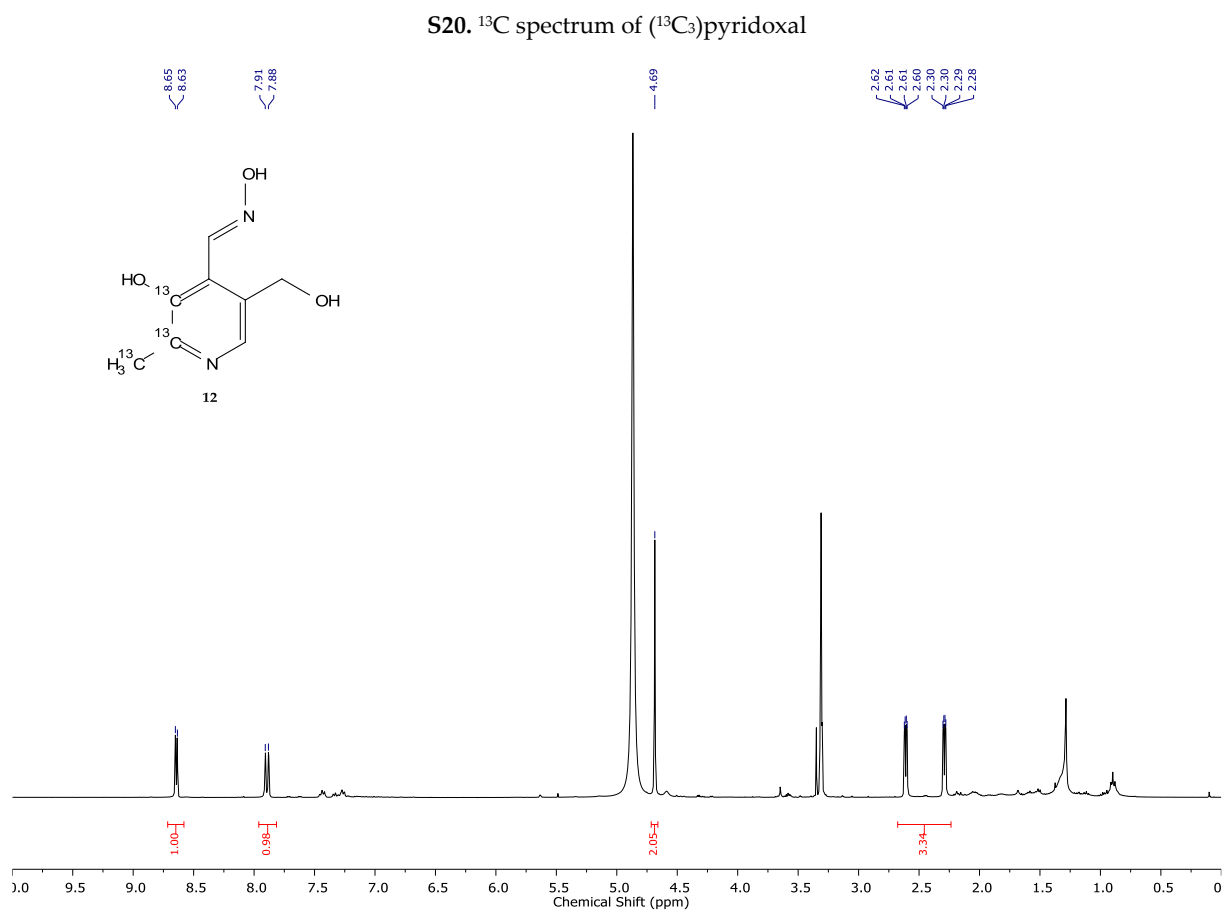
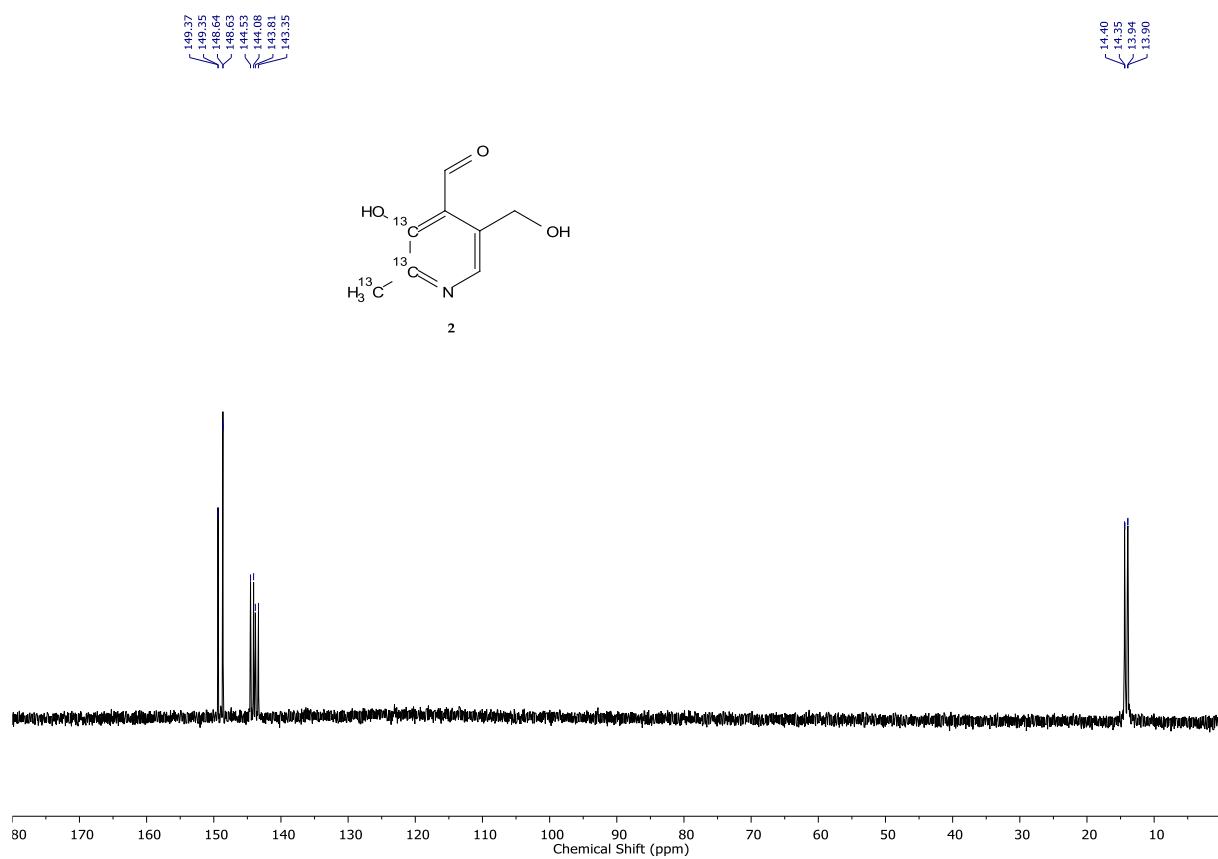




S18. ^{13}C spectrum of ($^{13}\text{C}_3$)N-(pyridoxylidene)methylamine

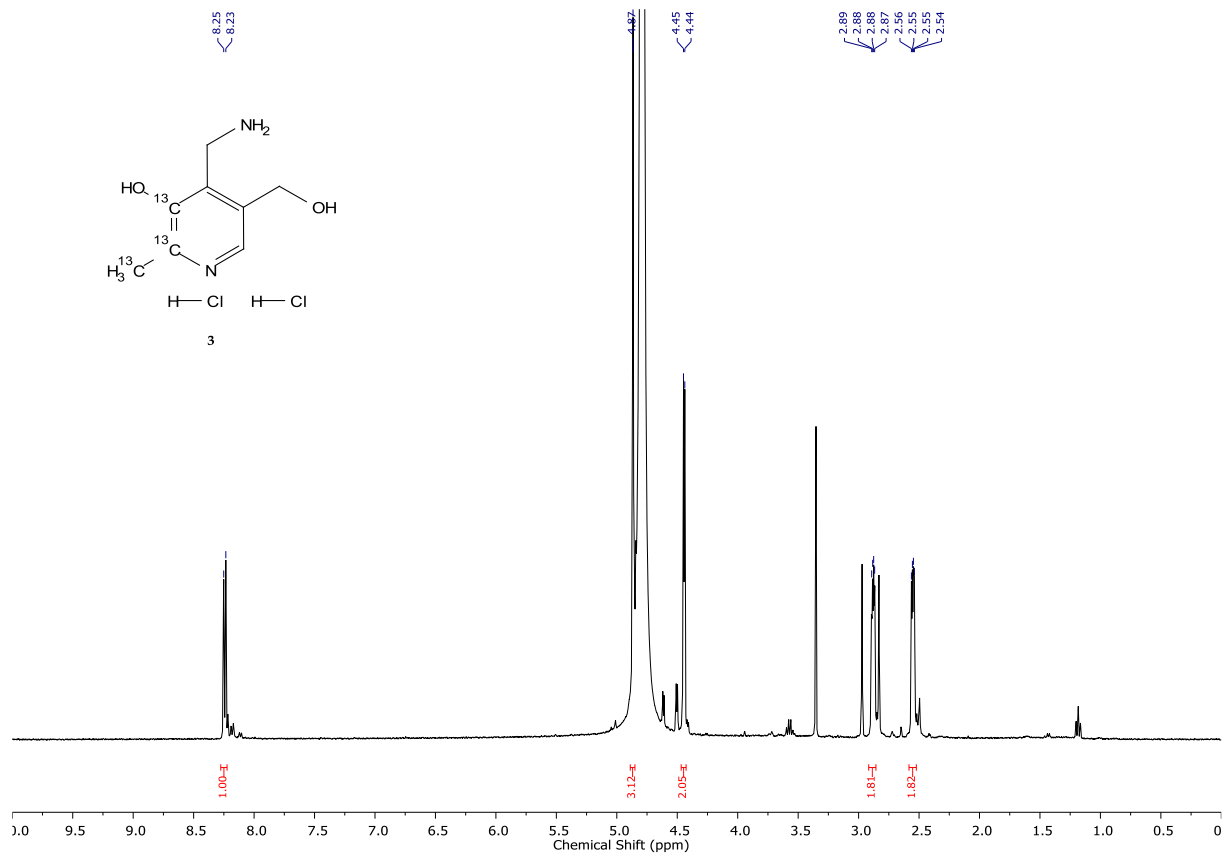


S19. ^1H spectrum of ($^{13}\text{C}_3$)pyridoxal

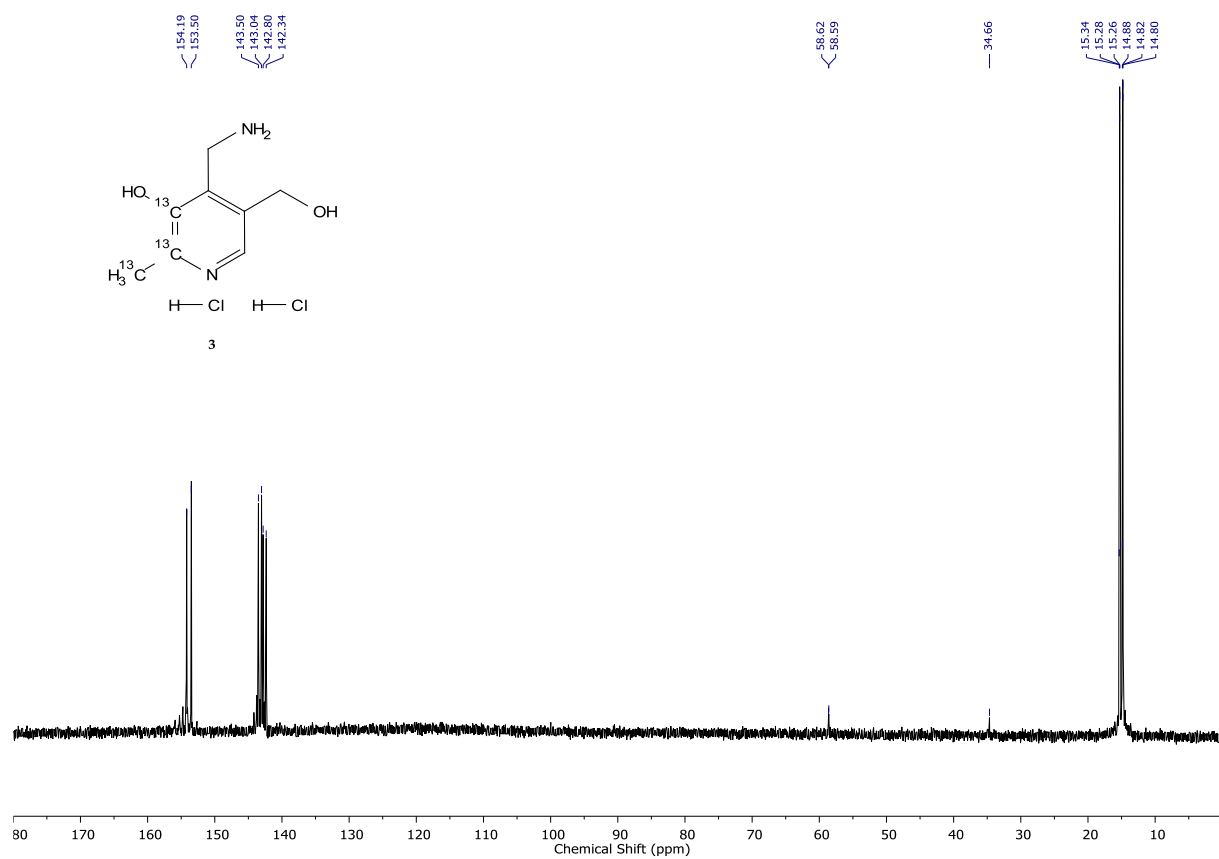




S22. ^{13}C spectrum of $(^{13}\text{C}_3)\text{N}-(\text{pyridoxylidene})\text{hydroxylamine}$



S23. ^1H spectrum of $(^{13}\text{C}_3)\text{pyridoxamine}$



S24. ^{13}C spectrum of $(^{13}\text{C}_3)$ pyridoxamine