

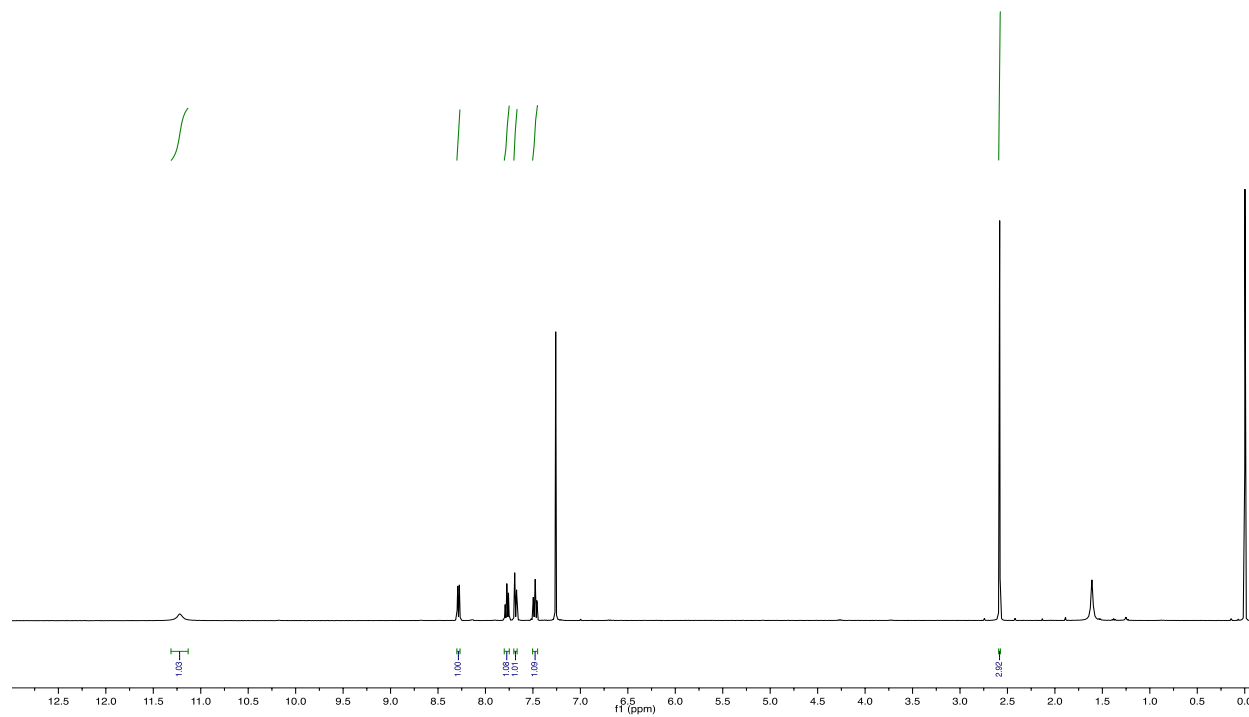
**Quinazolin-4(3*H*)-ones and 5,6-dihydropyrimidin-4(3*H*)-ones
from β -aminoamides and orthoesters**

Joshua T. Gavin, Joel K. Annor-Gyamfi and Richard A. Bunce*
Department of Chemistry, Oklahoma State University, Stillwater, OK 74078-3071

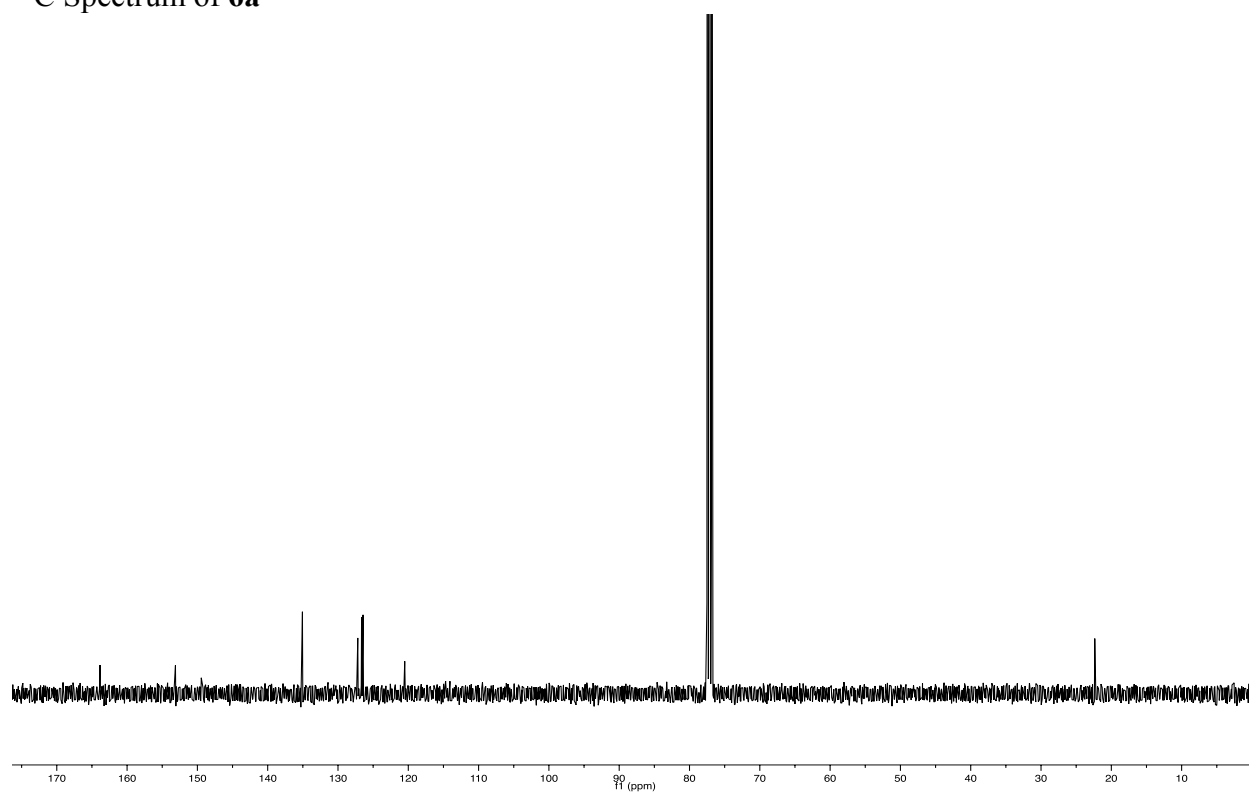
Supplementary Information

Copies of ^1H and ^{13}C NMR spectra for quinazolin-4(3*H*)-ones and
5,6-dihydropyrimidin-4(3*H*)-ones..... 1-34

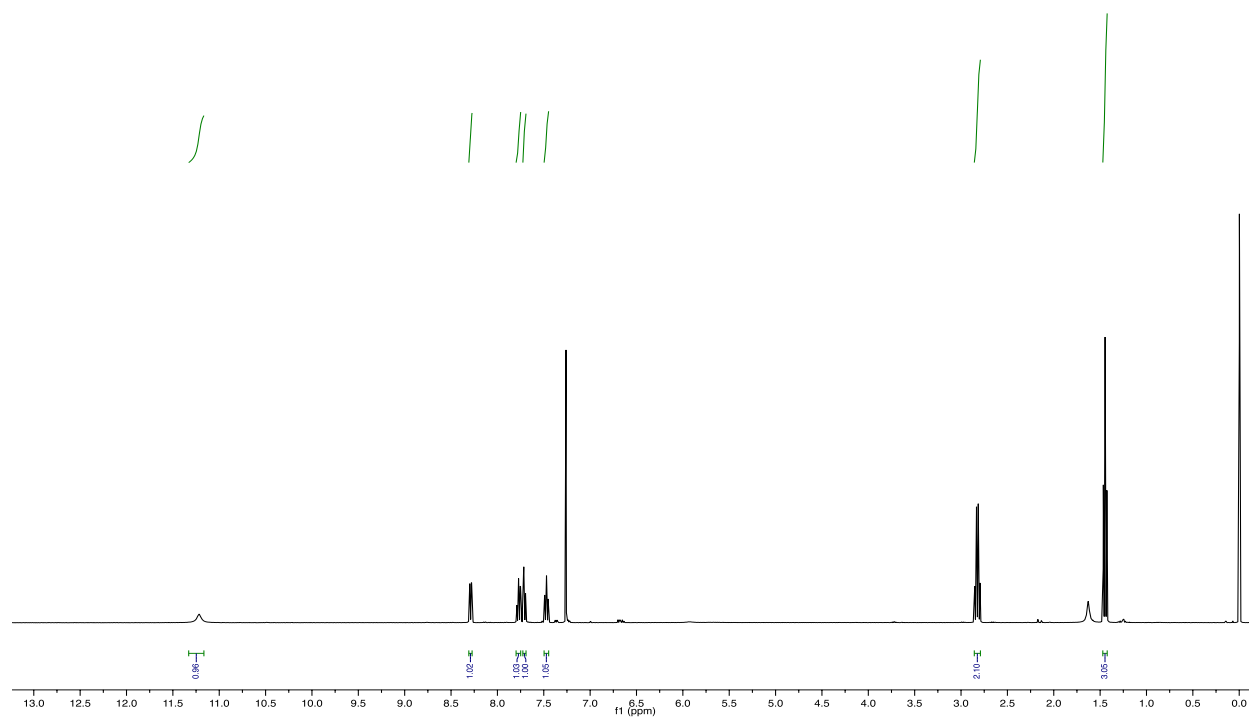
¹H Spectrum of 2-Methylquinazolin-4(3*H*)-one (**6a**)



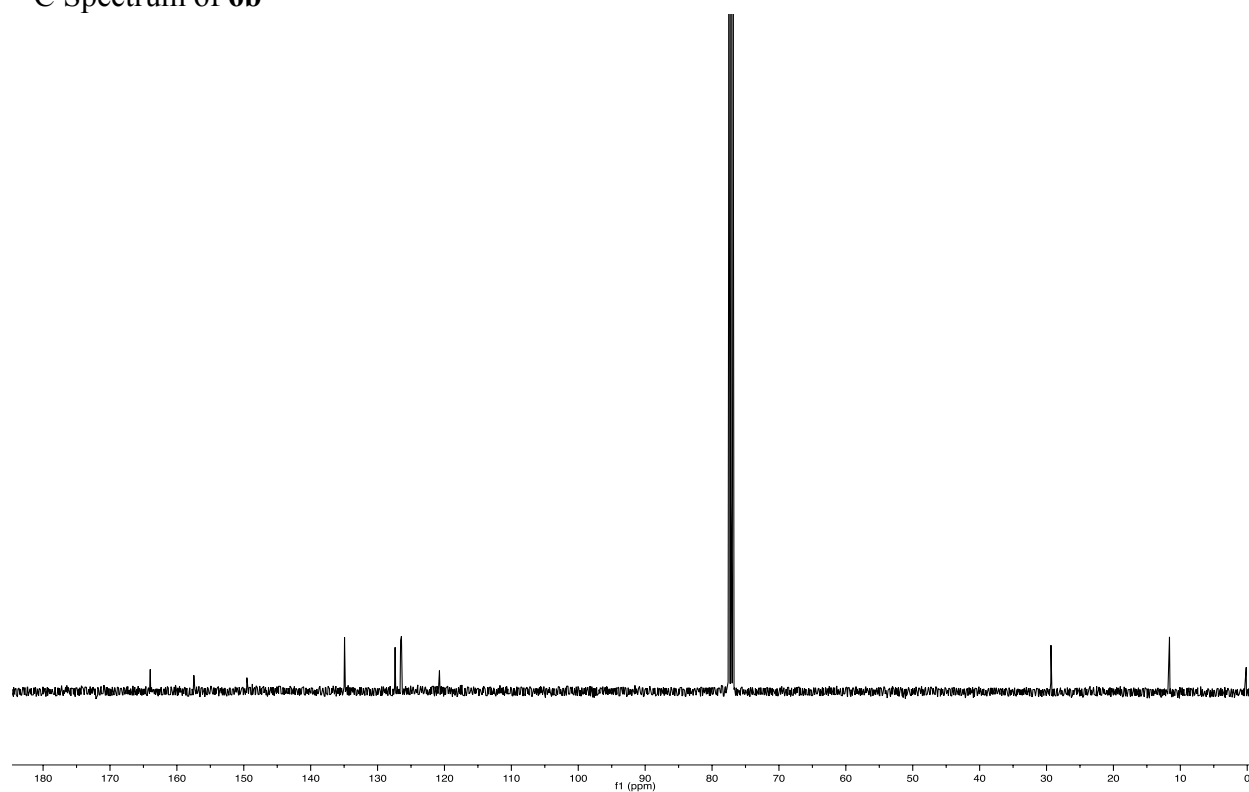
¹³C Spectrum of **6a**



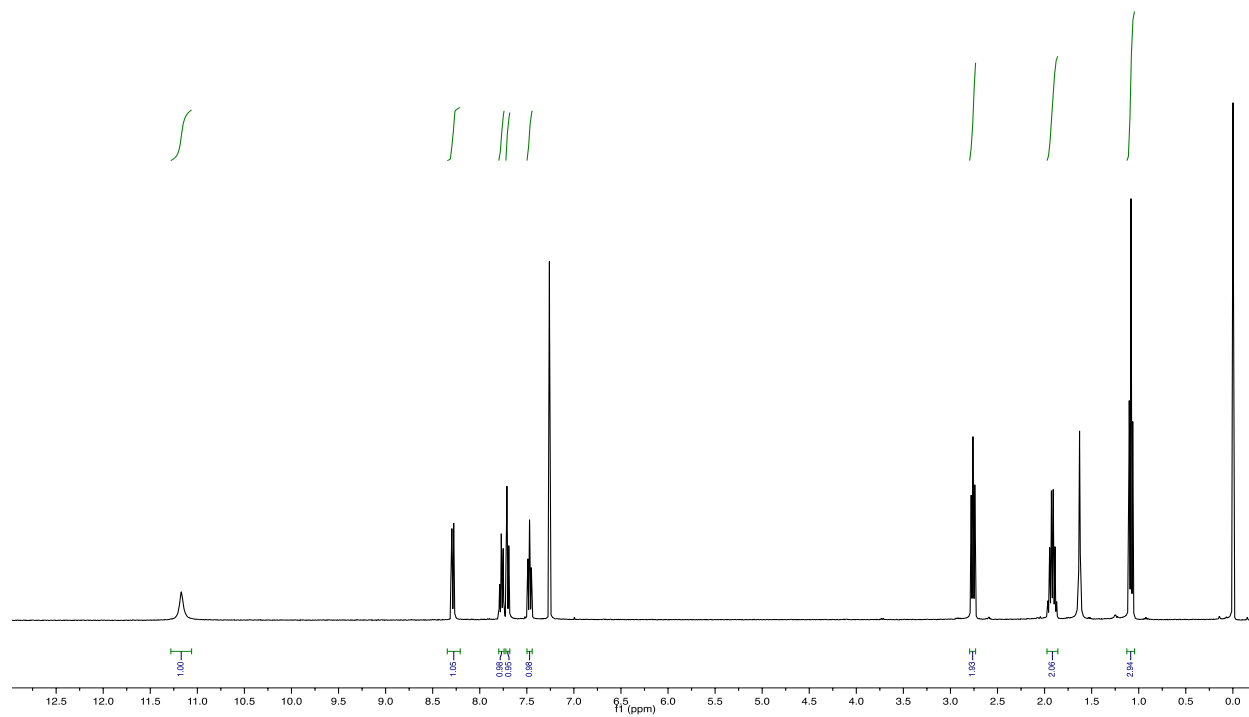
¹H Spectrum of 2-Ethylquinazolin-4(3H)-one (**6b**)



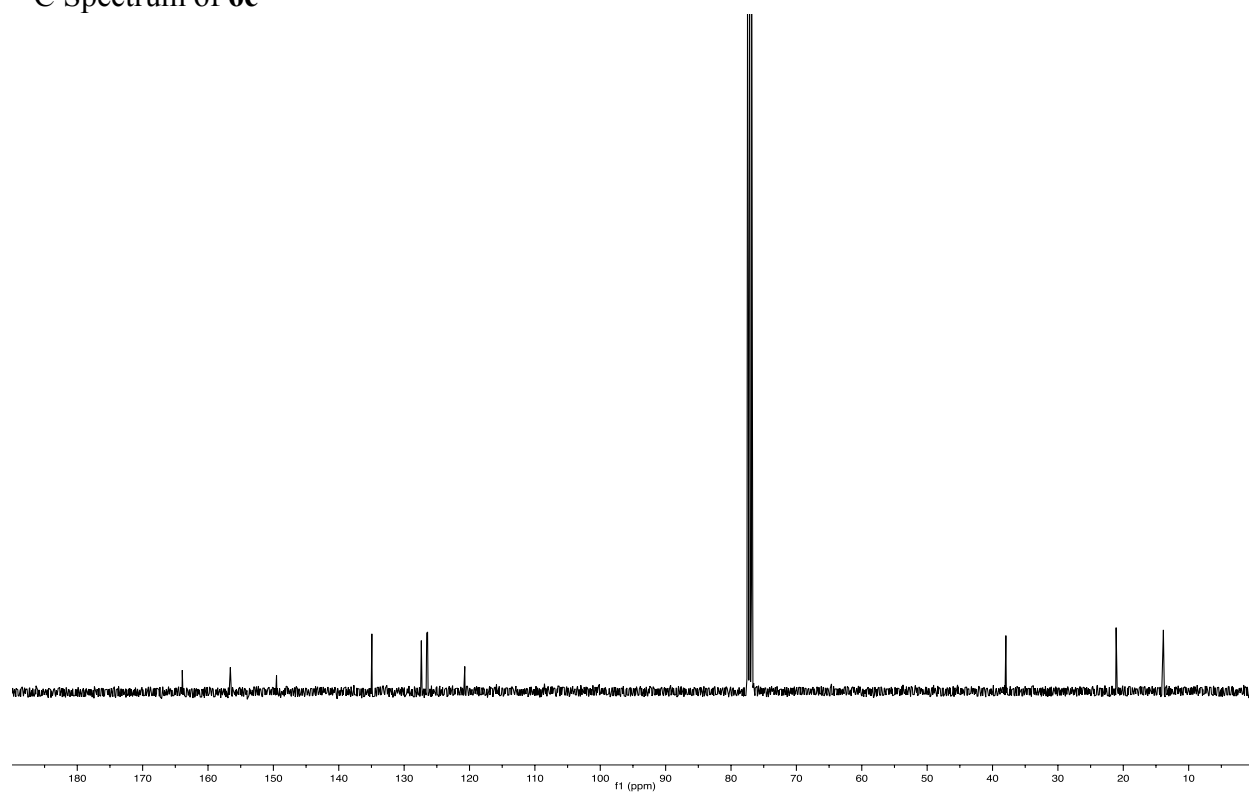
¹³C Spectrum of **6b**



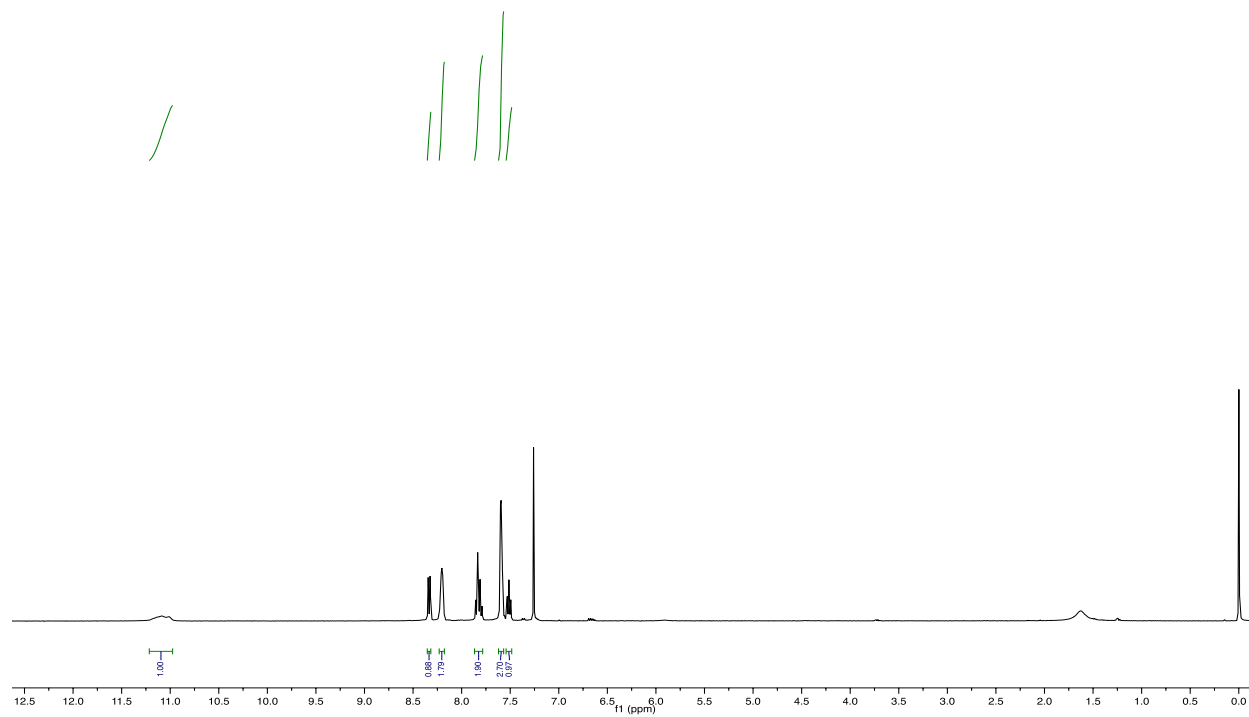
¹H Spectrum of 2-Propylquinazolin-4(3H)-one (**6c**)



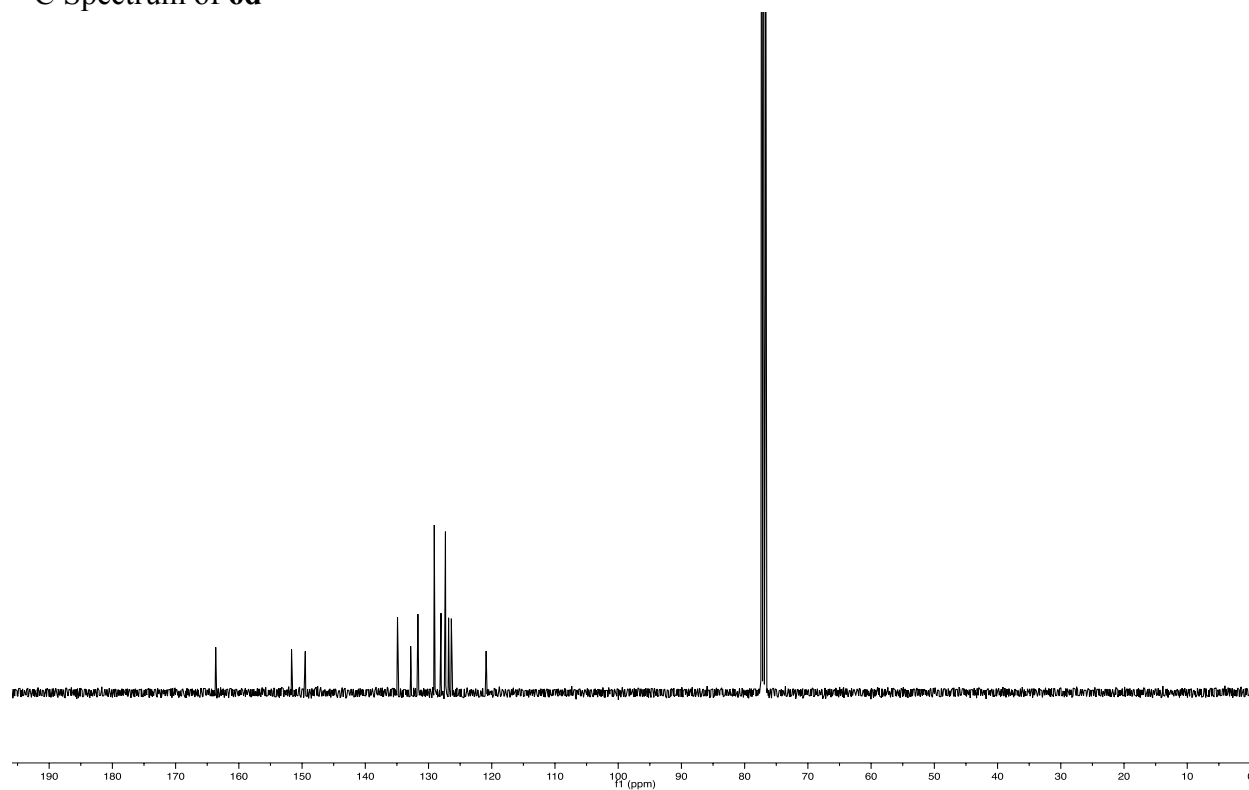
¹³C Spectrum of **6c**



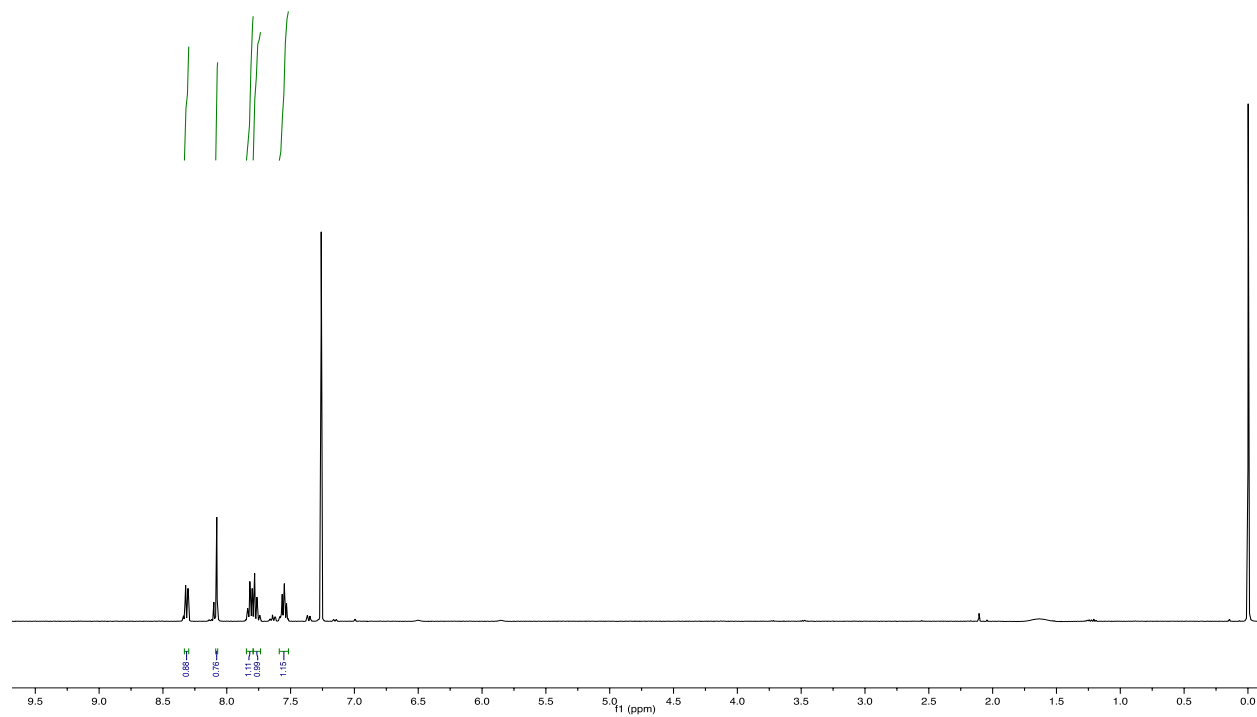
¹H Spectrum of 2-Phenylquinazolin-4(3H)-one (**6d**)



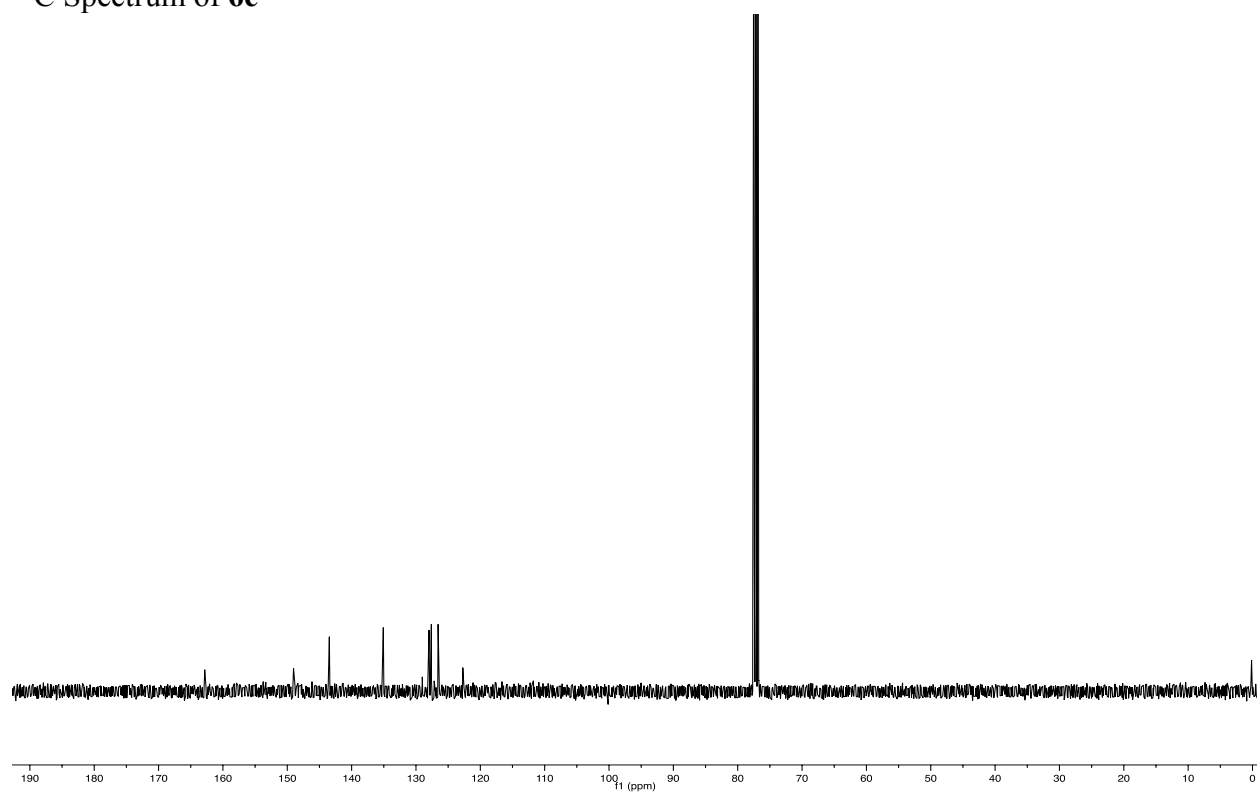
¹³C Spectrum of **6d**



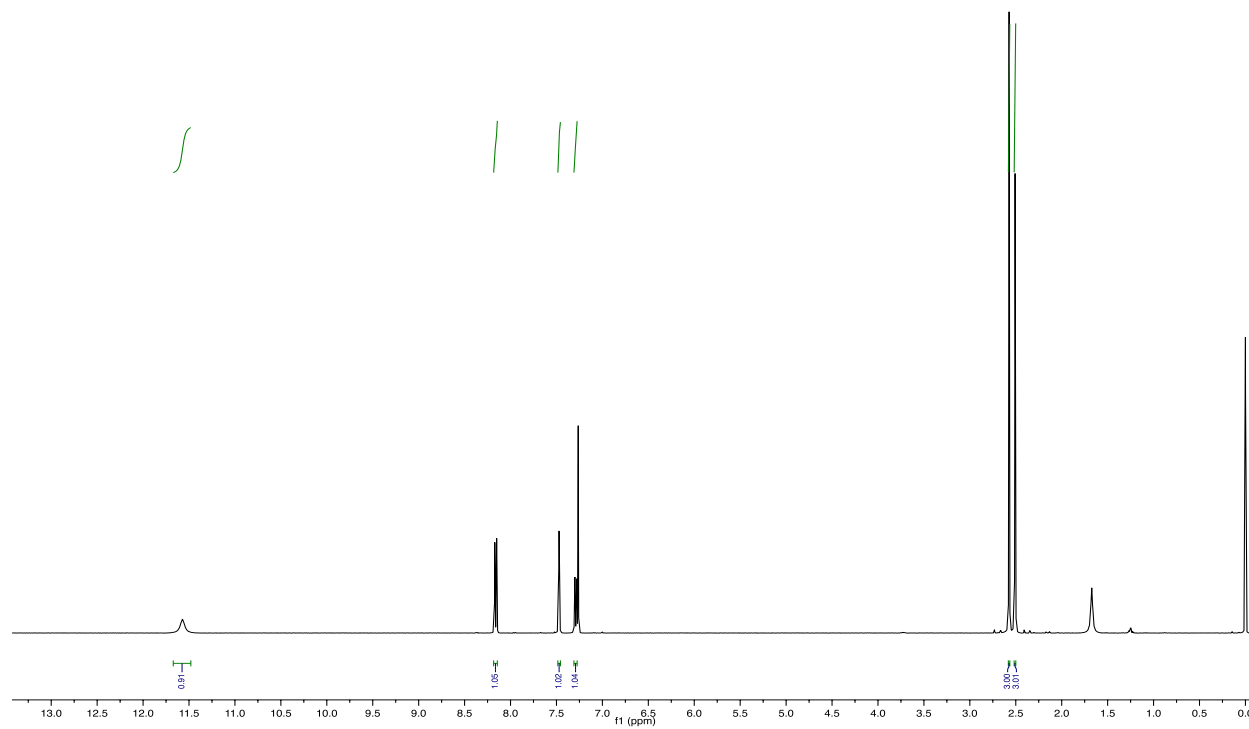
¹H Spectrum of Quinazolin-4(3*H*)-one (**6e**)



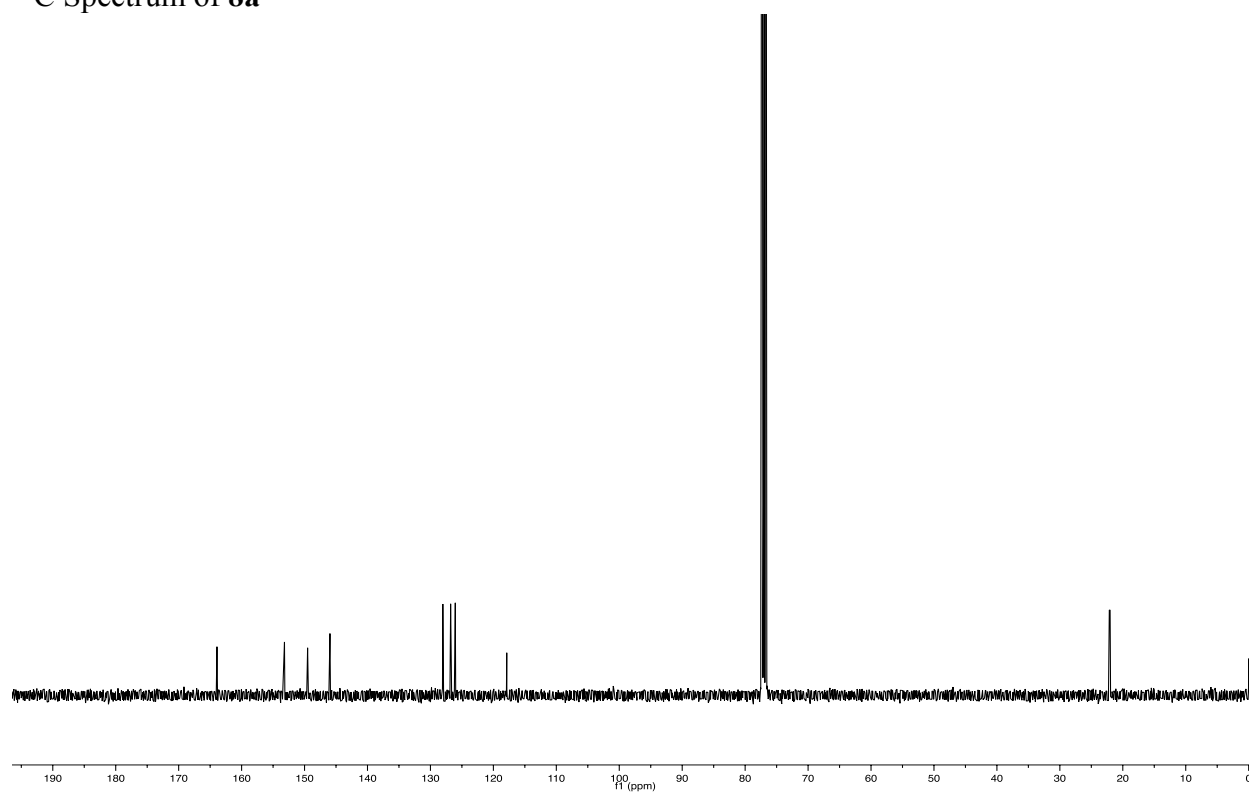
¹³C Spectrum of **6e**



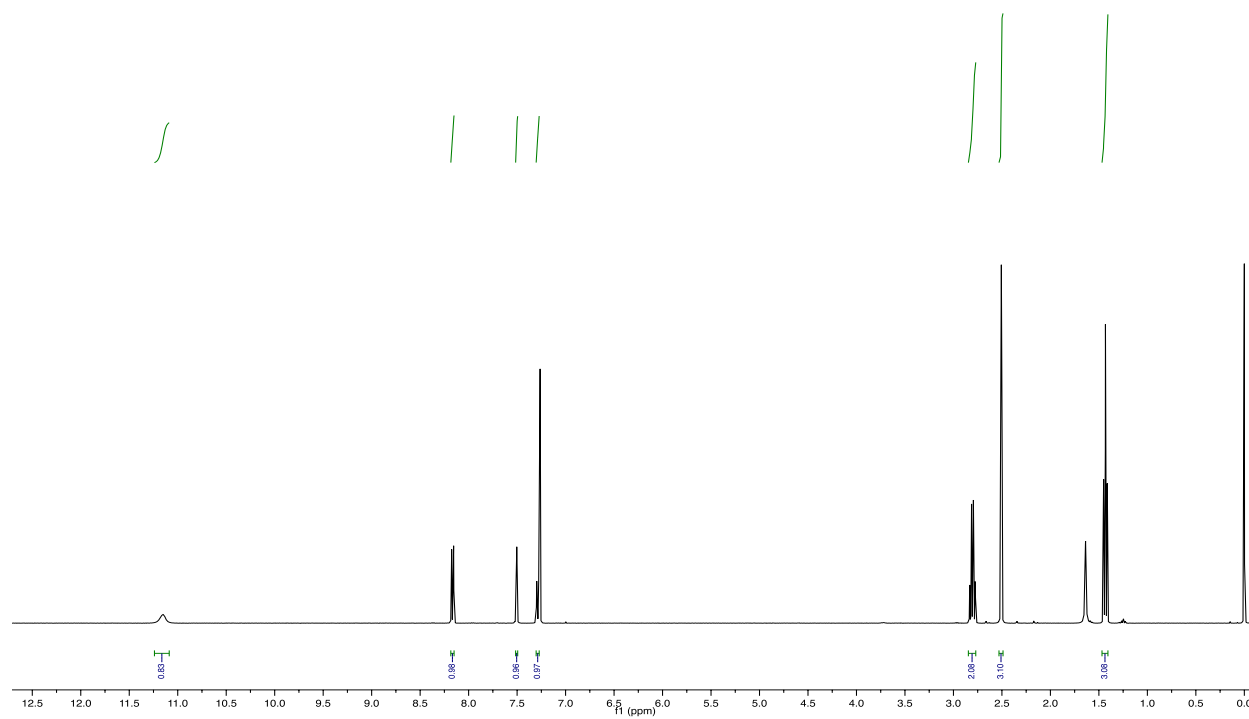
¹H Spectrum of 2,7-Dimethylquinazolin-4(3H)-one (**8a**)



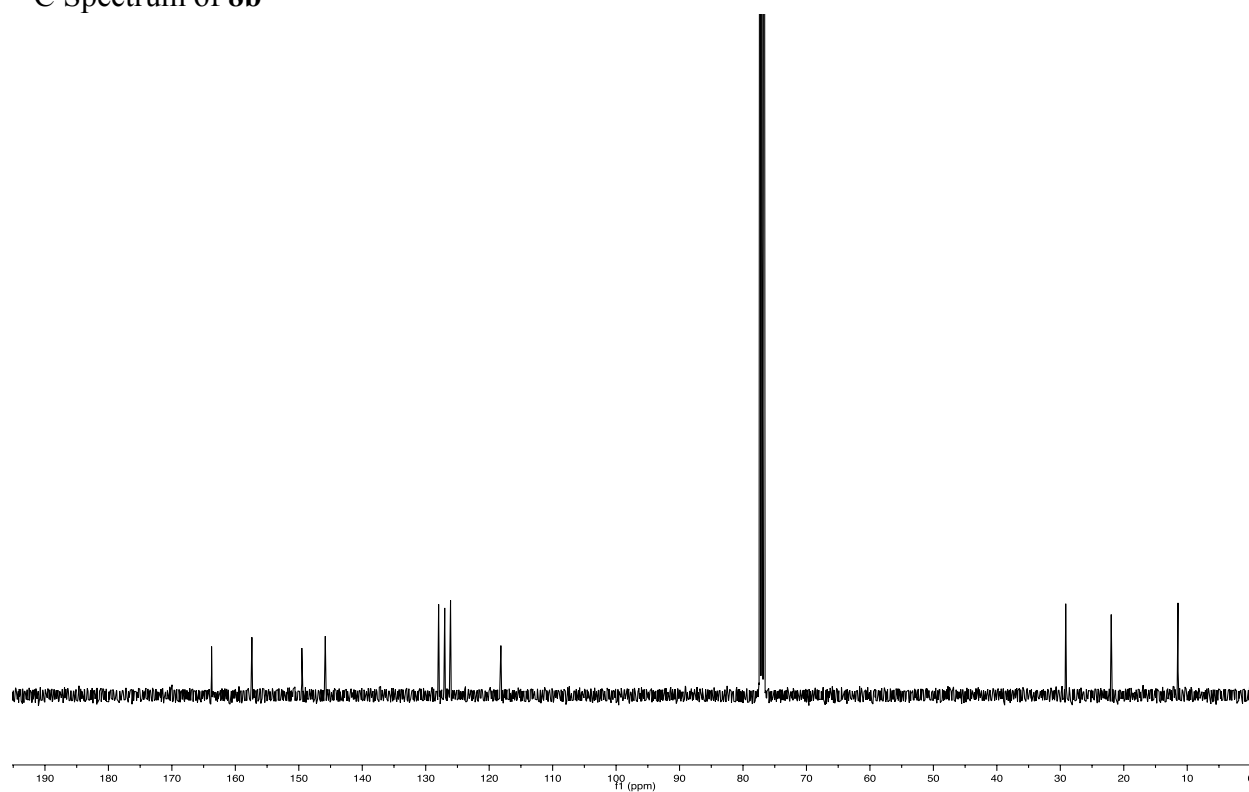
¹³C Spectrum of **8a**



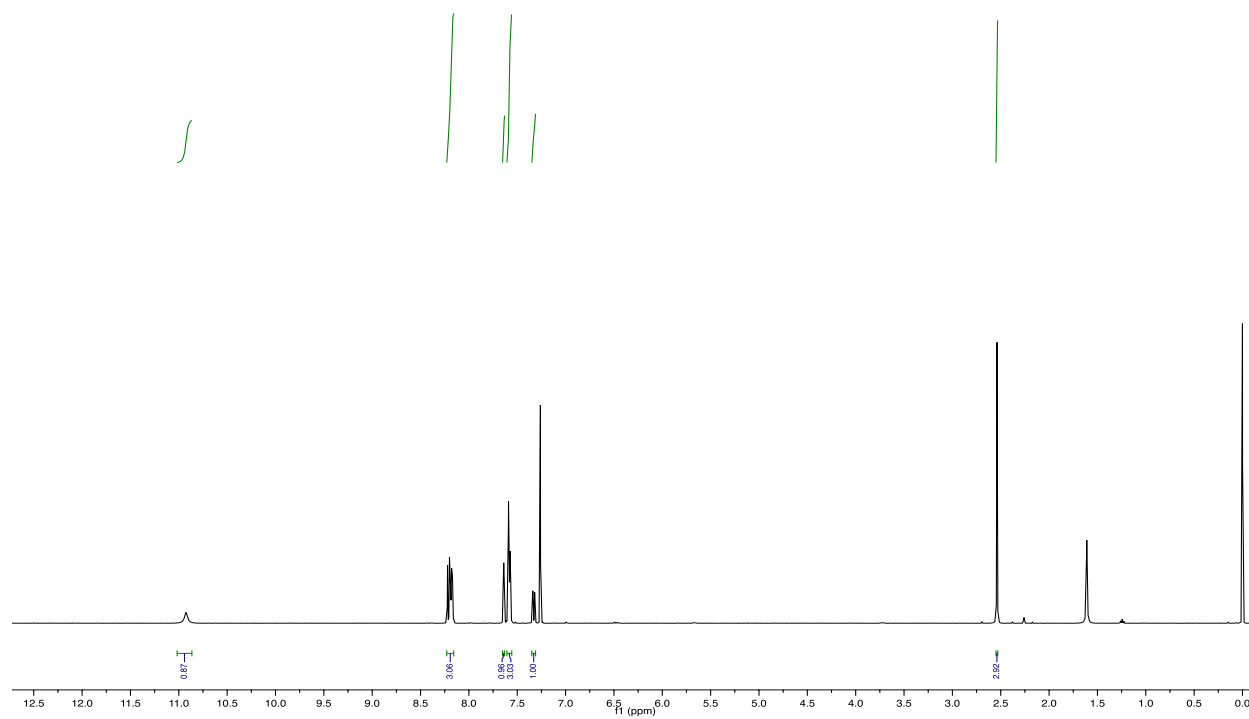
¹H Spectrum of 2-Ethyl-7-methylquinazolin-4(3H)-one (**8b**)



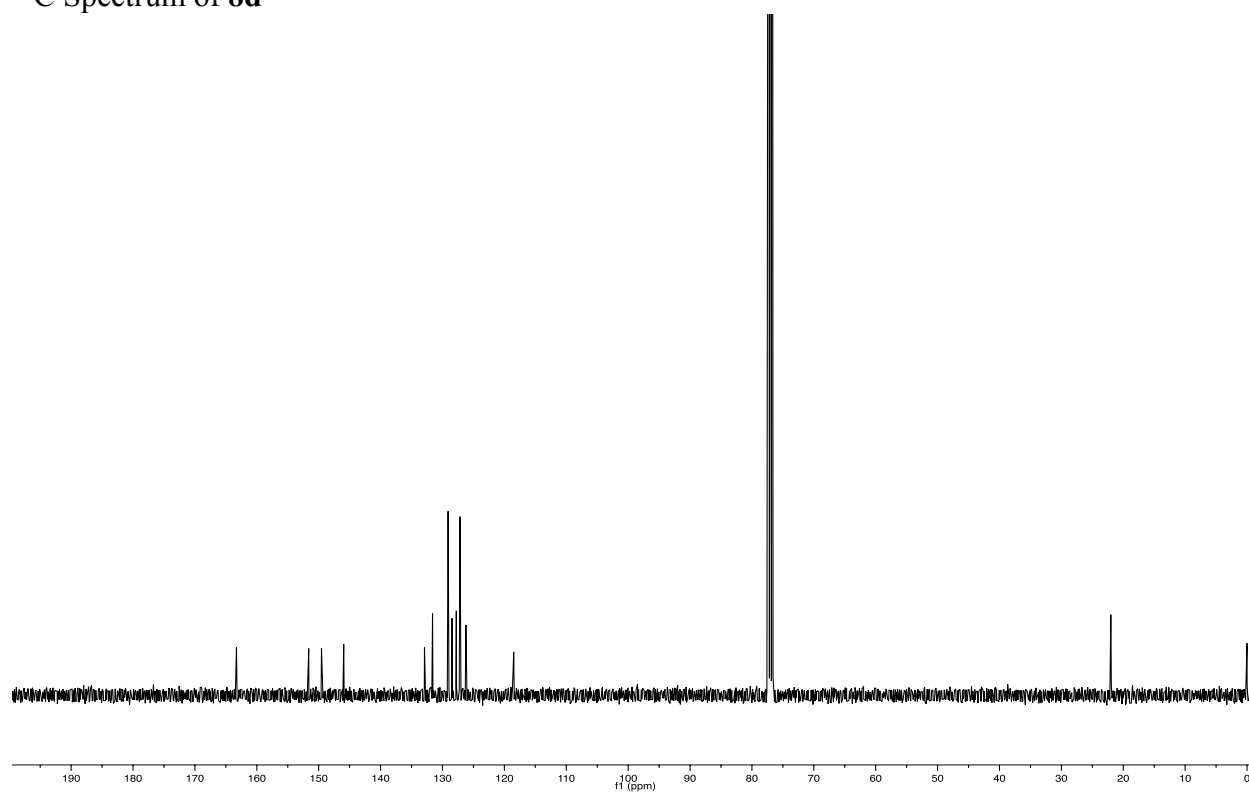
¹³C Spectrum of **8b**



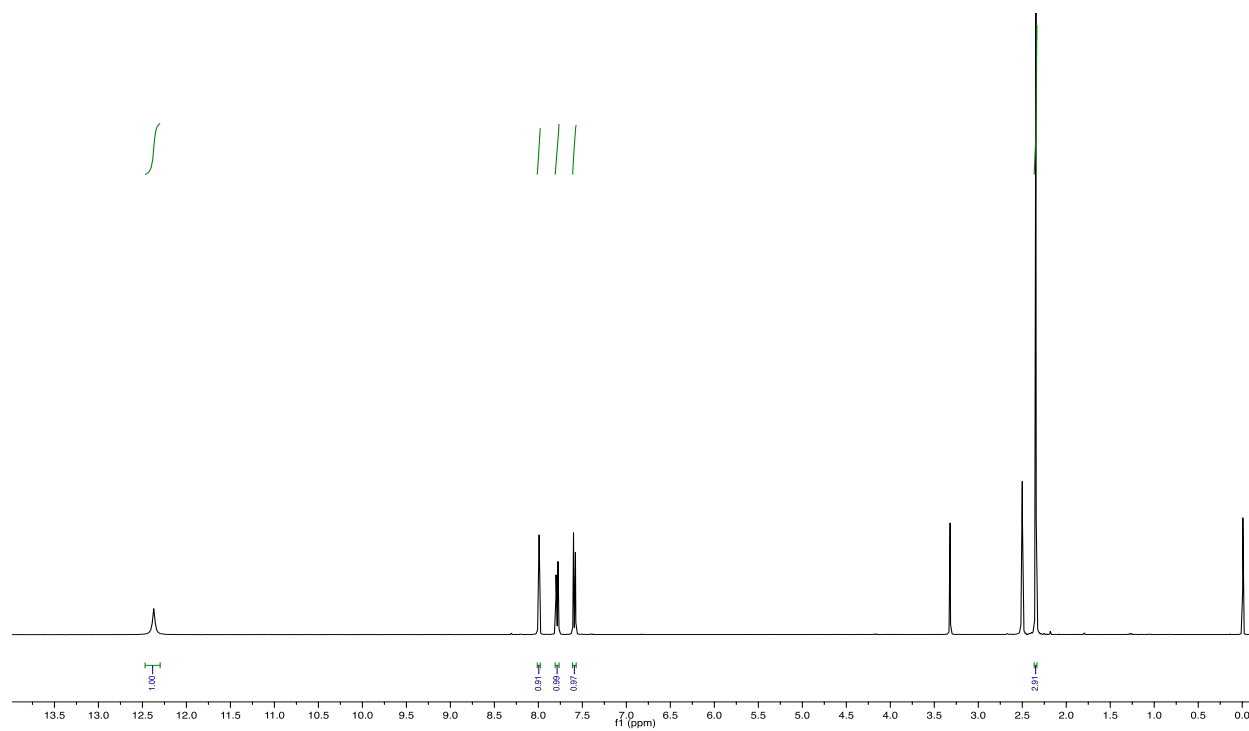
¹H Spectrum of 7-Methyl-2-phenylquinazolin-4(3H)-one (**8d**)



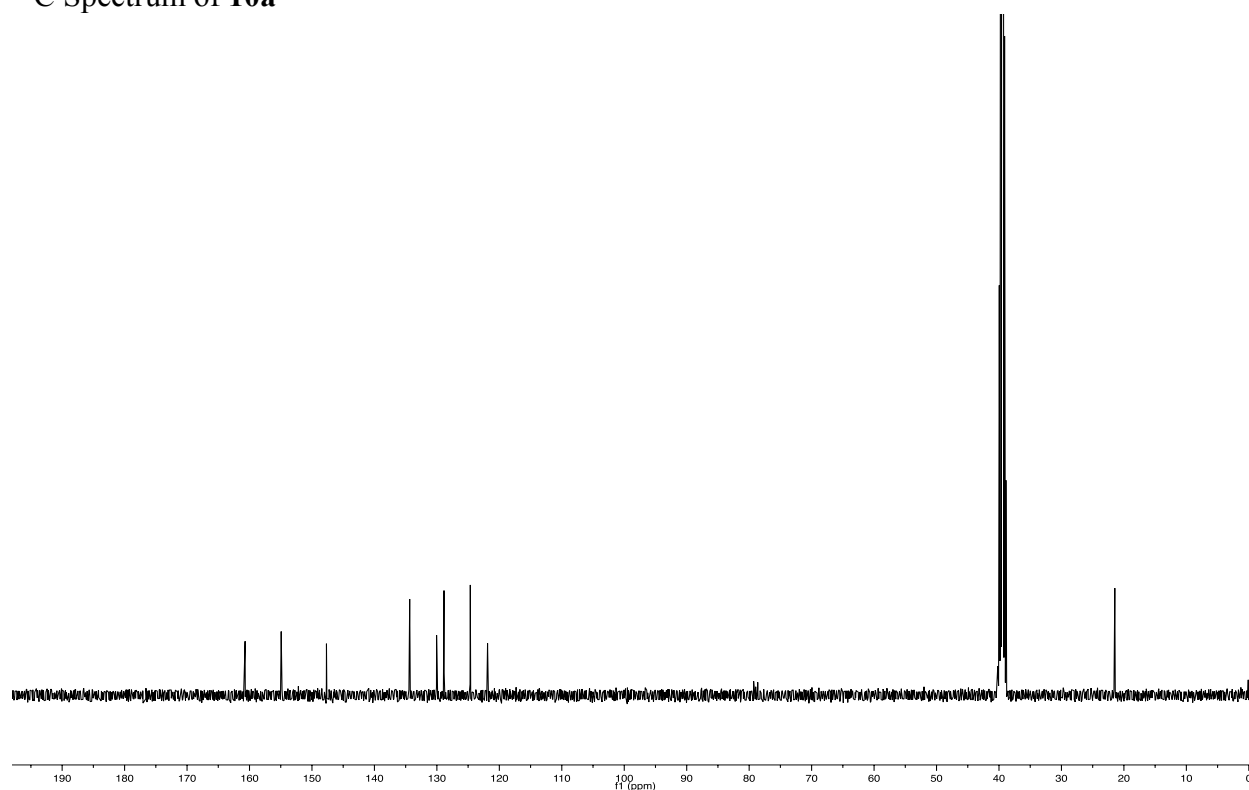
¹³C Spectrum of **8d**



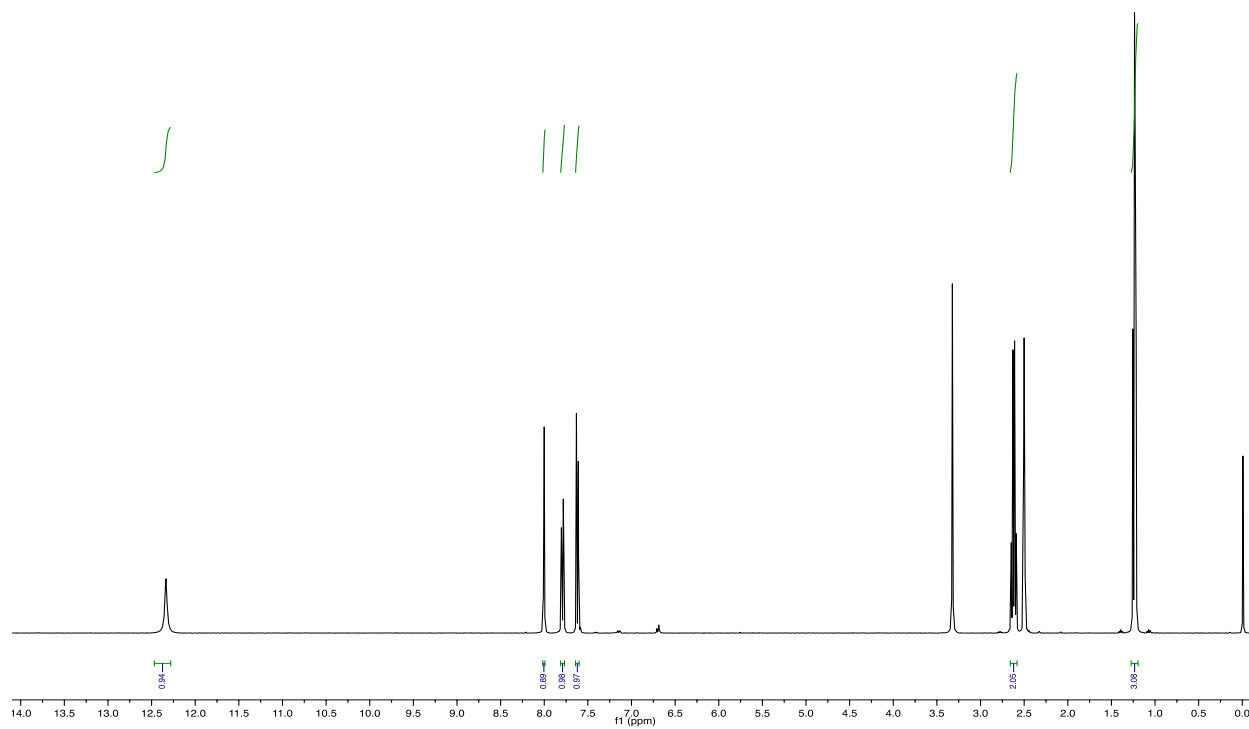
¹H Spectrum of 6-Chloro-2-methylquinazolin-4(3H)-one (**10a**)



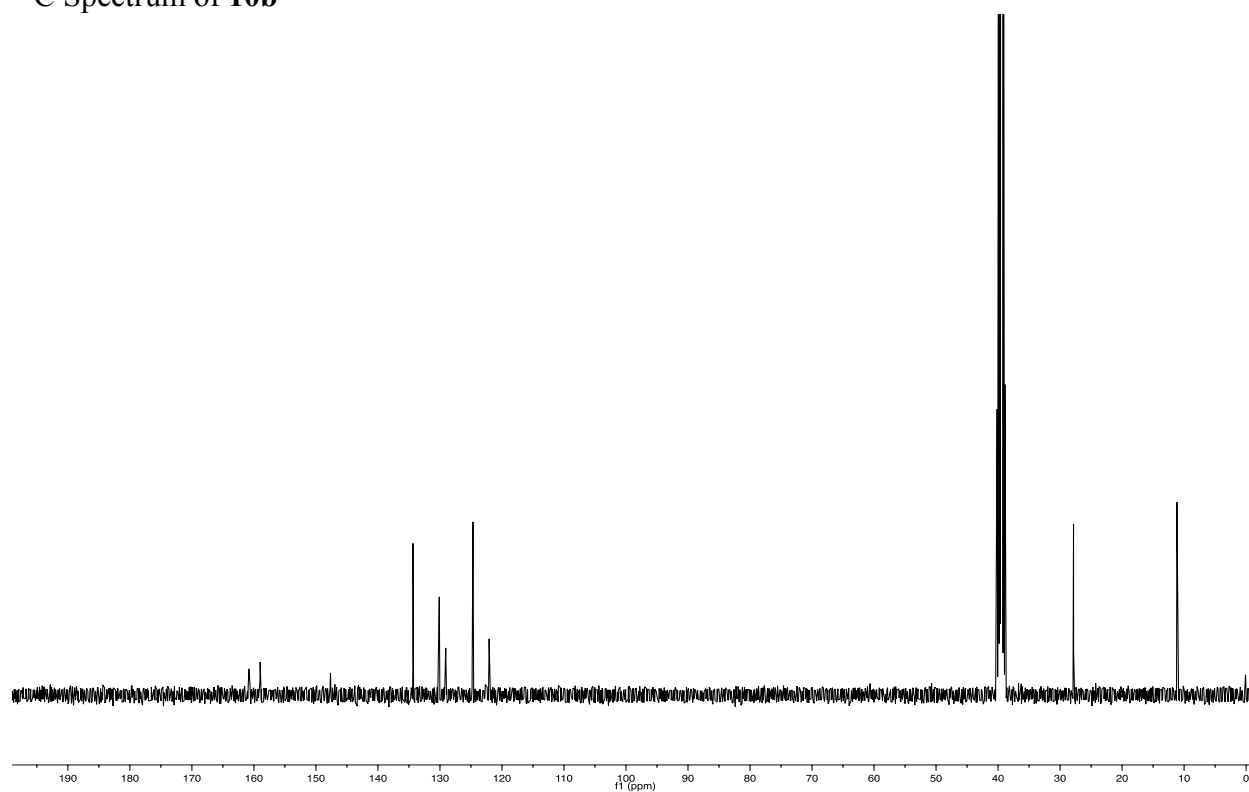
¹³C Spectrum of **10a**



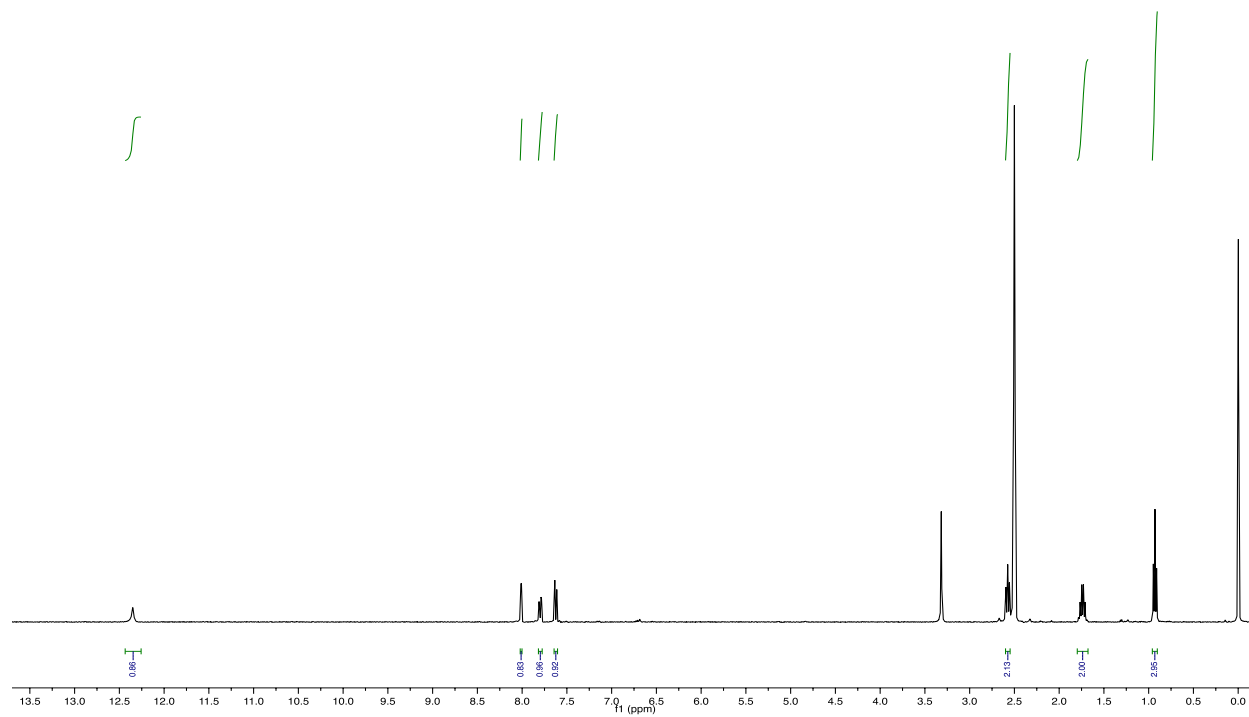
¹H Spectra of 6-Chloro-2-ethylquinazolin-4(3H)-one (**10b**)



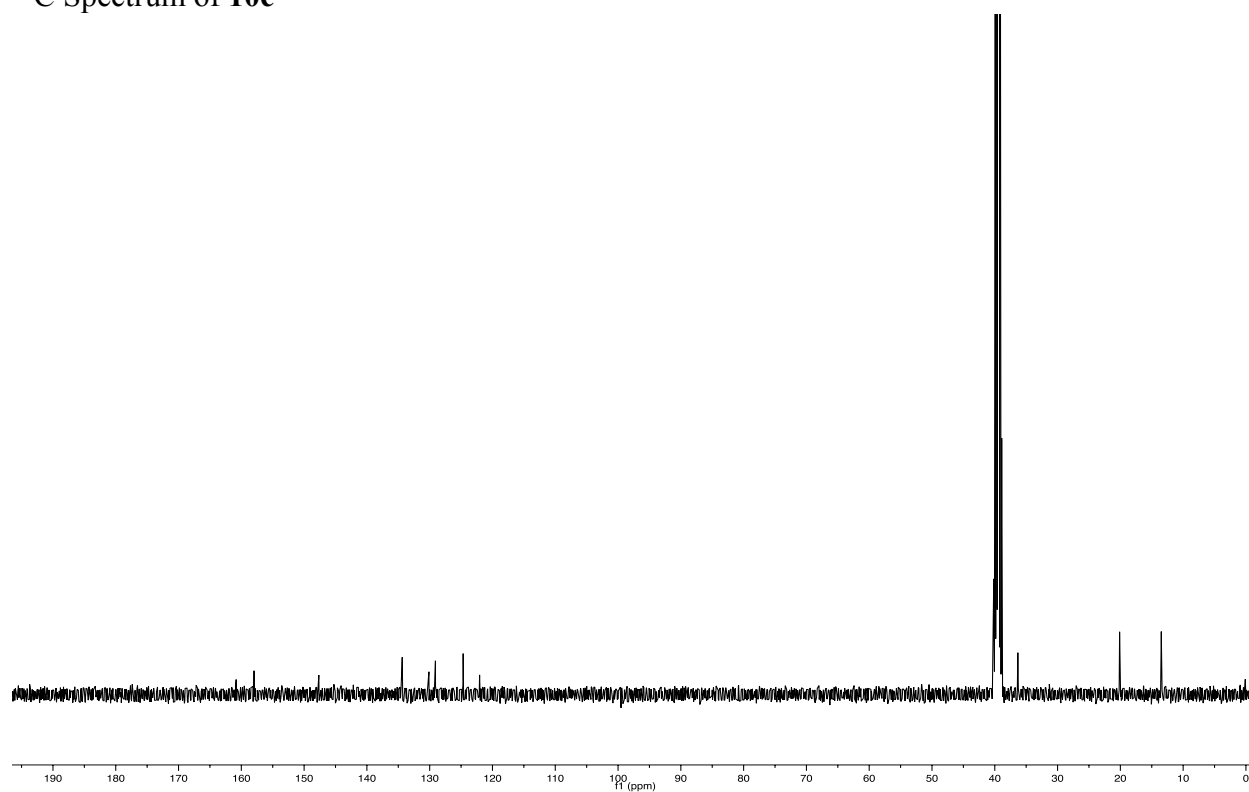
¹³C Spectrum of **10b**



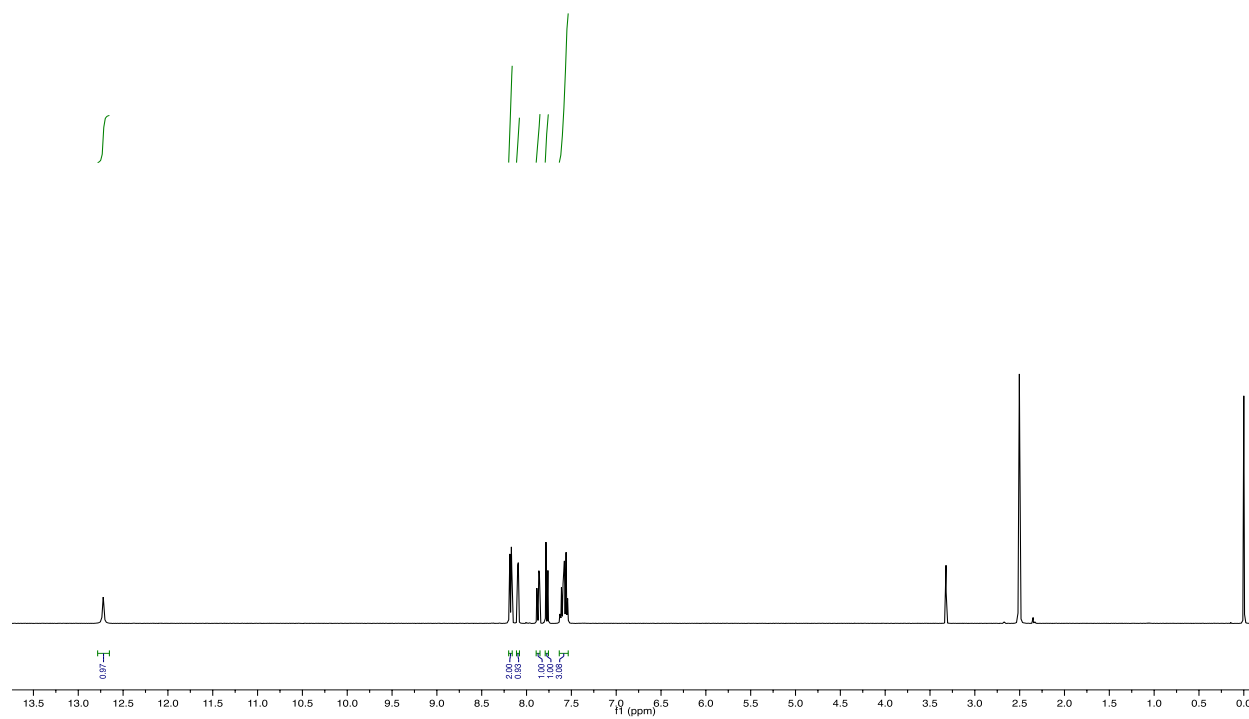
¹H Spectrum of 6-Chloro-2-propylquinazolin-4(3H)-one (**10c**)



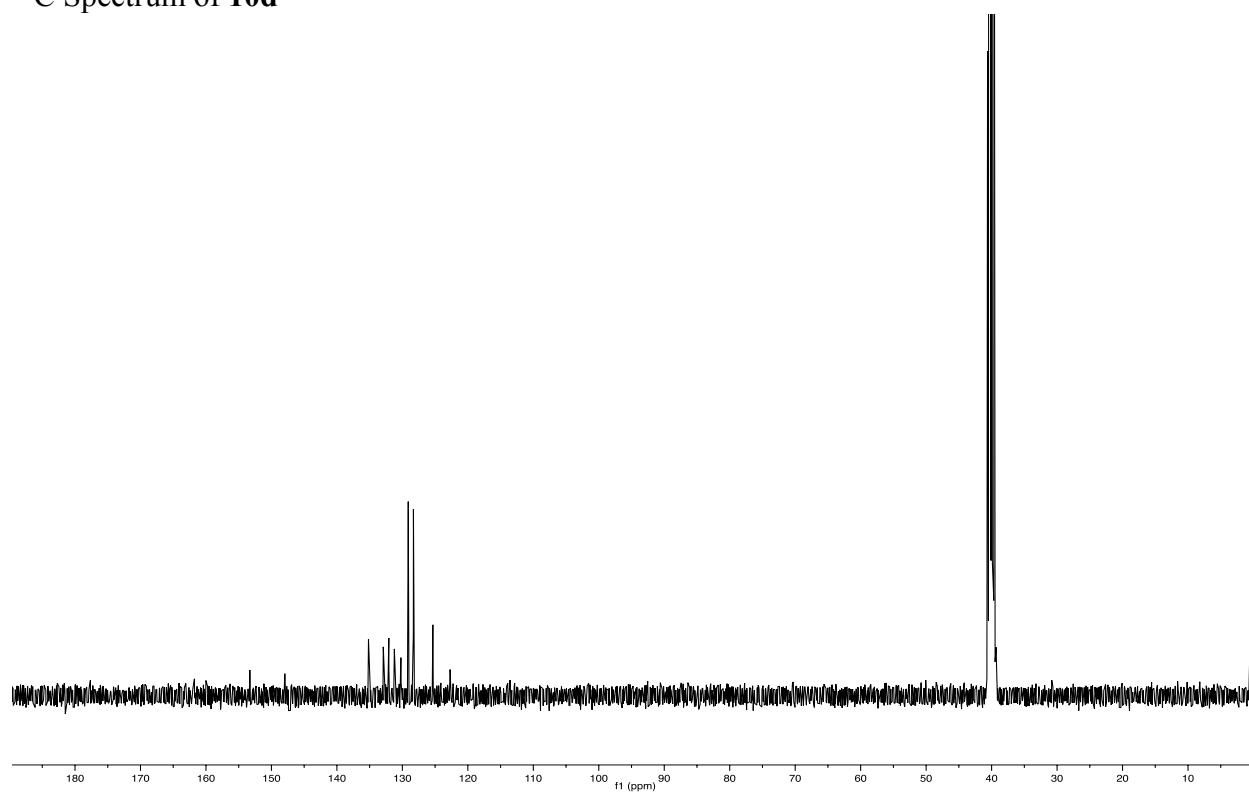
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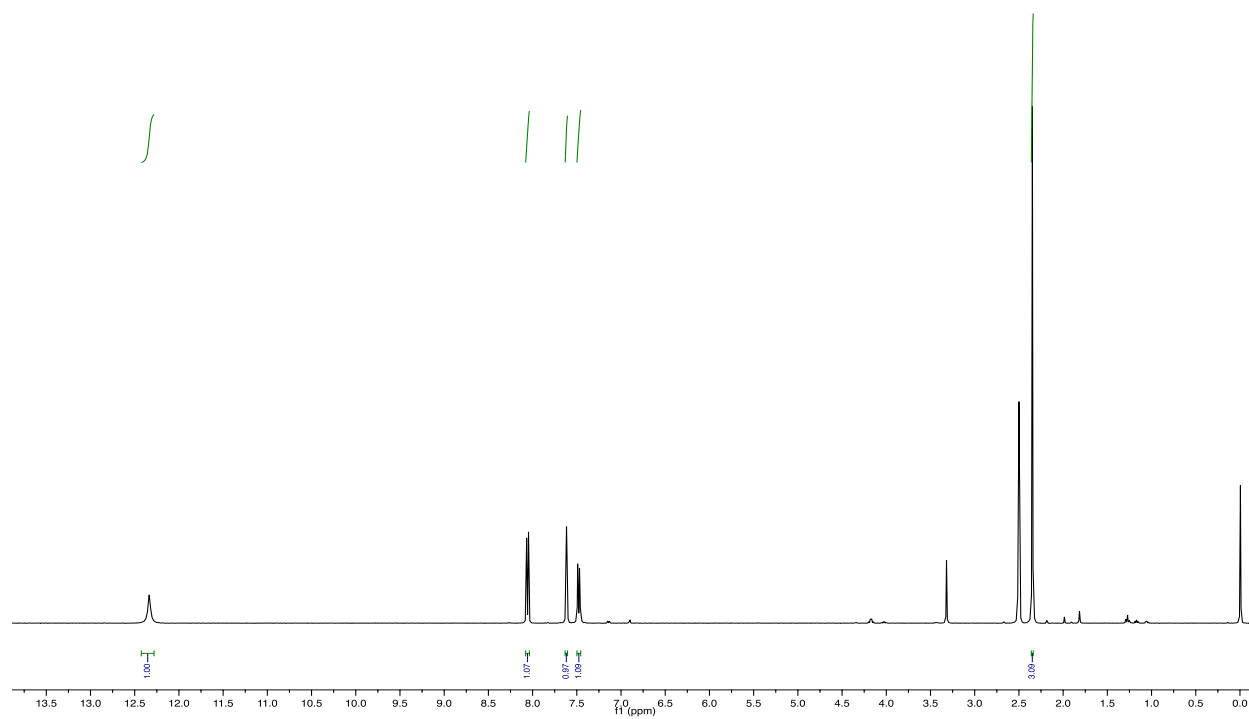
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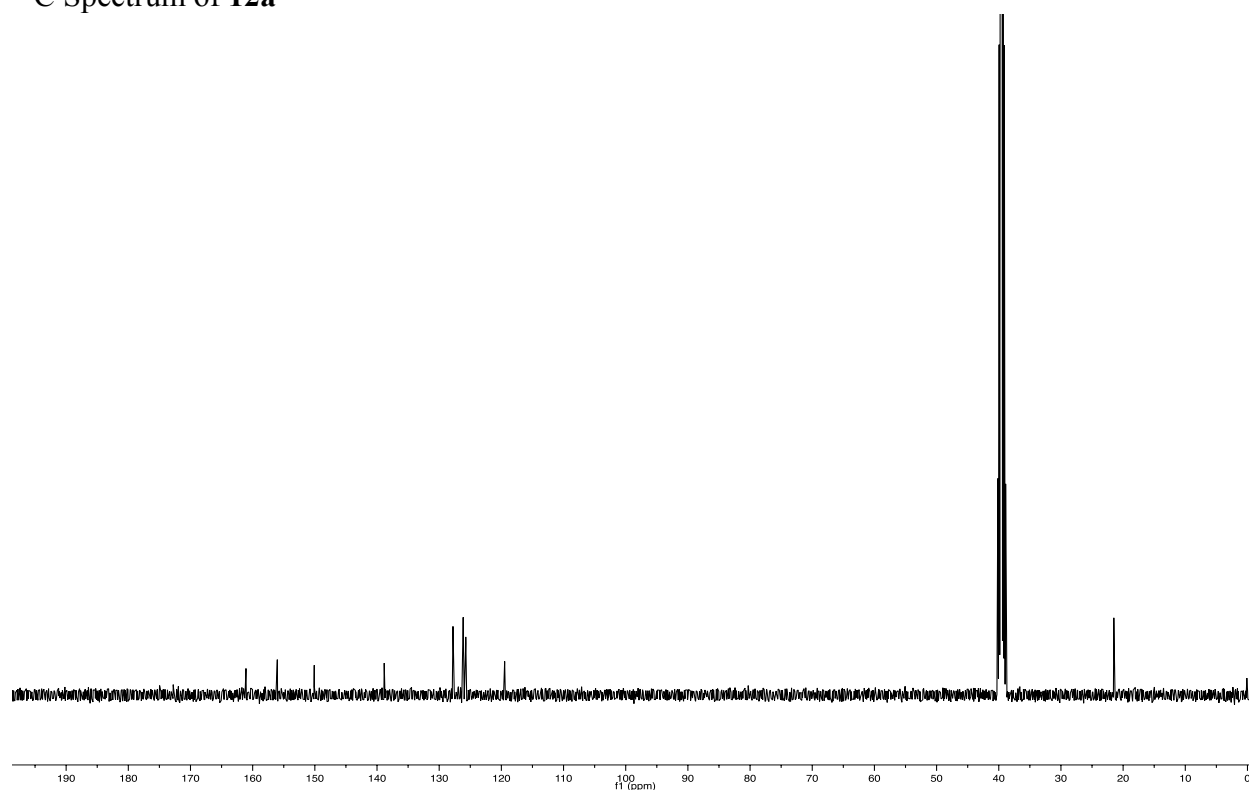
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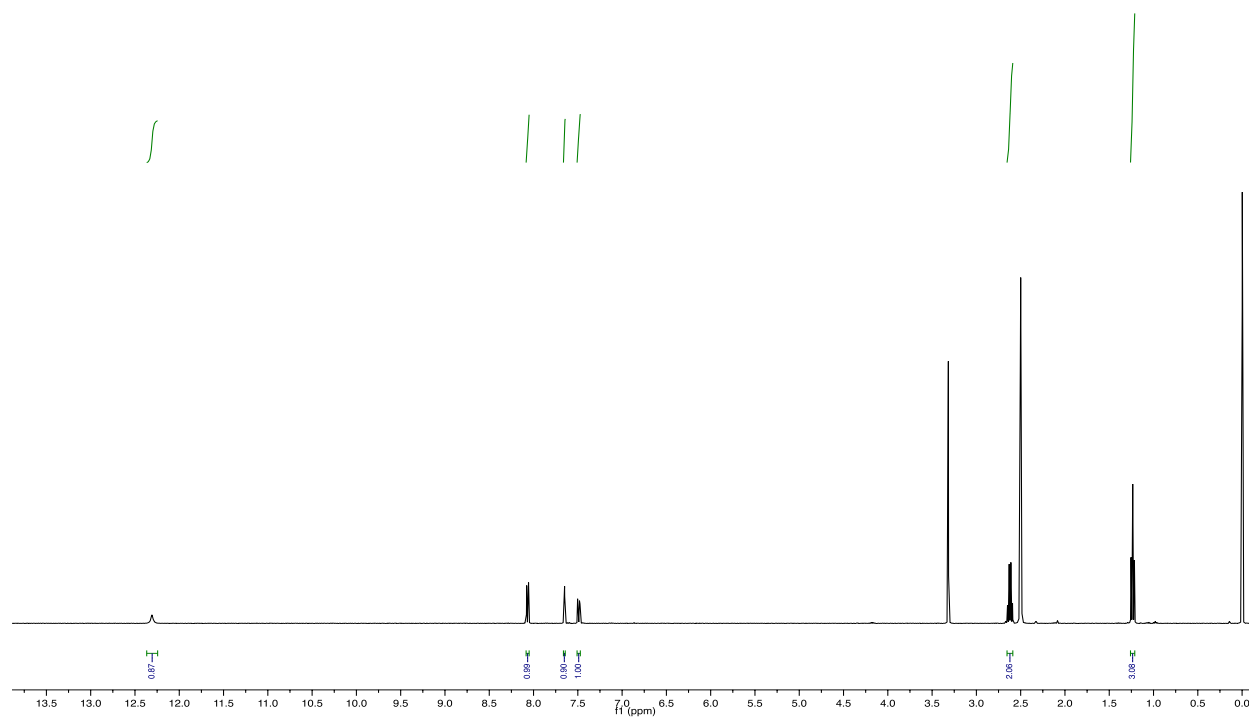
¹H Spectrum of 7-Chloro-2-methylquinazolin-4(3H)-one (**12a**)



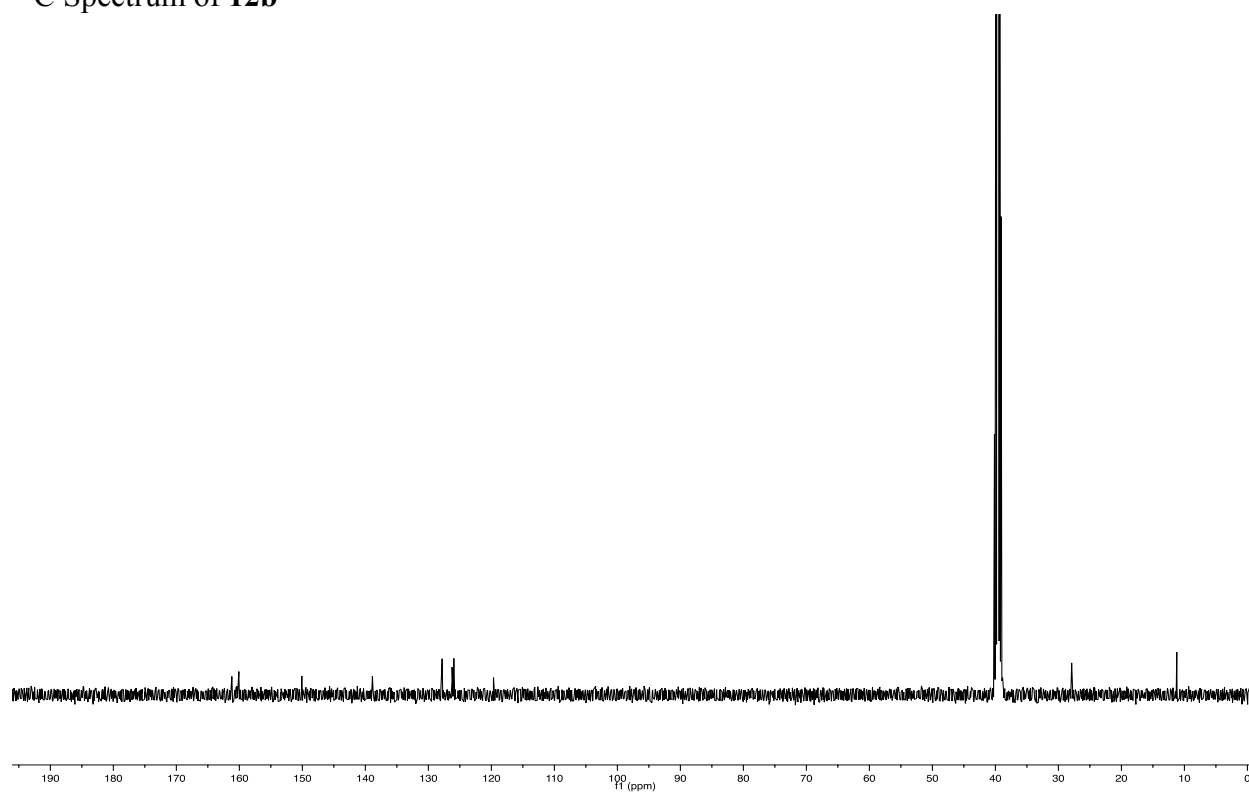
¹³C Spectrum of **12a**



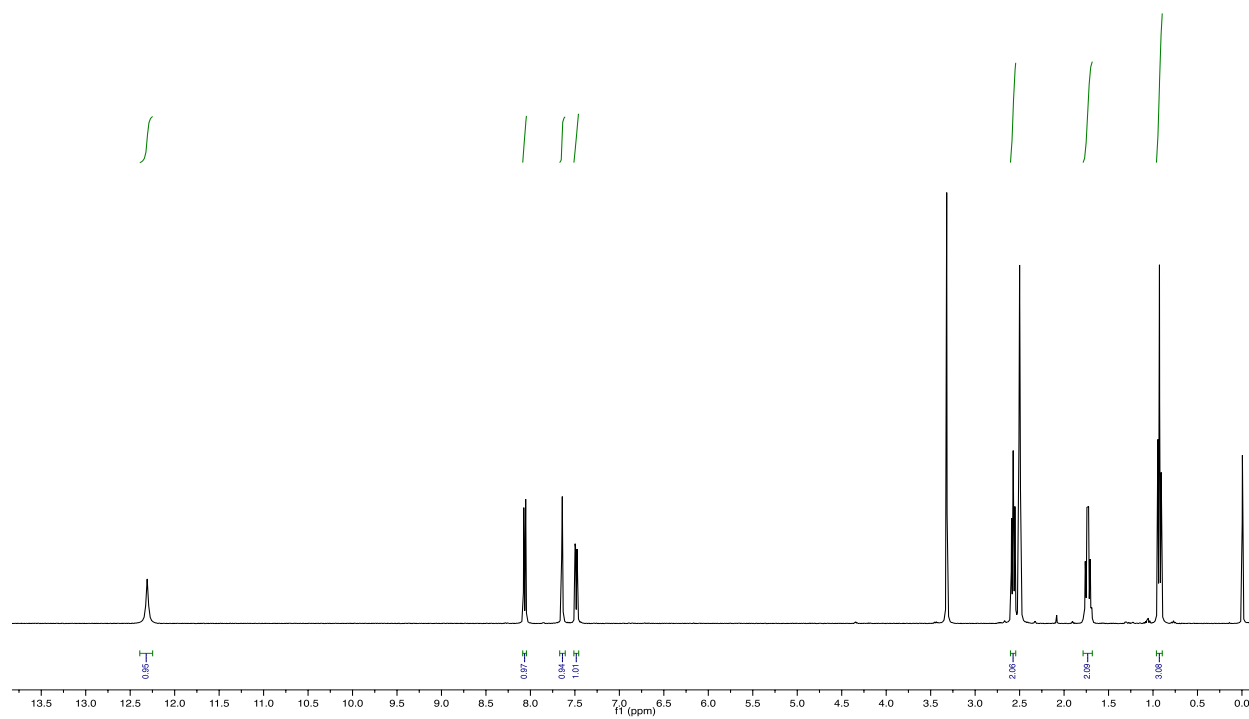
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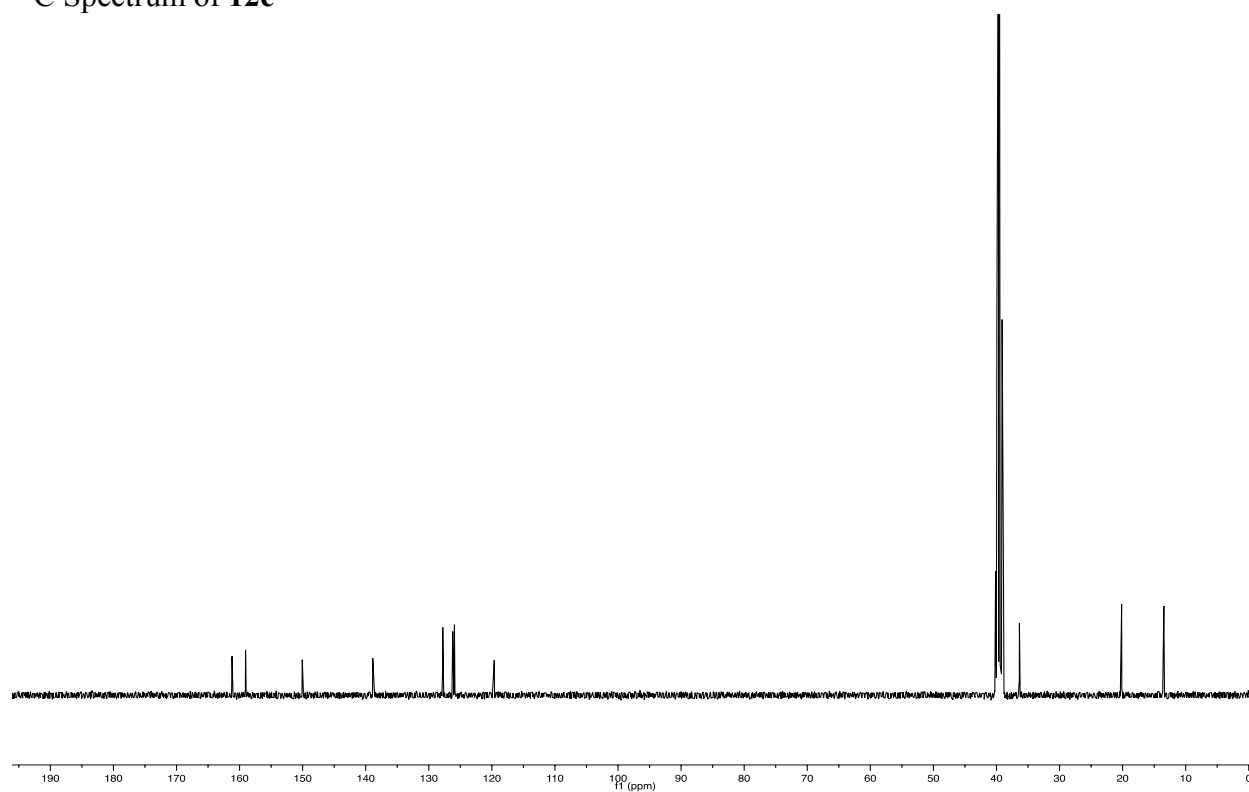
¹³C Spectrum of **12b**



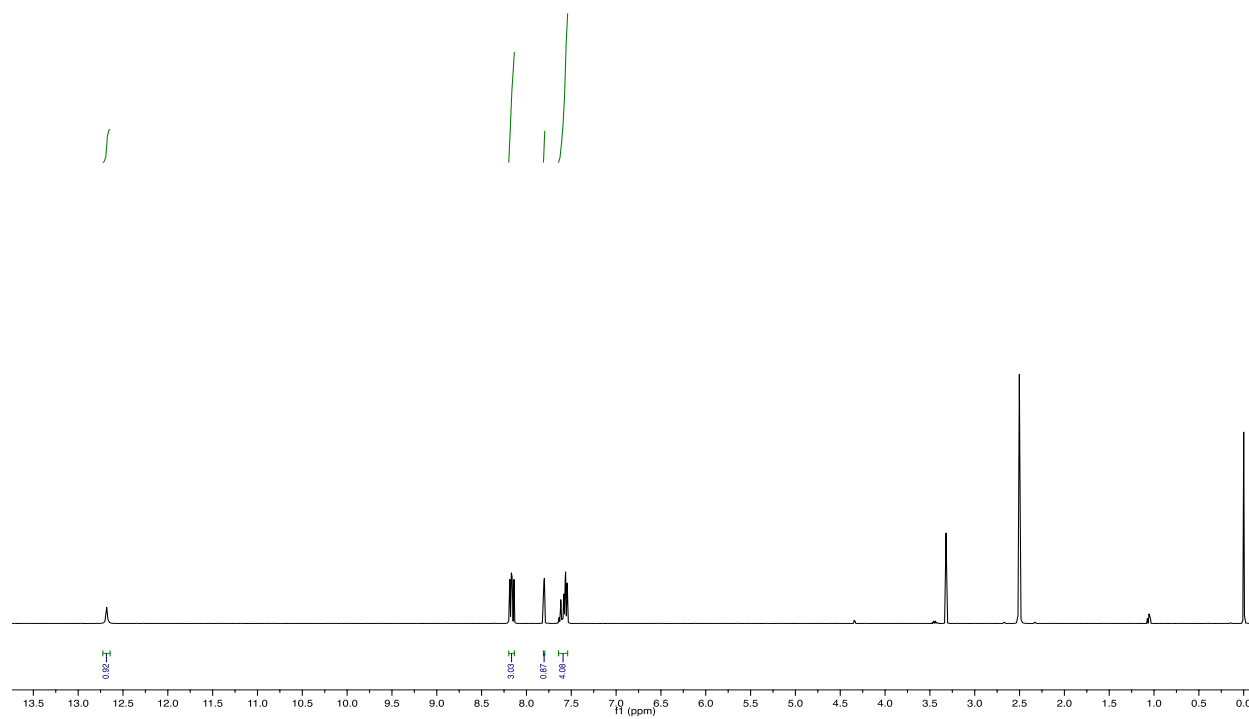
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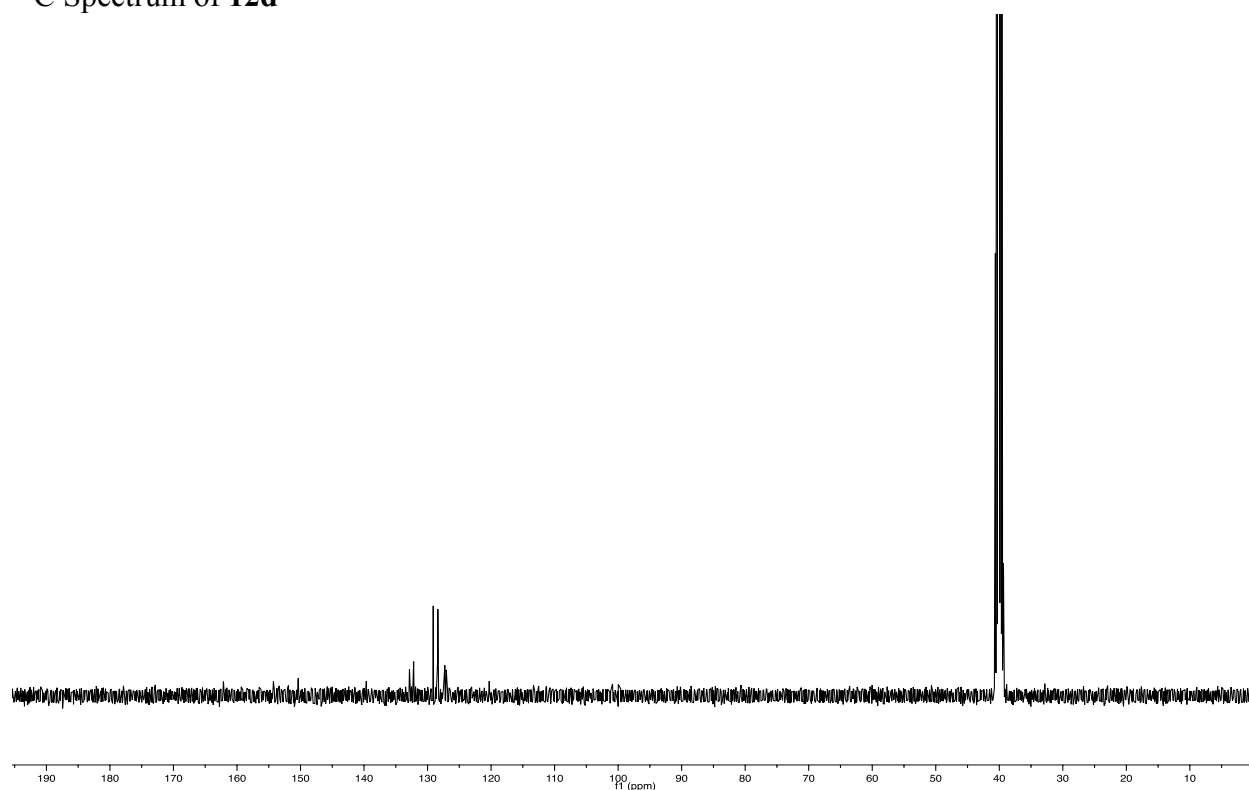
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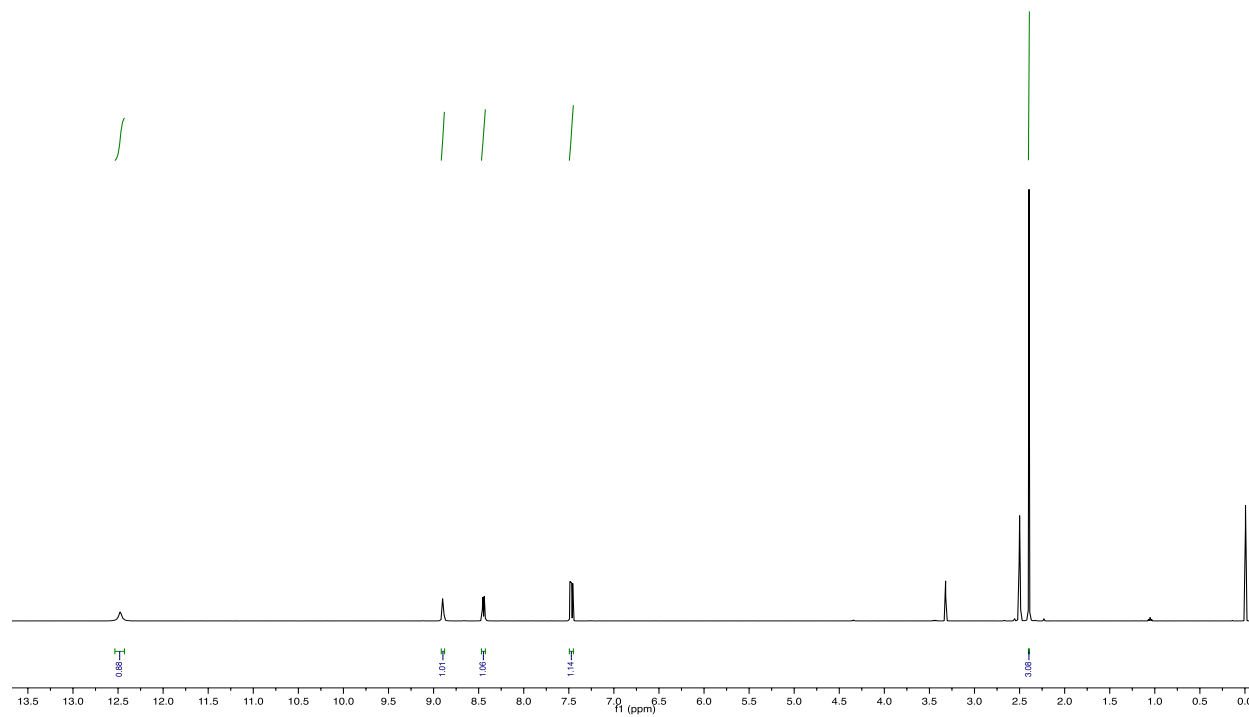
¹H Spectrum of 7-Chloro-2-phenylquinazolin-4(3H)-one (**12d**)



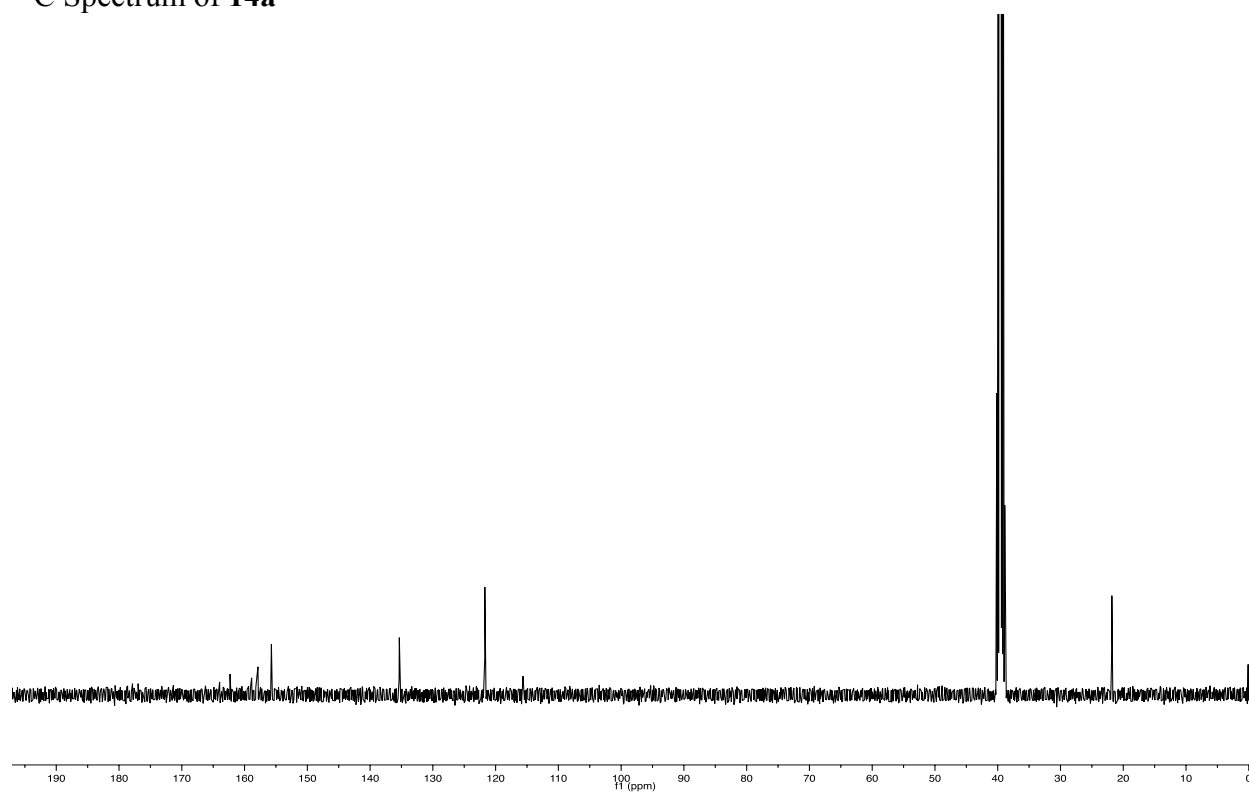
¹³C Spectrum of **12d**



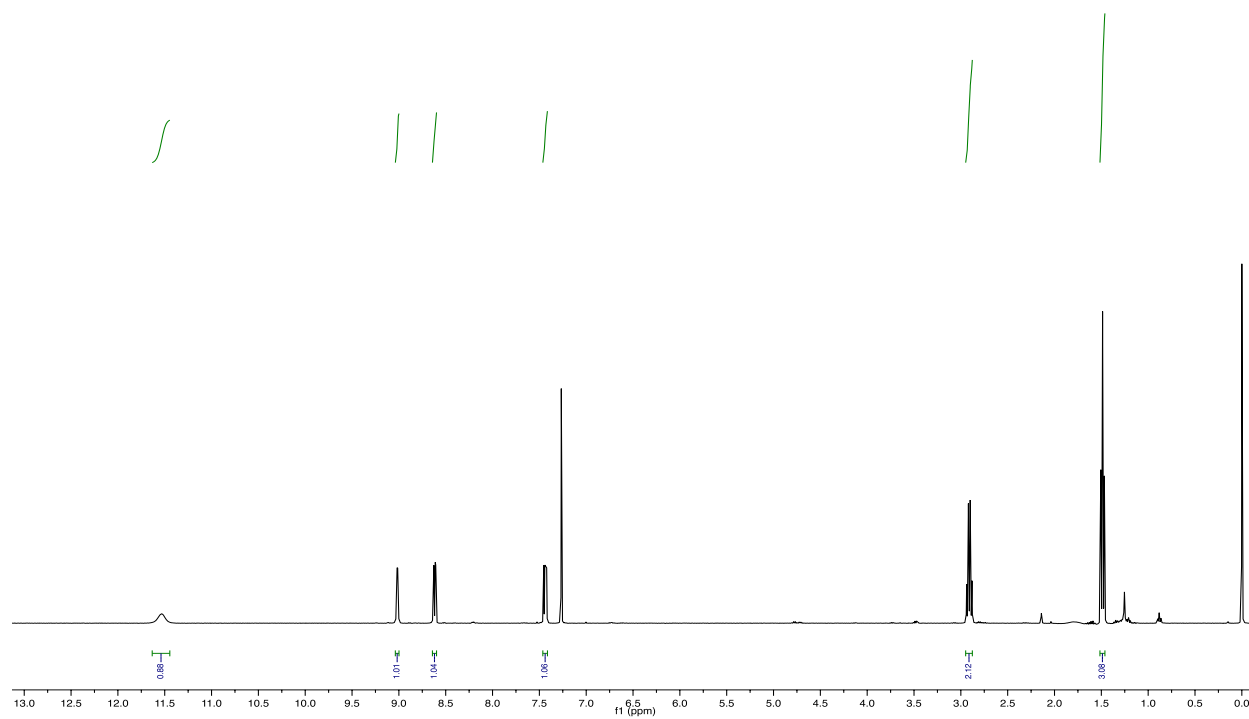
¹H Spectrum of 2-Methylpyrido[2,3-*d*]pyrimidin-4(3*H*)-one (**14a**)



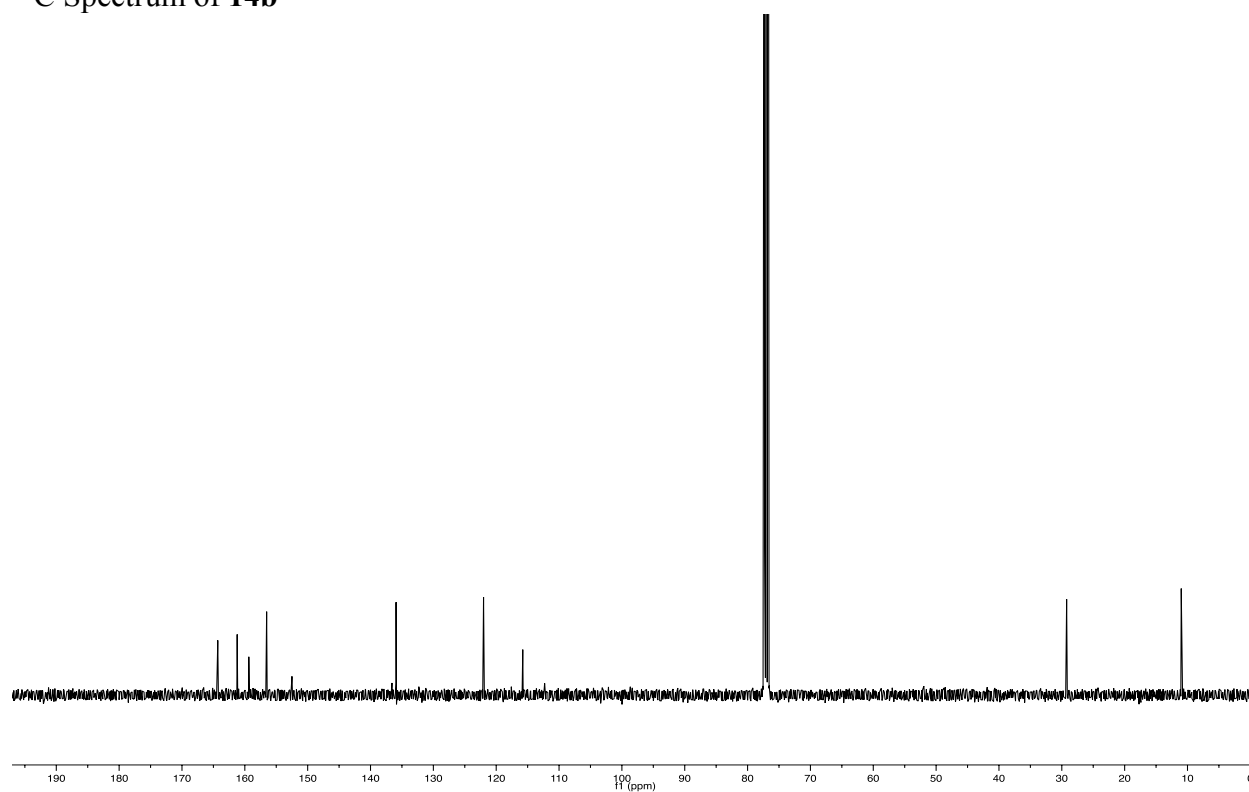
¹³C Spectrum of **14a**



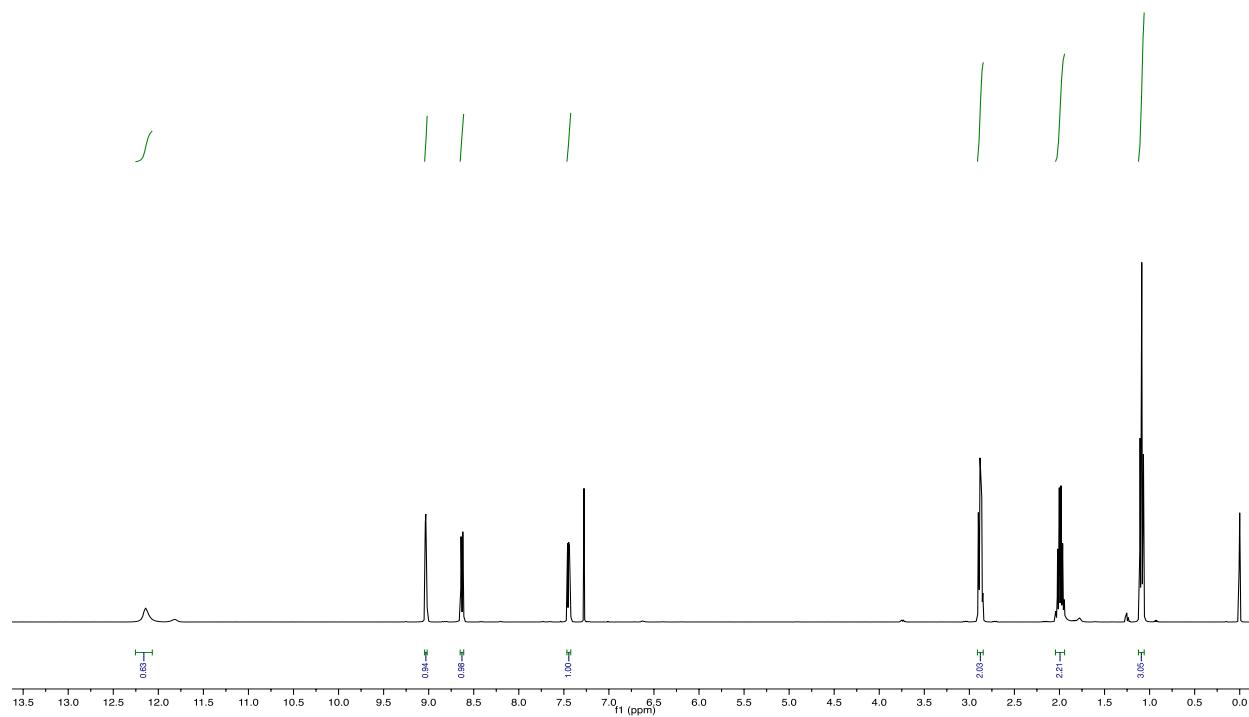
¹H Spectrum of 2-Ethylpyrido[2,3-*d*]pyrimidin-4(3*H*)-one (**14b**)



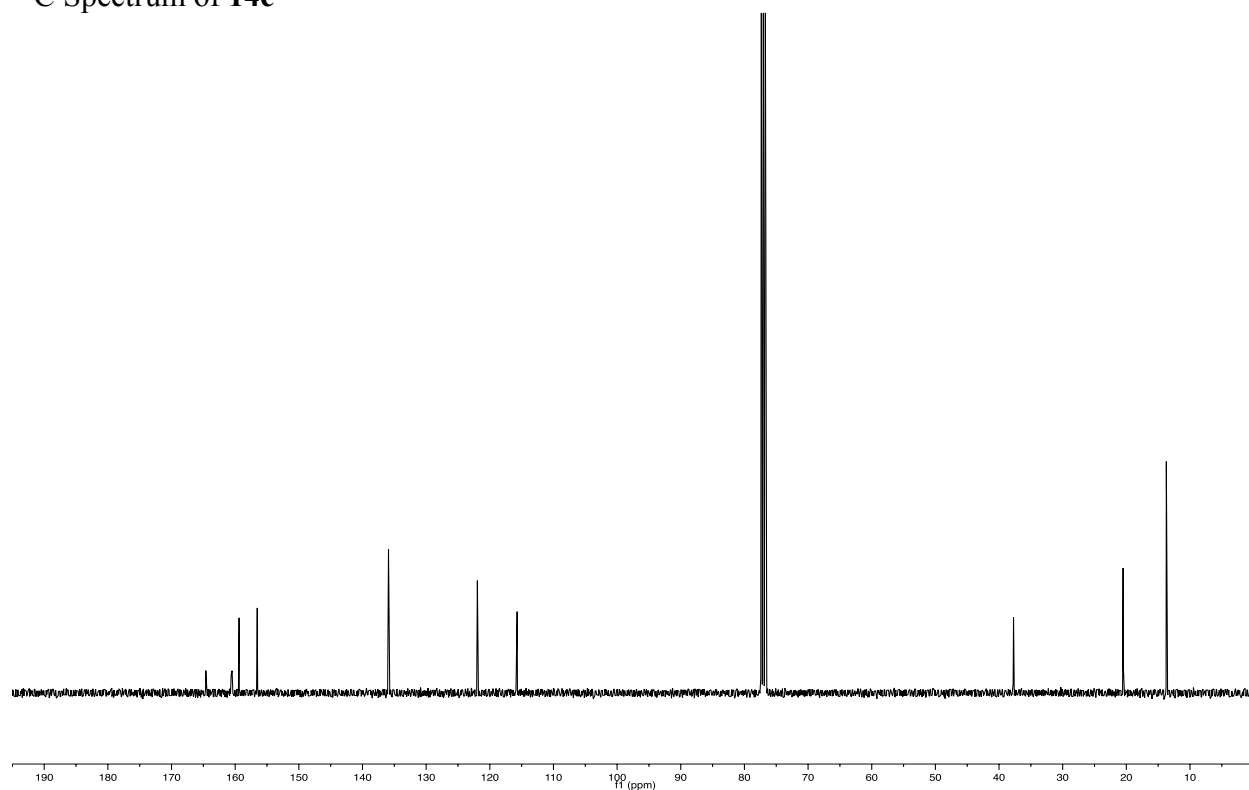
¹³C Spectrum of **14b**



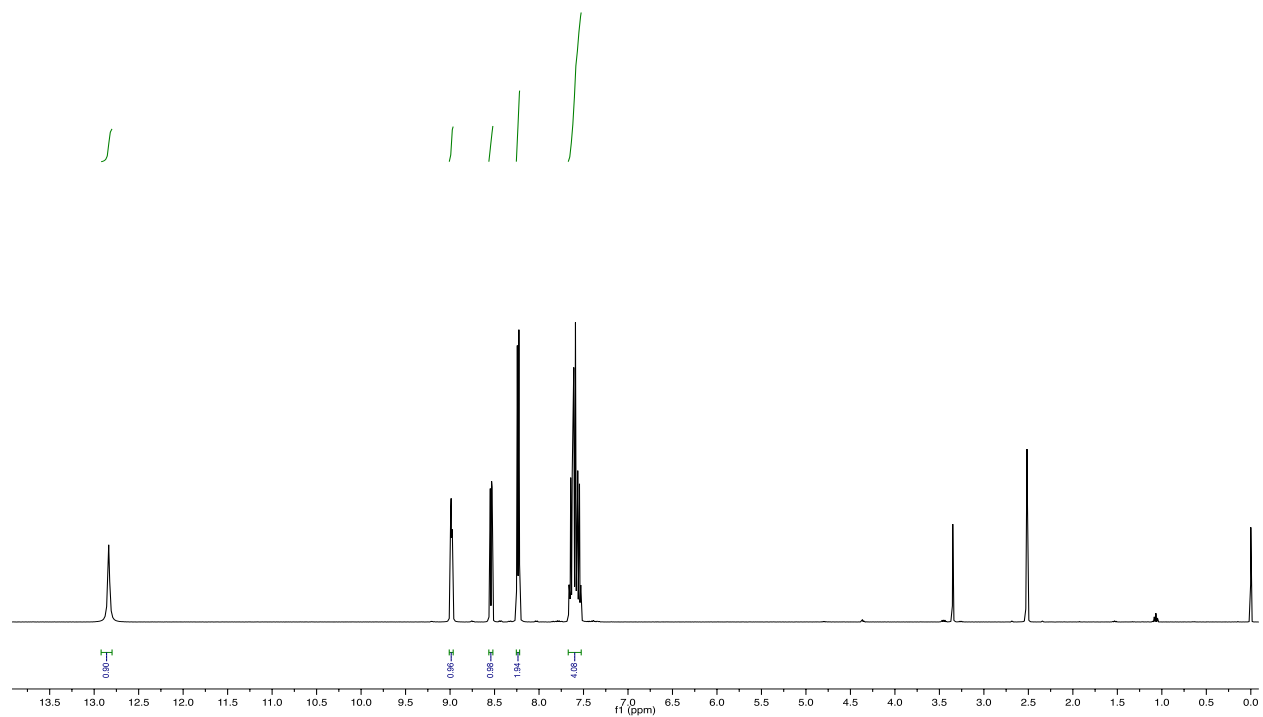
¹H Spectrum of 2-Propylpyrido[2,3-*d*]pyrimidin-4(3*H*)-one (**14c**)



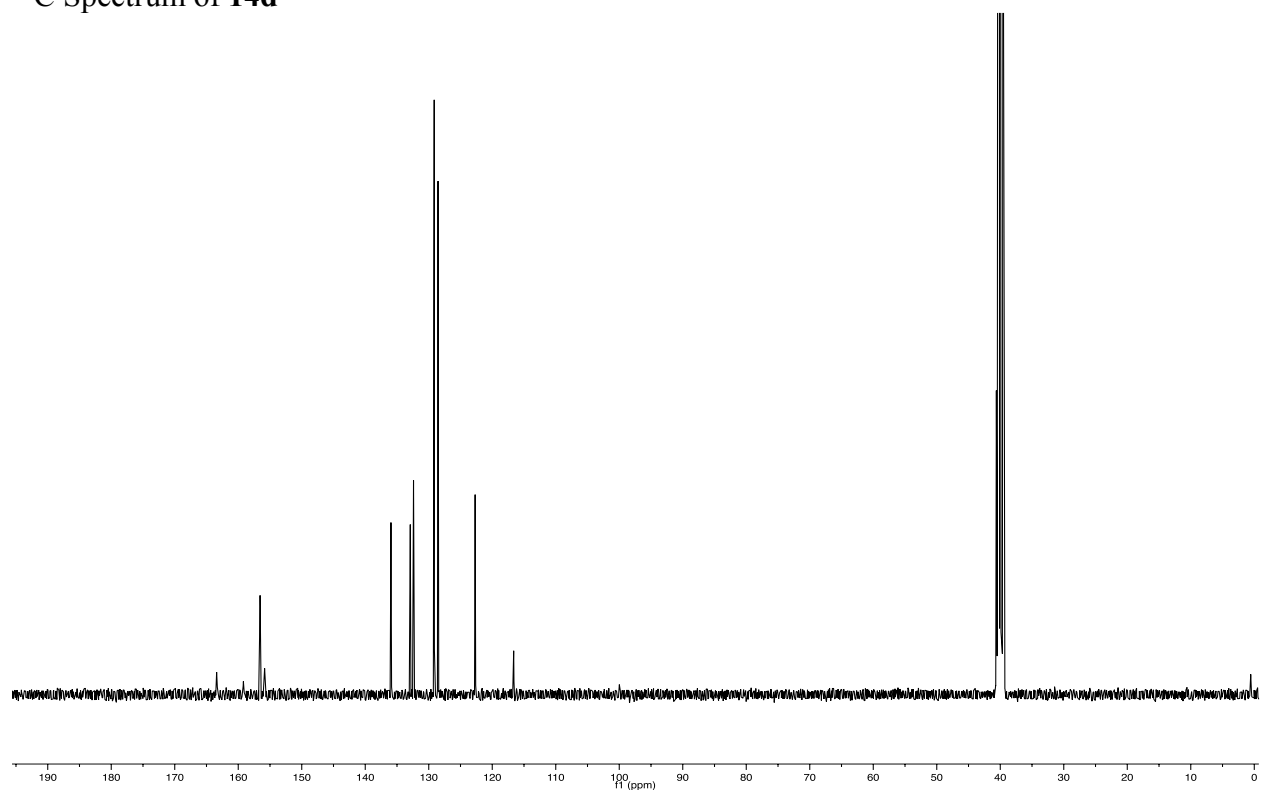
¹³C Spectrum of **14c**



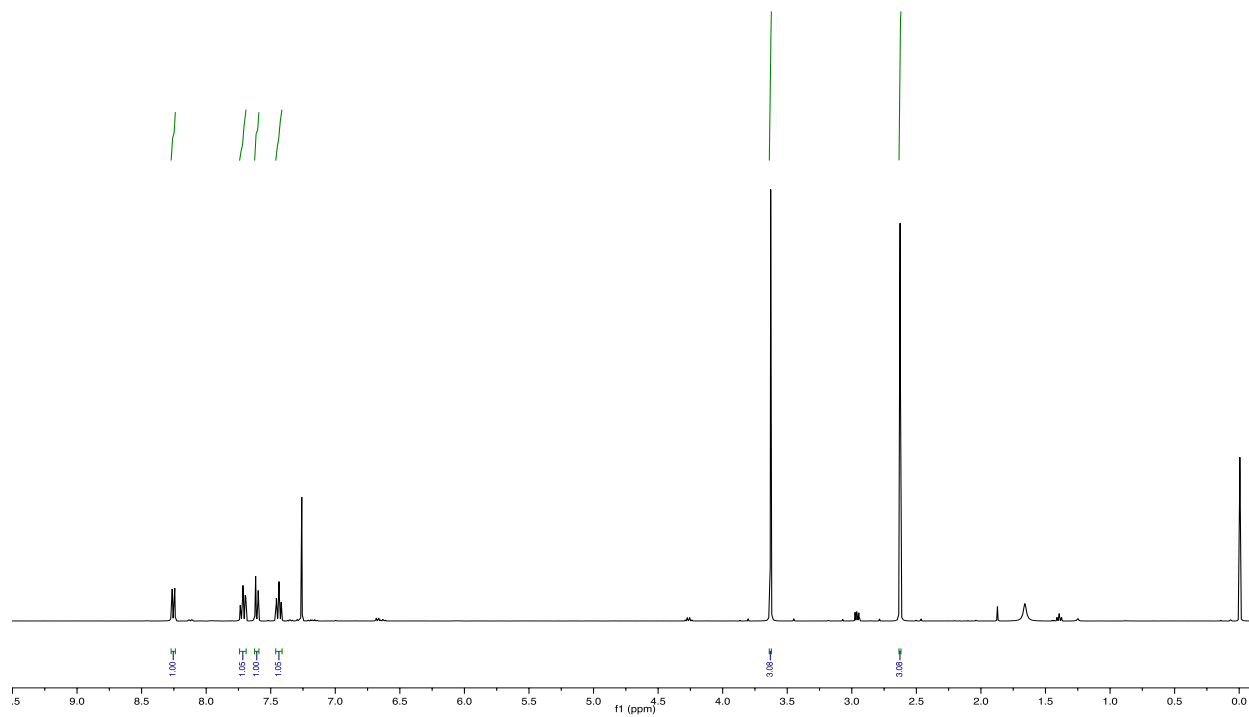
¹H Spectrum of 2-Phenylpyrido[2,3-*d*]pyrimidin-4(3*H*)-one (**14d**)



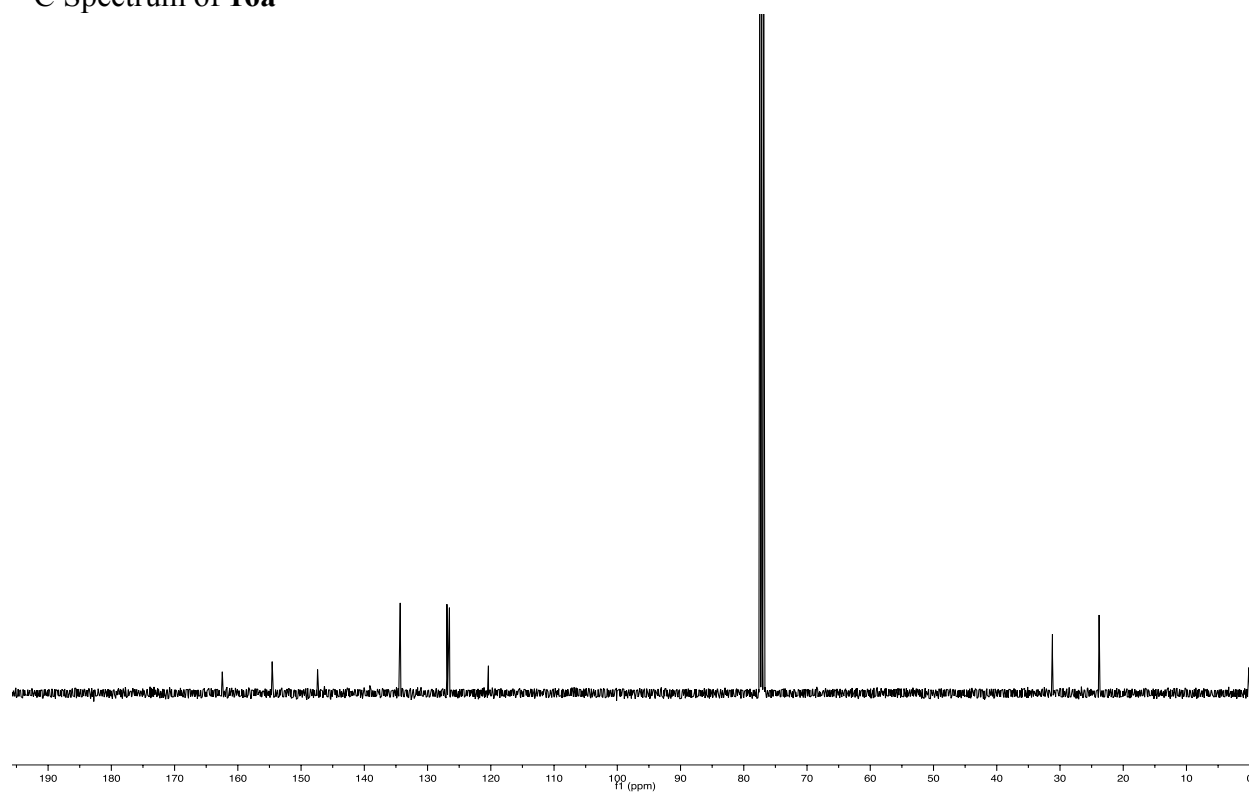
¹³C Spectrum of **14d**



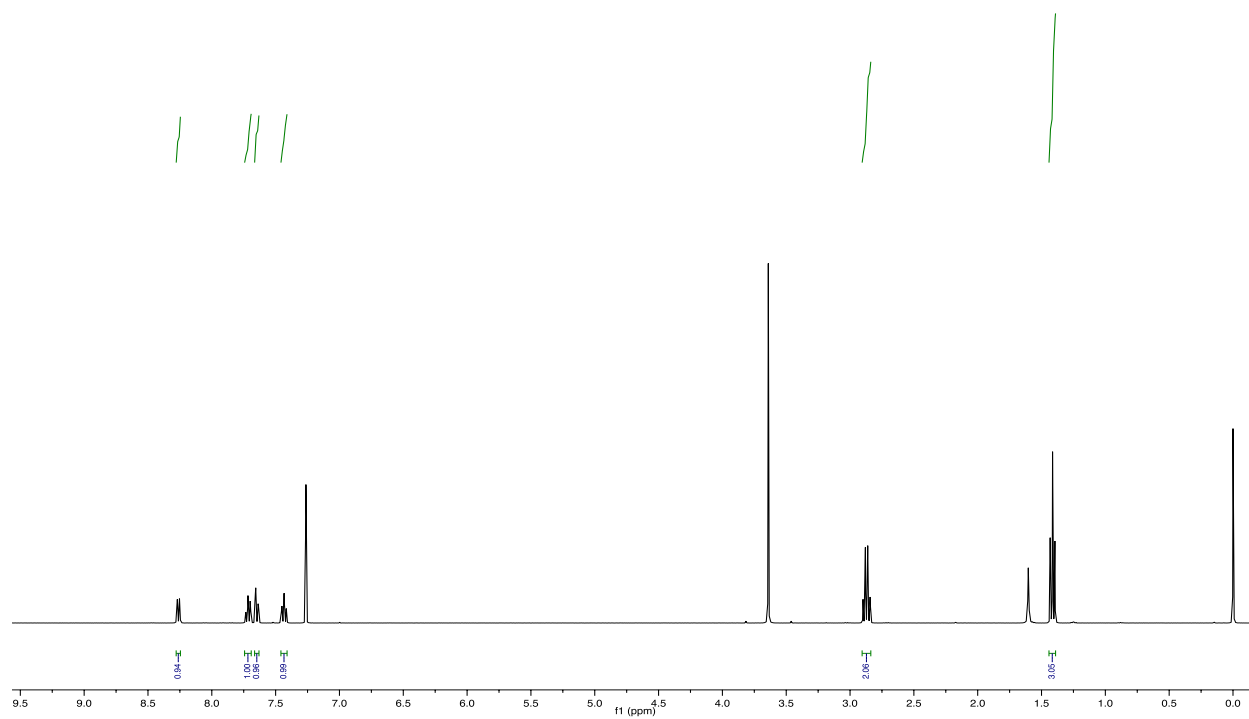
¹H Spectrum of 2,3-Dimethylquinazolin-4(3H)-one (**16a**)



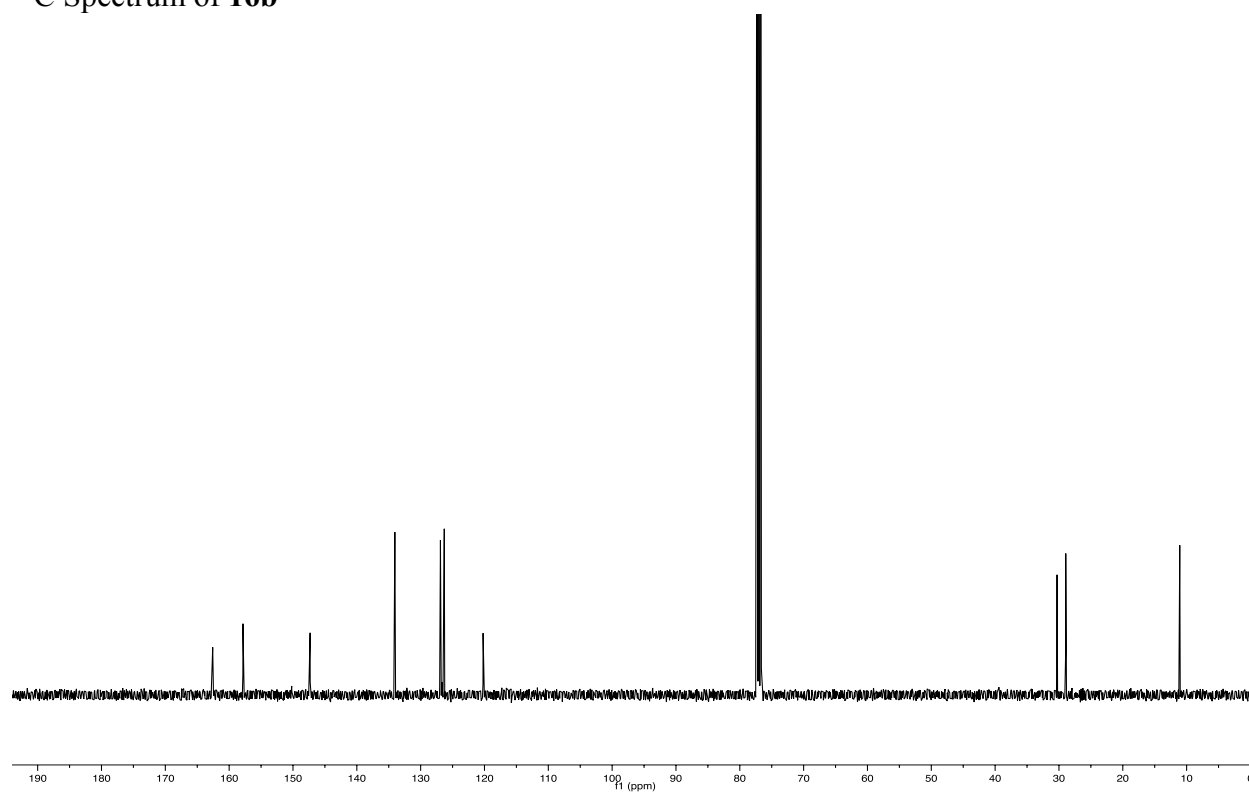
¹³C Spectrum of **16a**



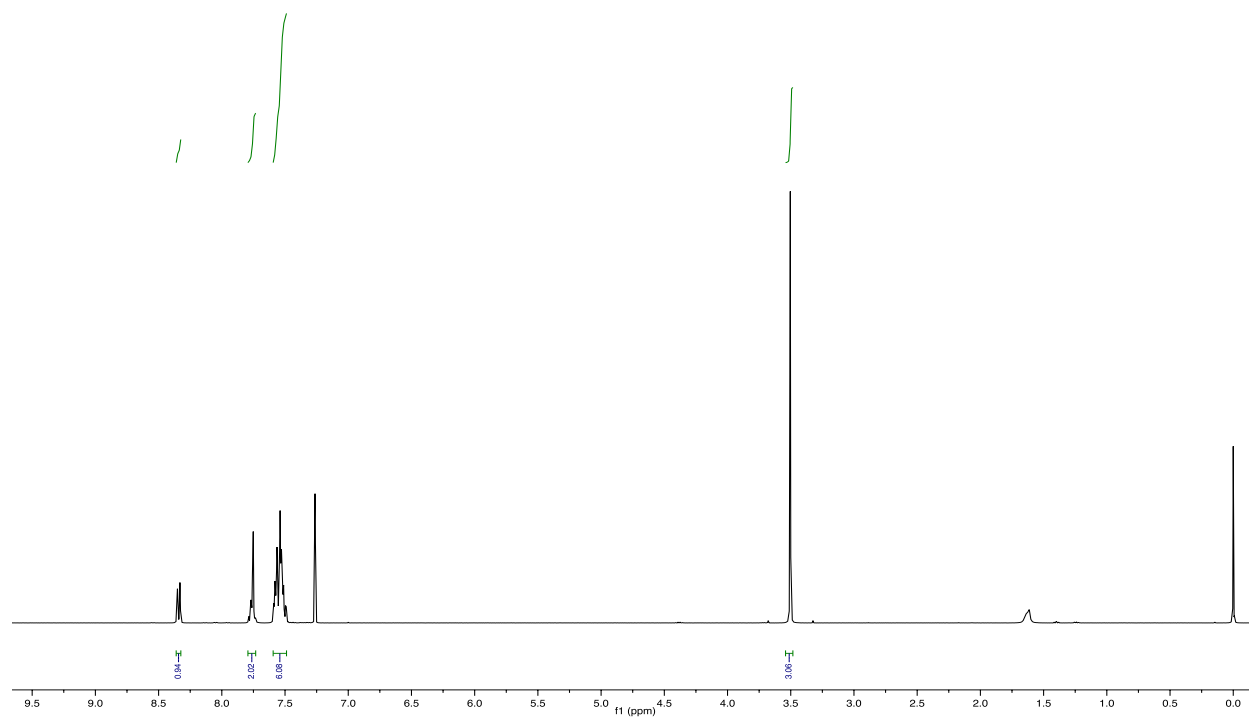
¹H Spectrum of 2-Ethyl-3-methylquinazolin-4(3H)-one (**16b**)



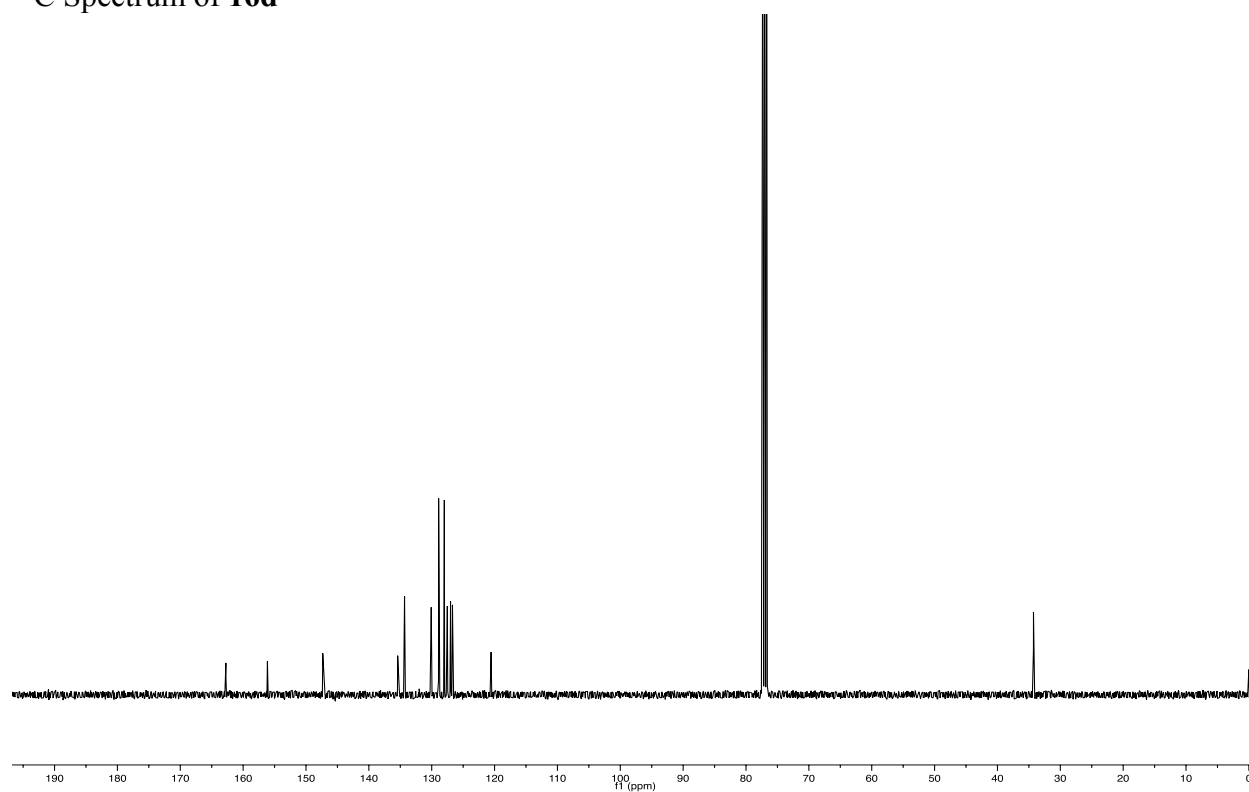
¹³C Spectrum of **16b**



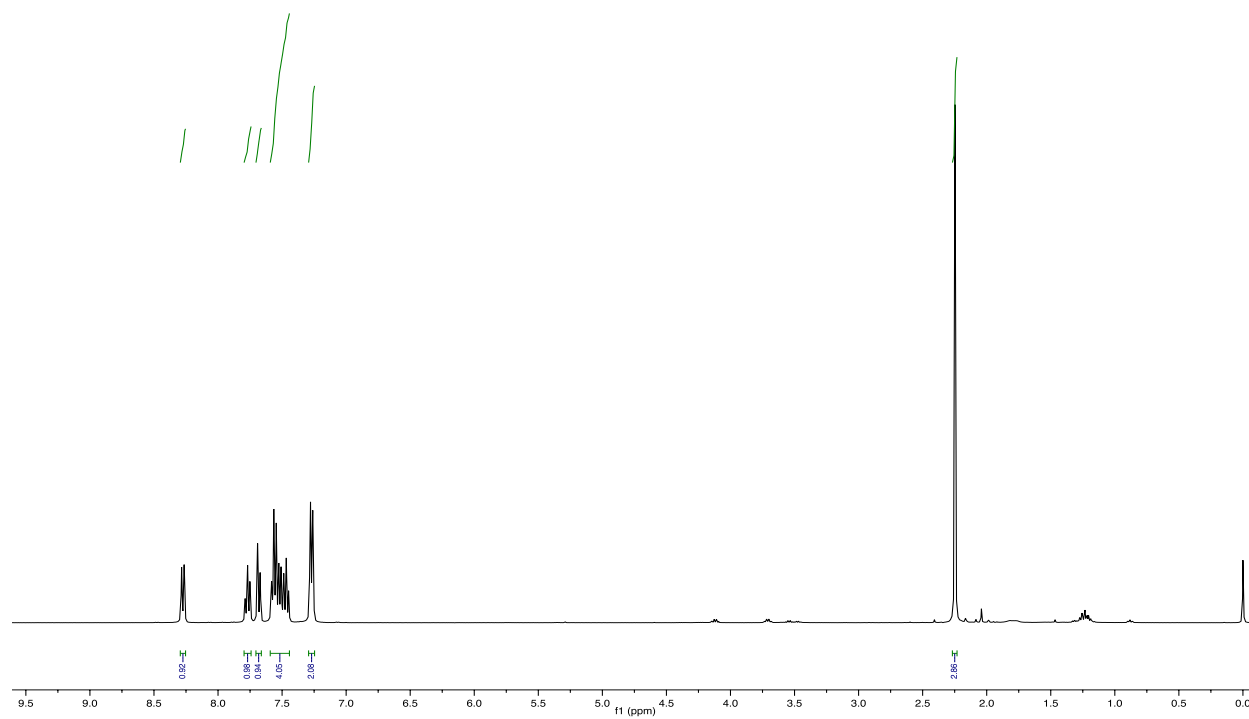
¹H Spectrum of 2-Phenyl-3-methylquinazolin-4(3H)-one (**16d**)



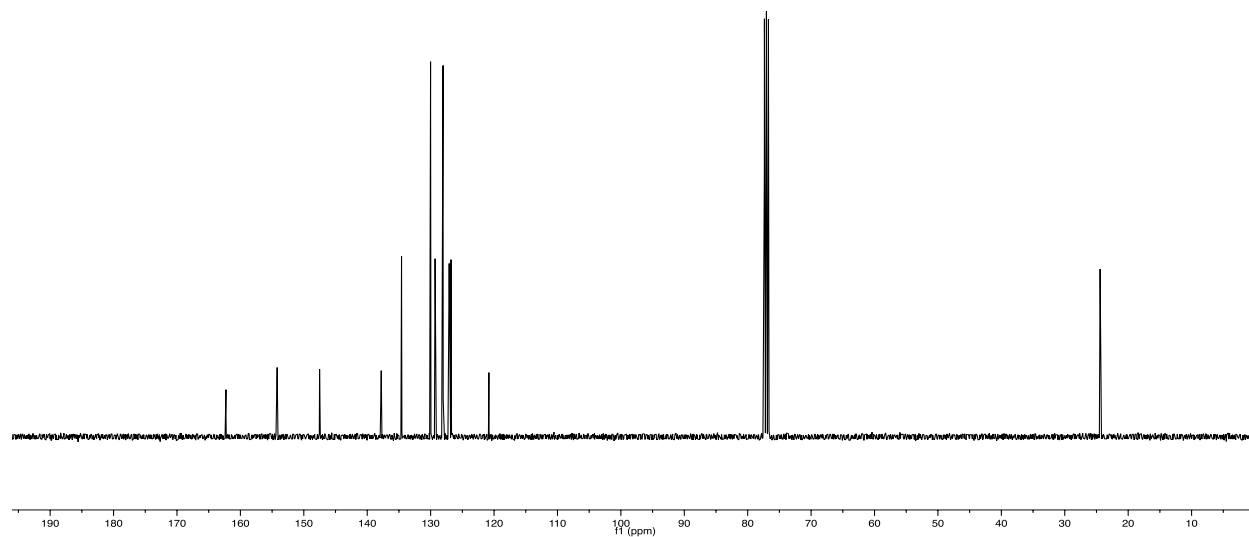
¹³C Spectrum of **16d**



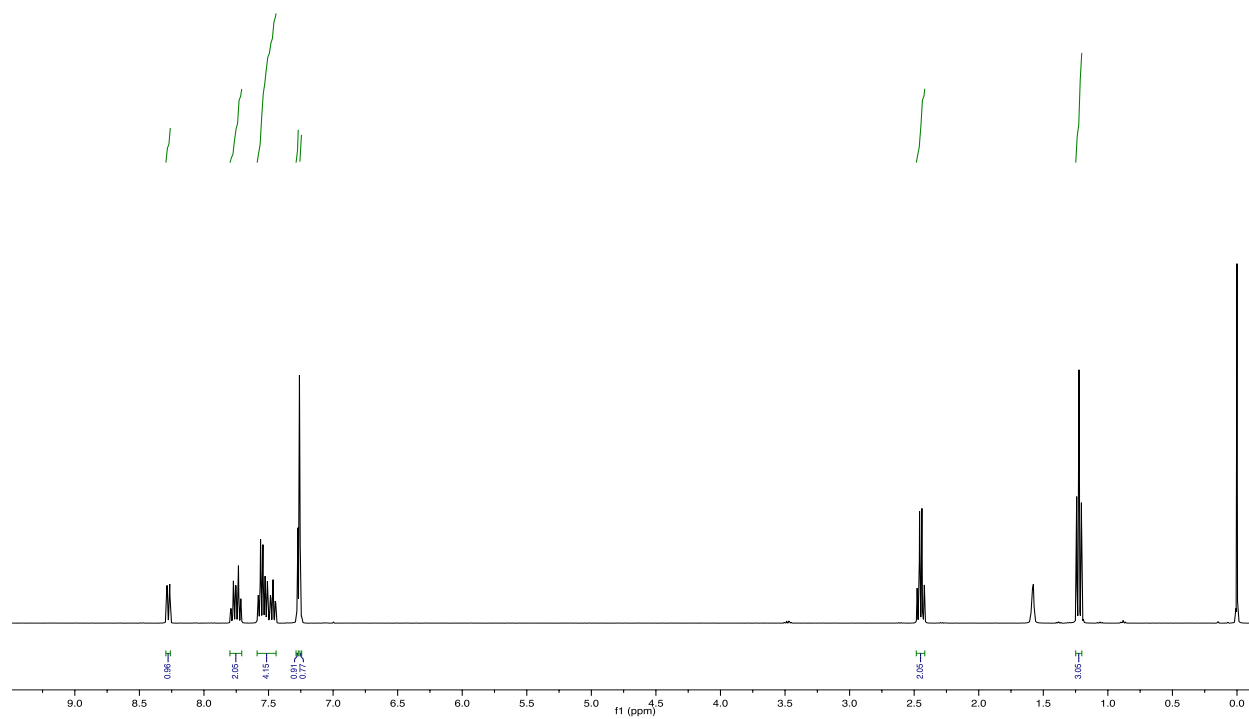
¹H Spectrum of 2-Methyl-3-phenylquinazolin-4(3*H*)-one (**18a**)



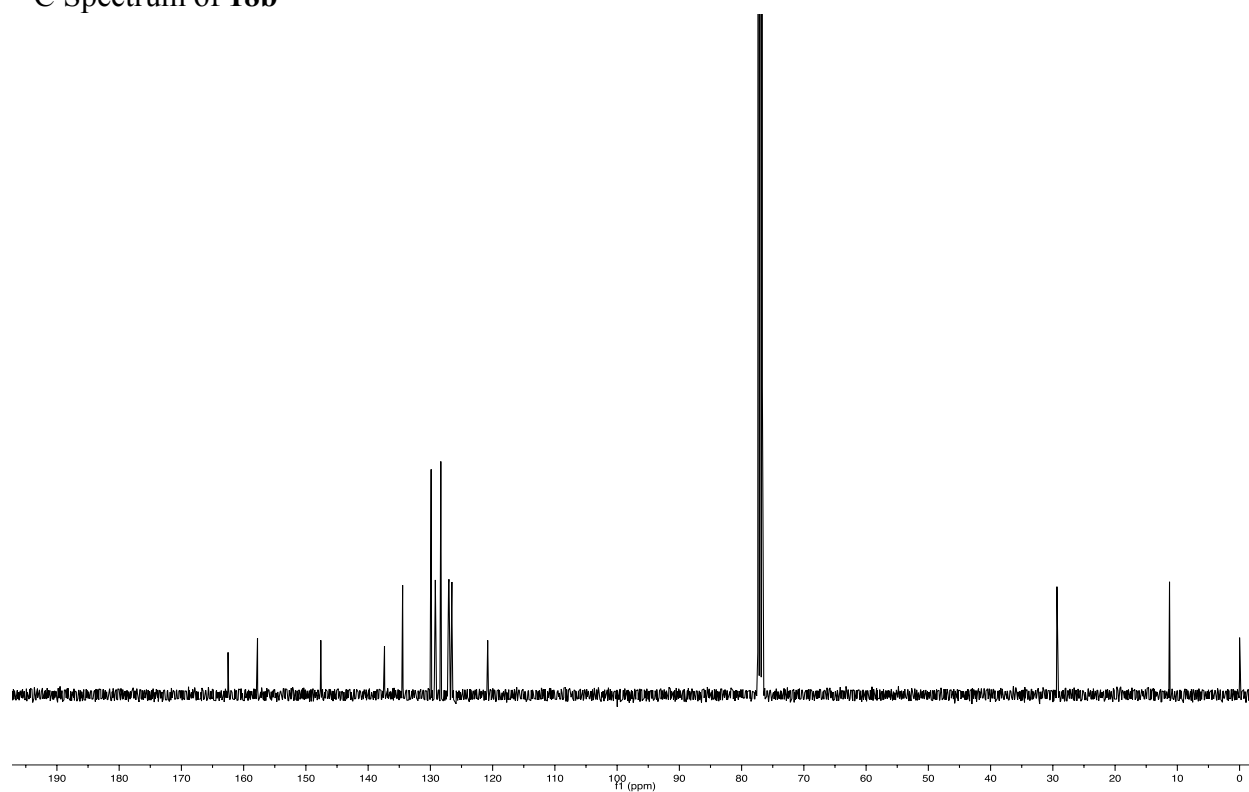
¹³C Spectrum of **18a**



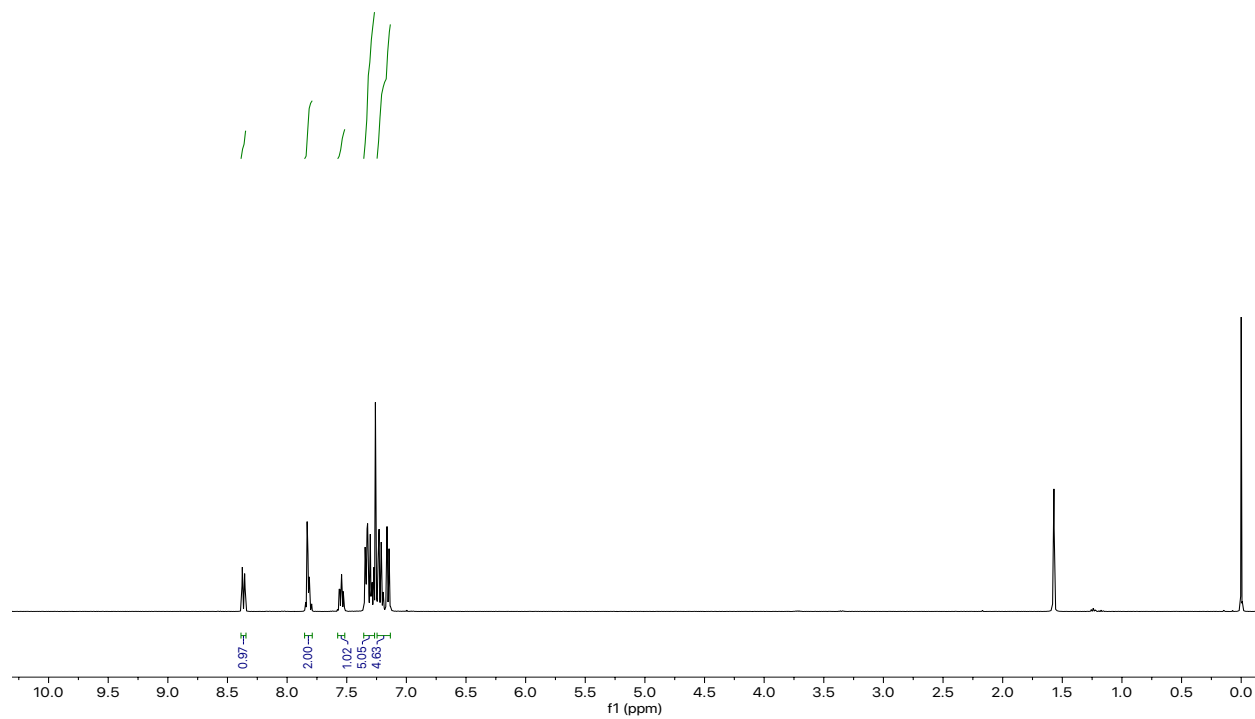
¹H Spectrum of 2-Ethyl-3-phenylquinazolin-4(3H)-one (**18b**)



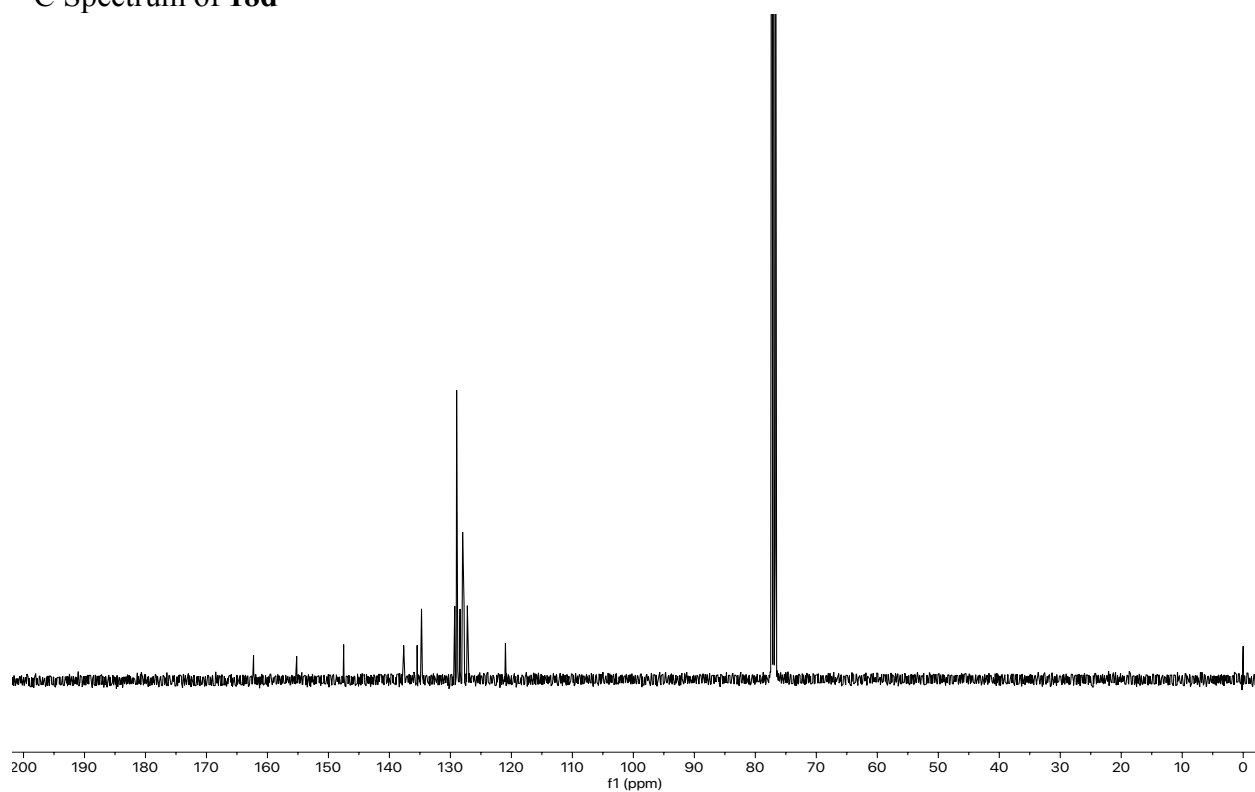
¹³C Spectrum of **18b**



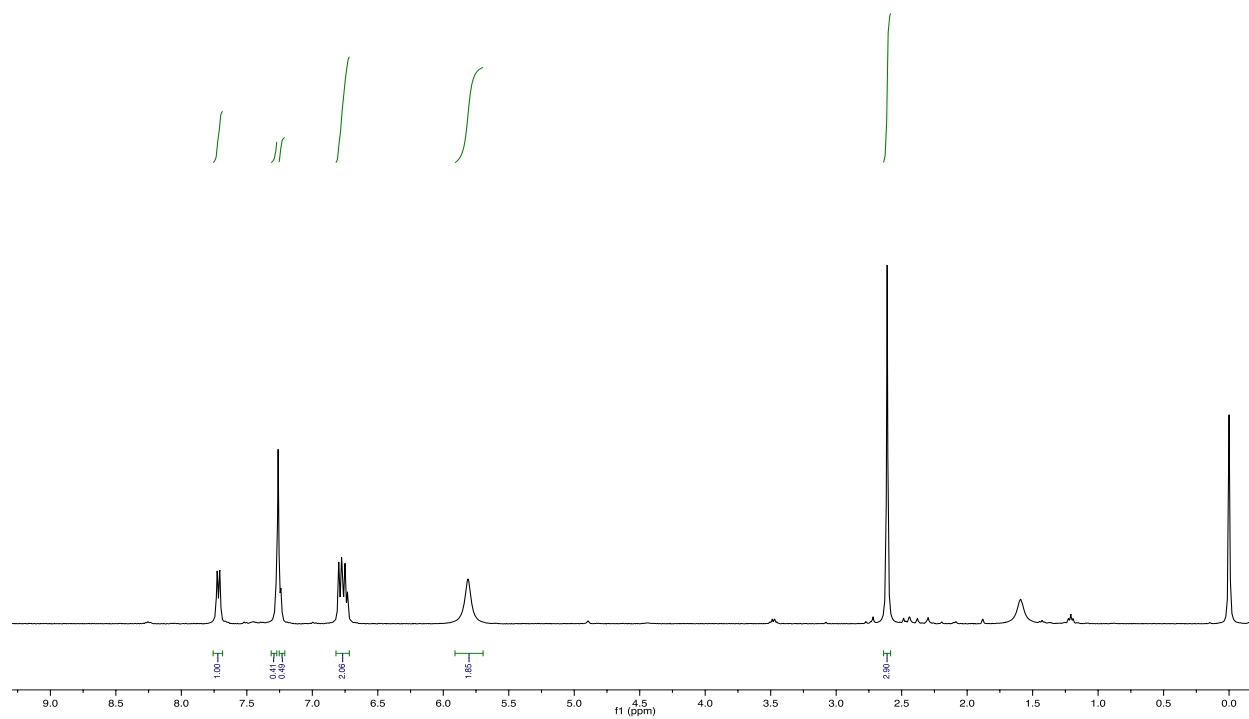
¹H Spectrum of 2,3-Diphenylquinazolin-4(3H)-one (**18d**)



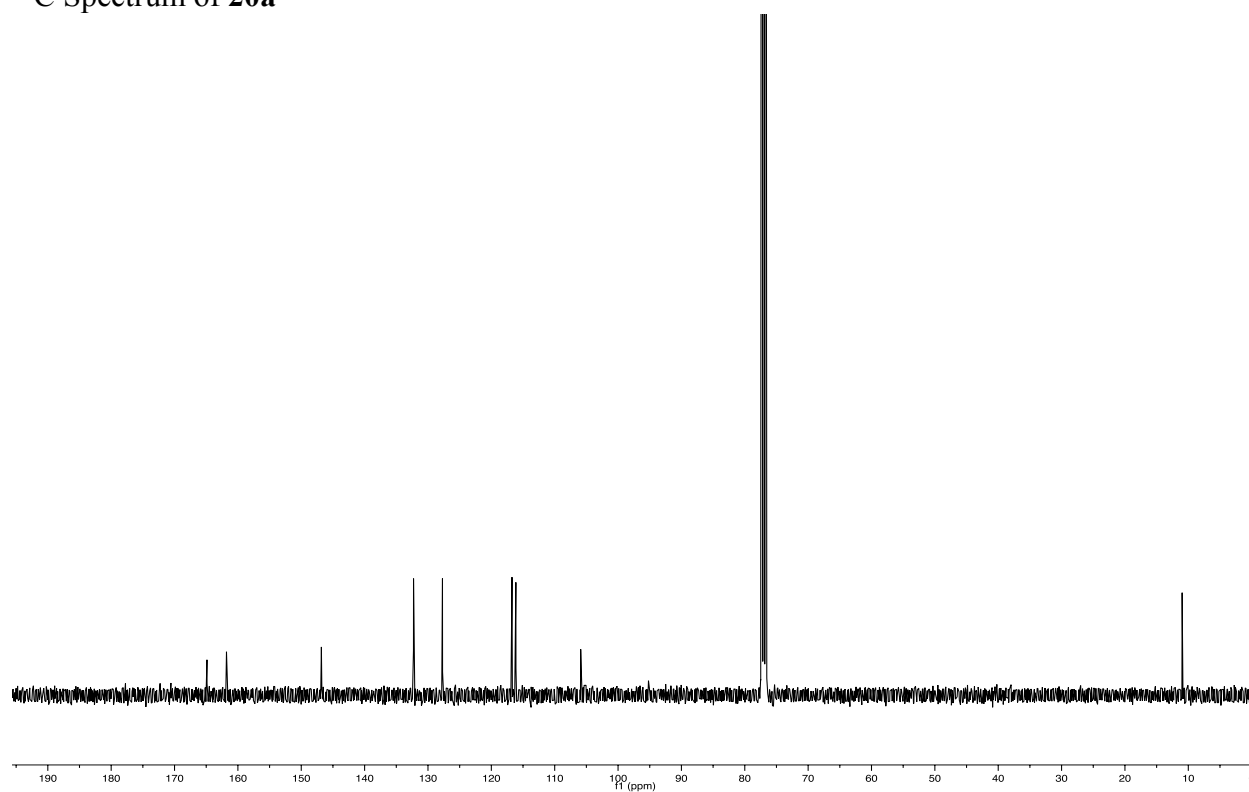
¹³C Spectrum of **18d**



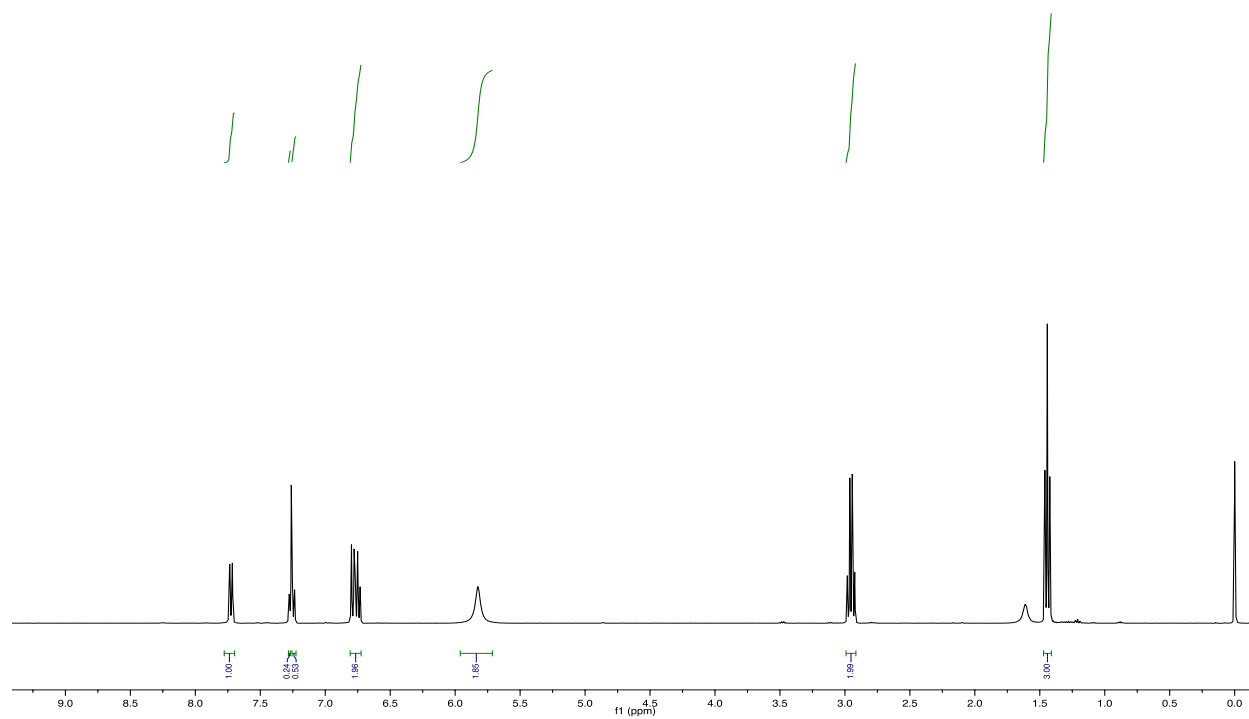
¹H Spectrum of 3-Amino-2-methylquinazolin-4(3*H*)-one (**20a**)



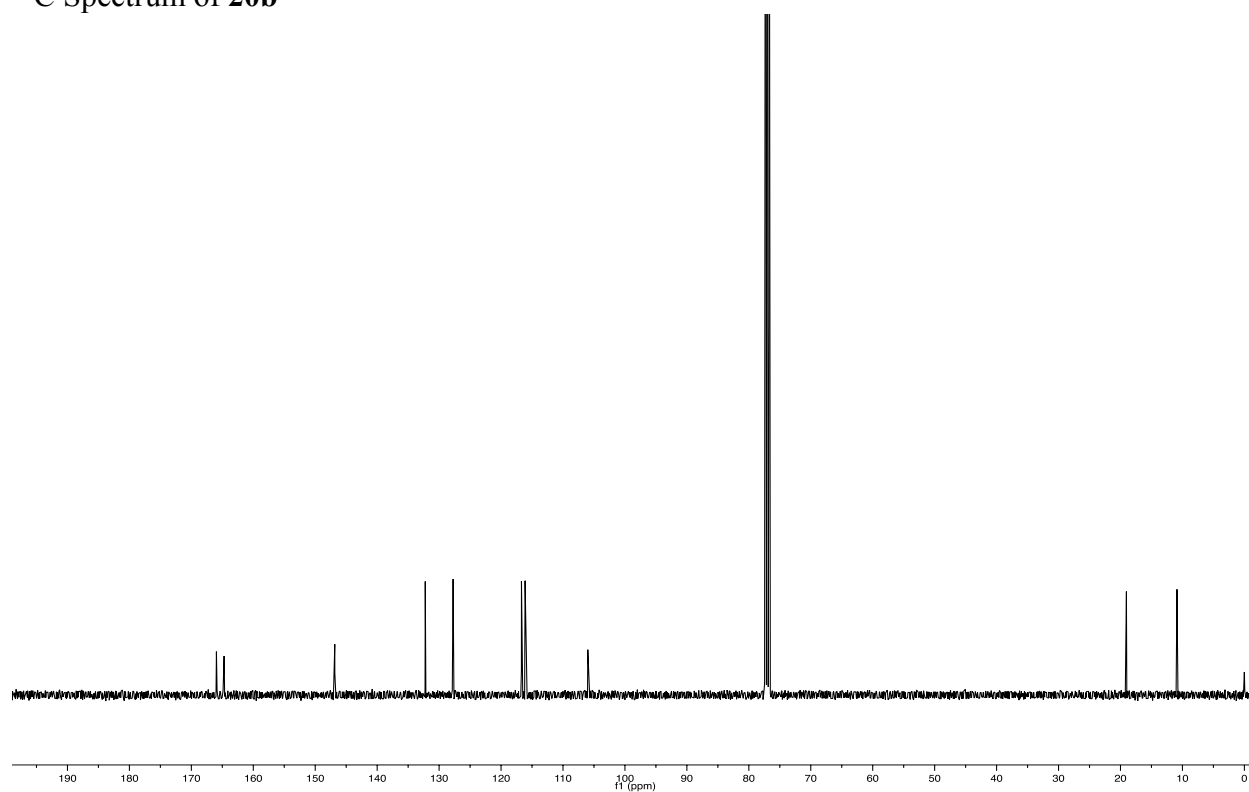
¹³C Spectrum of **20a**



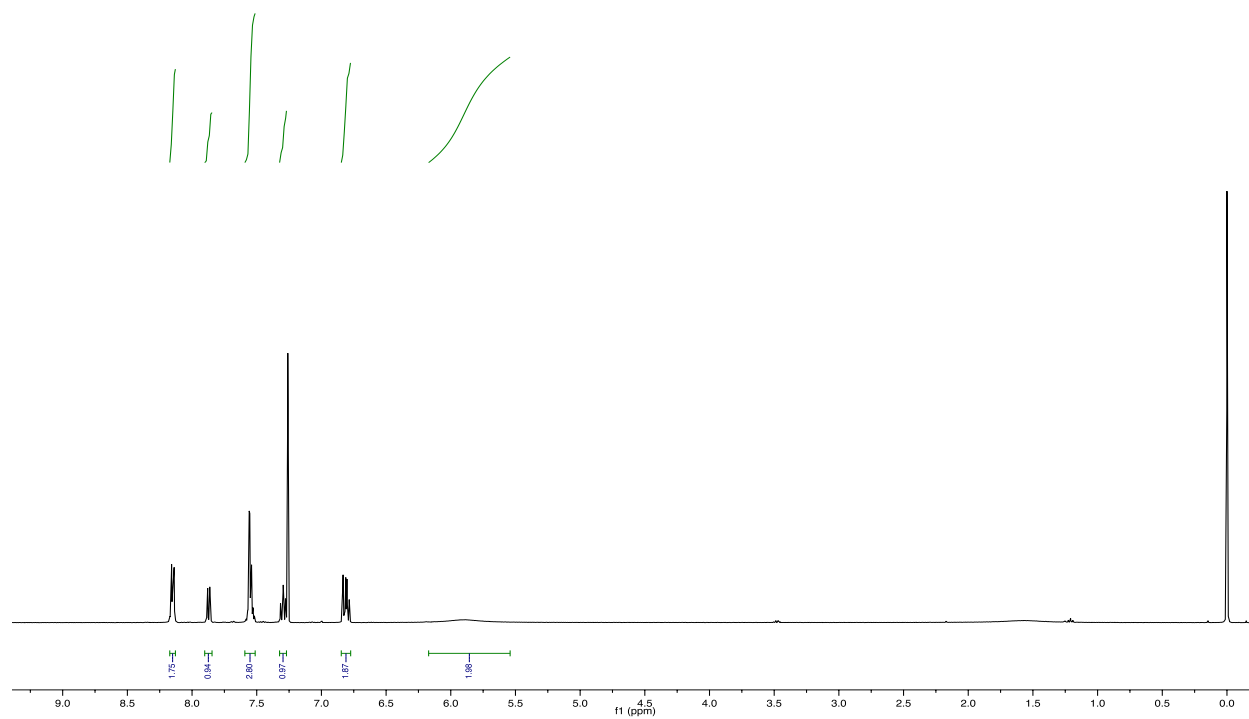
¹H Spectrum of 3-Amino-2-ethylquinazolin-4(3*H*)-one (**20b**)



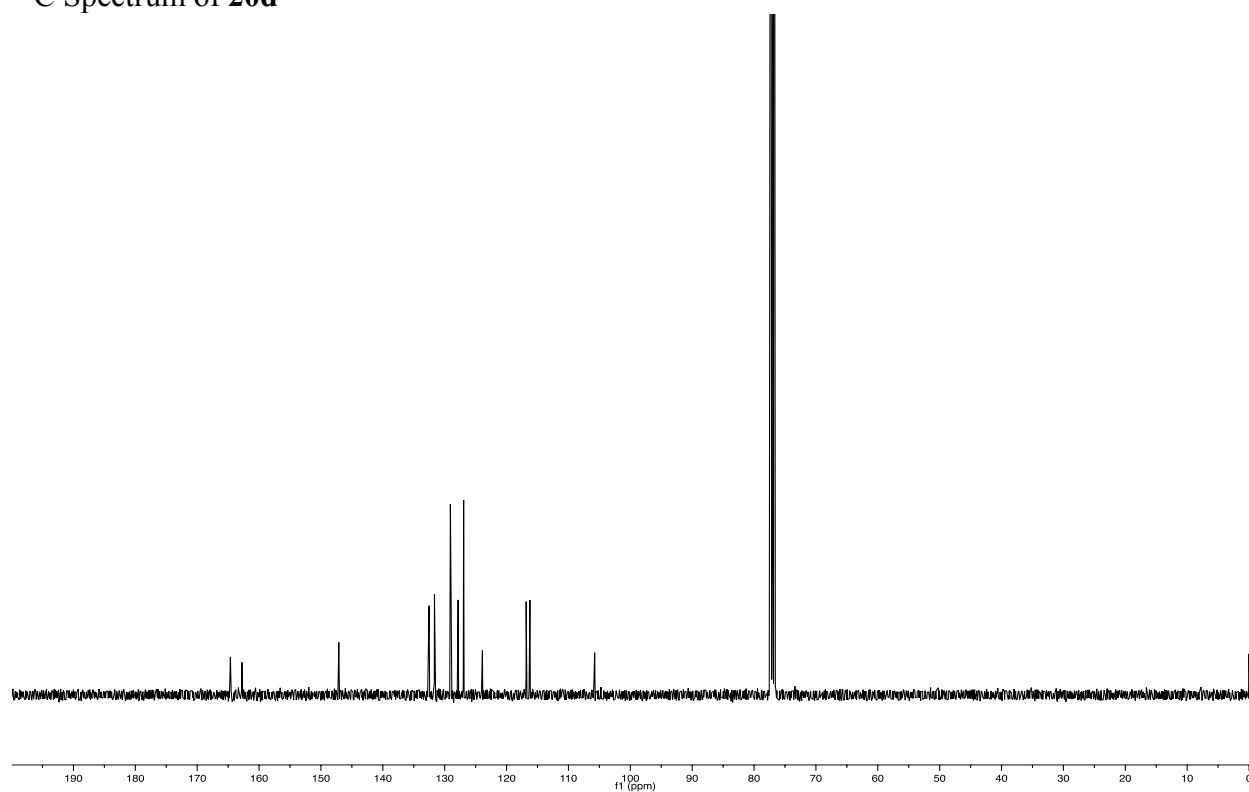
¹³C Spectrum of **20b**



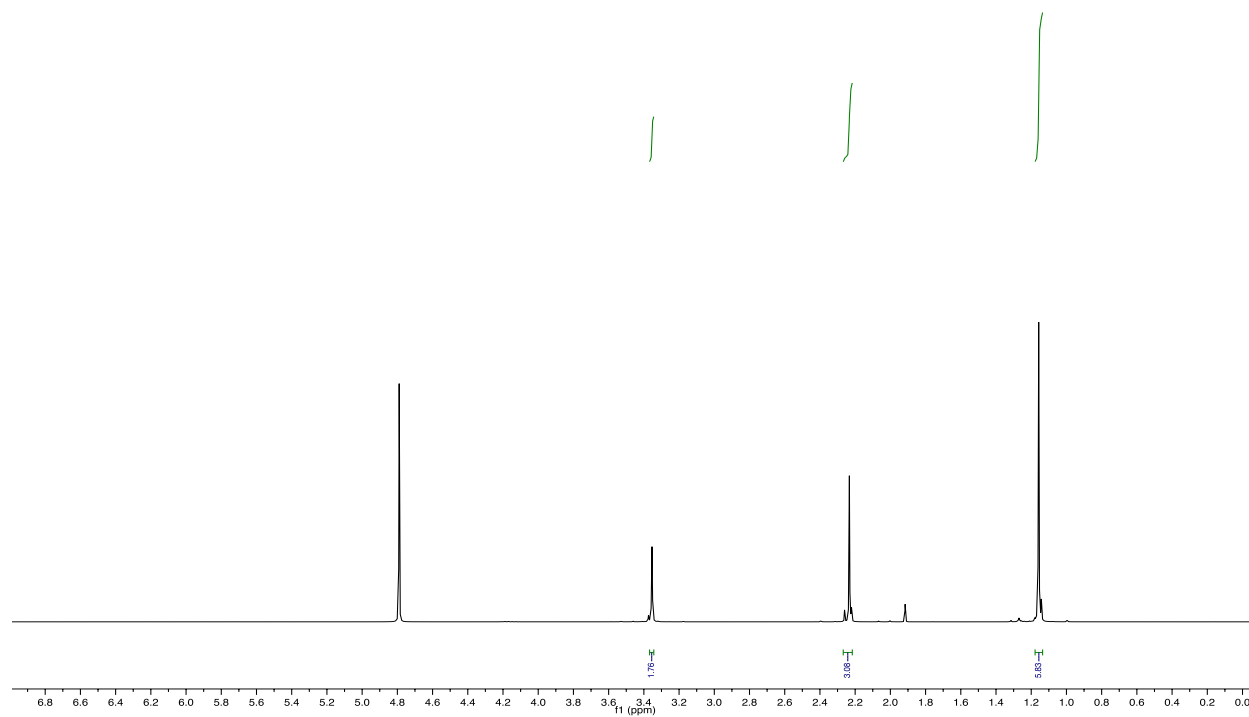
¹H Spectrum of 3-Amino-2-phenylquinazolin-4(3*H*)-one (**20d**)



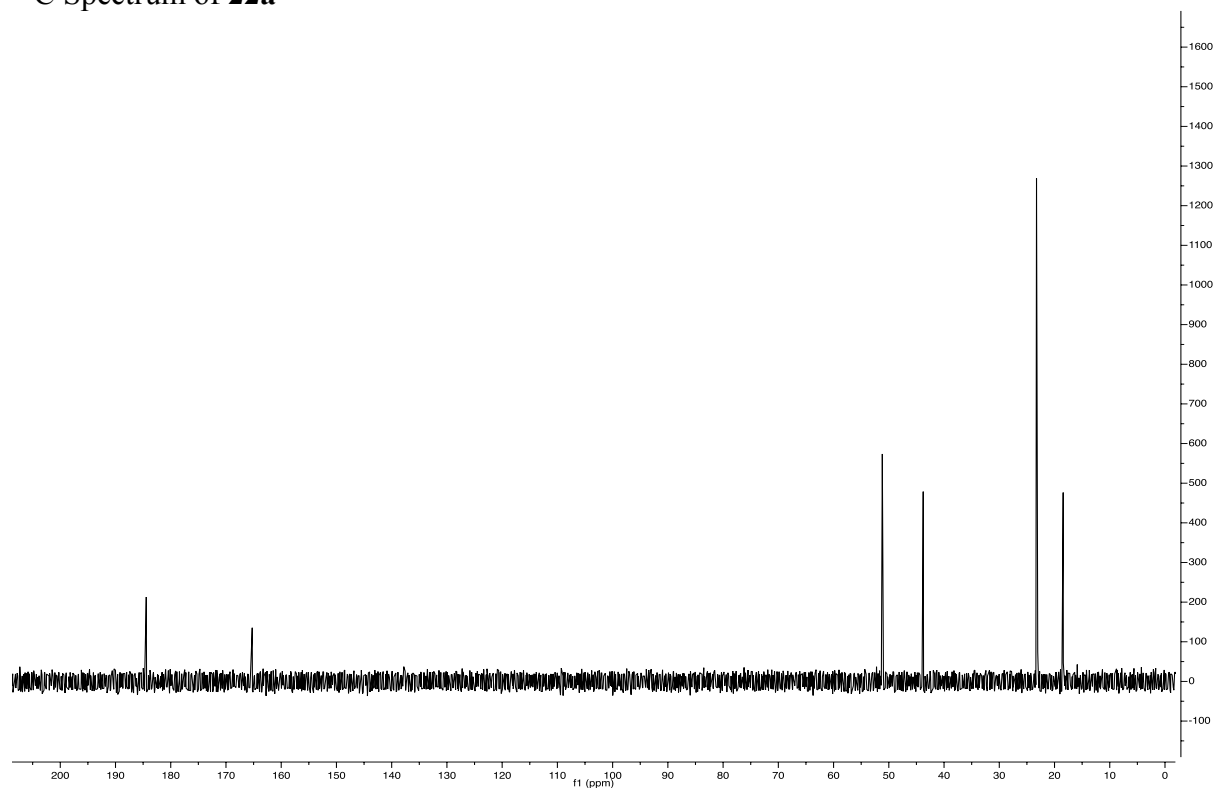
¹³C Spectrum of **20d**



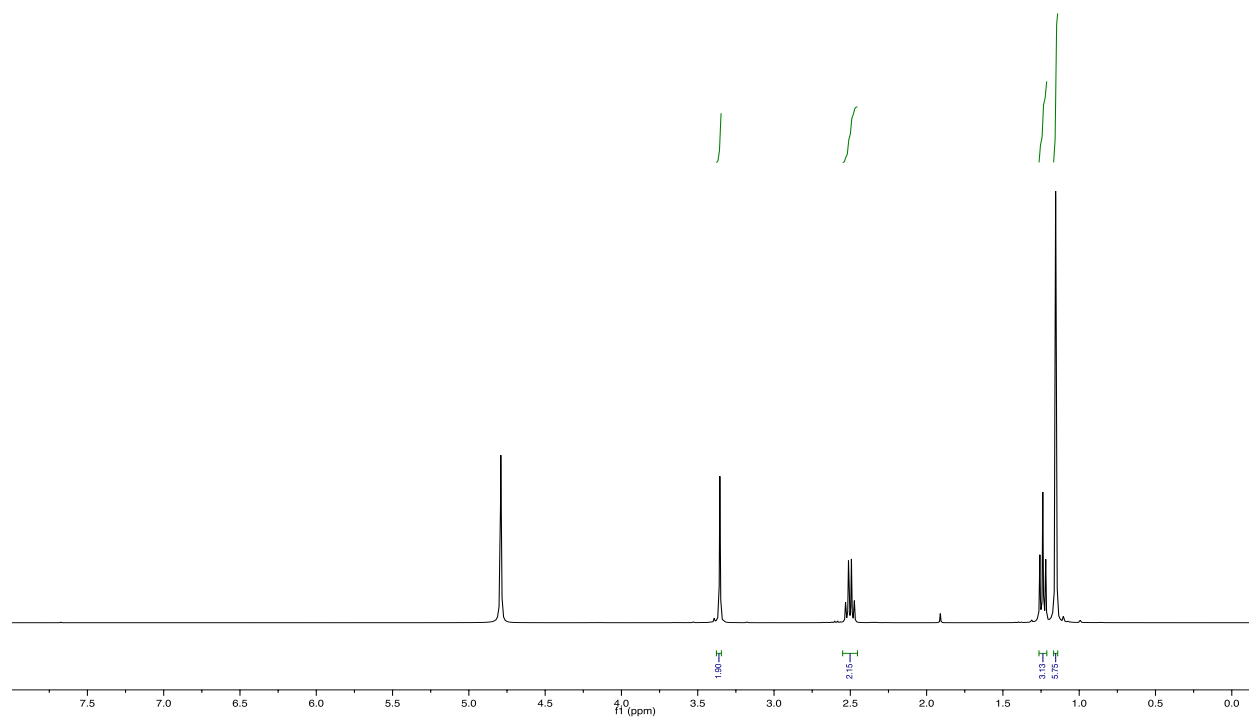
¹H Spectrum of 2,5,5-Trimethyl-5,6-dihydropyrimidin-4(3H)-one (**22a**)



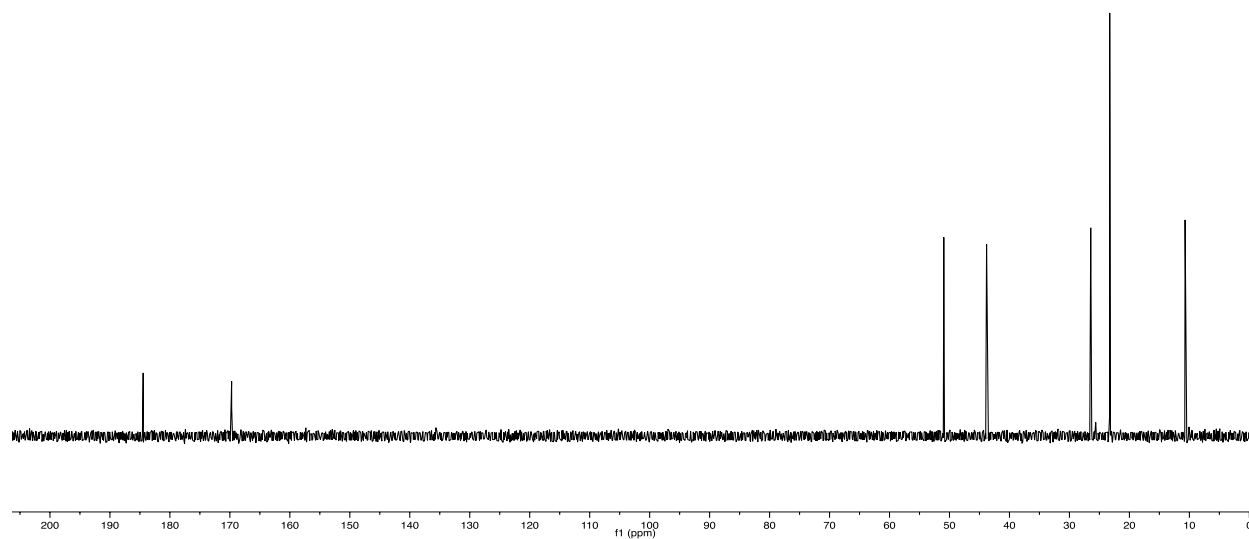
¹³C Spectrum of **22a**



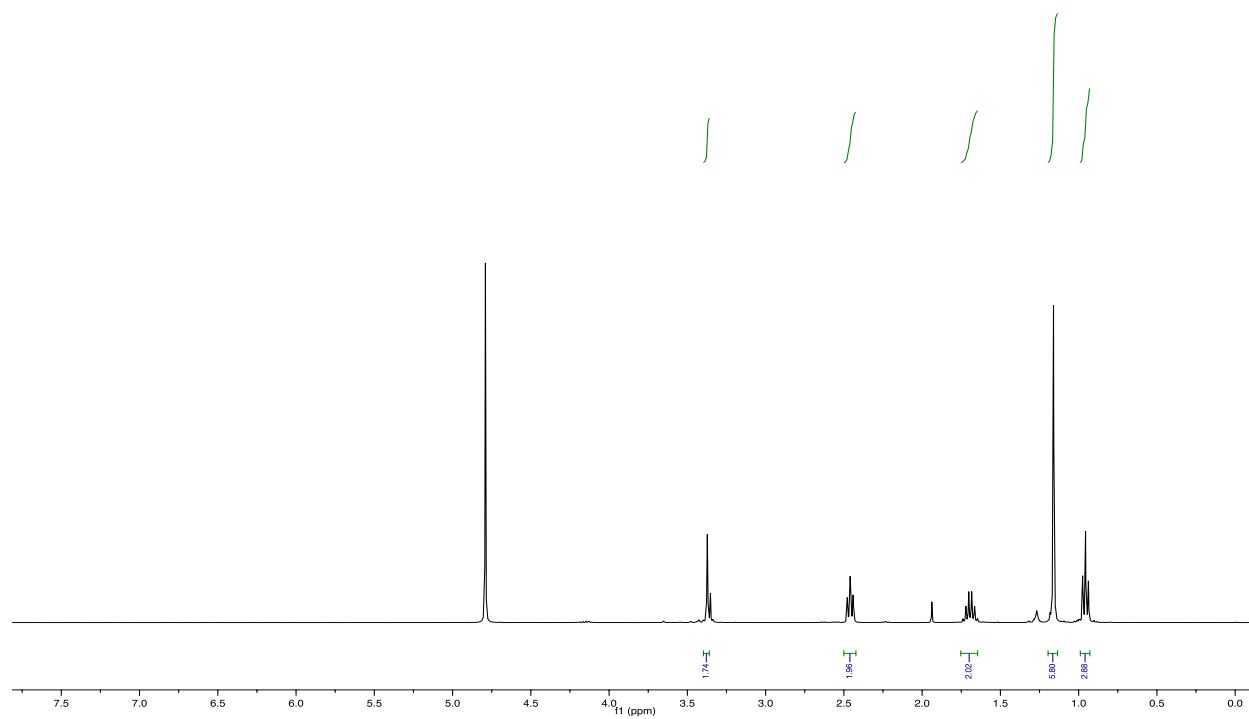
¹H Spectrum of 2-Ethyl-5,5-dimethyl-5,6-dihydropyrimidin-4(3H)-one (**22b**)



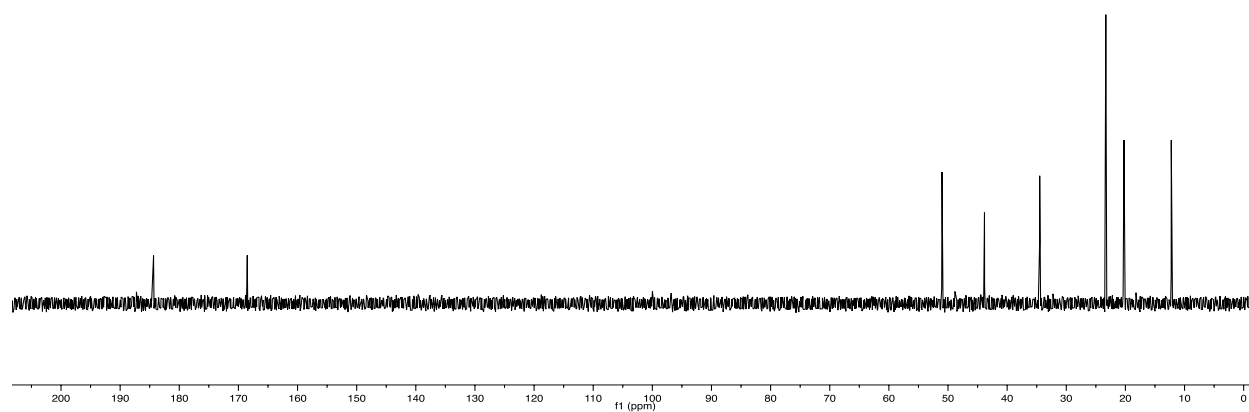
¹³C Spectrum of **22b**



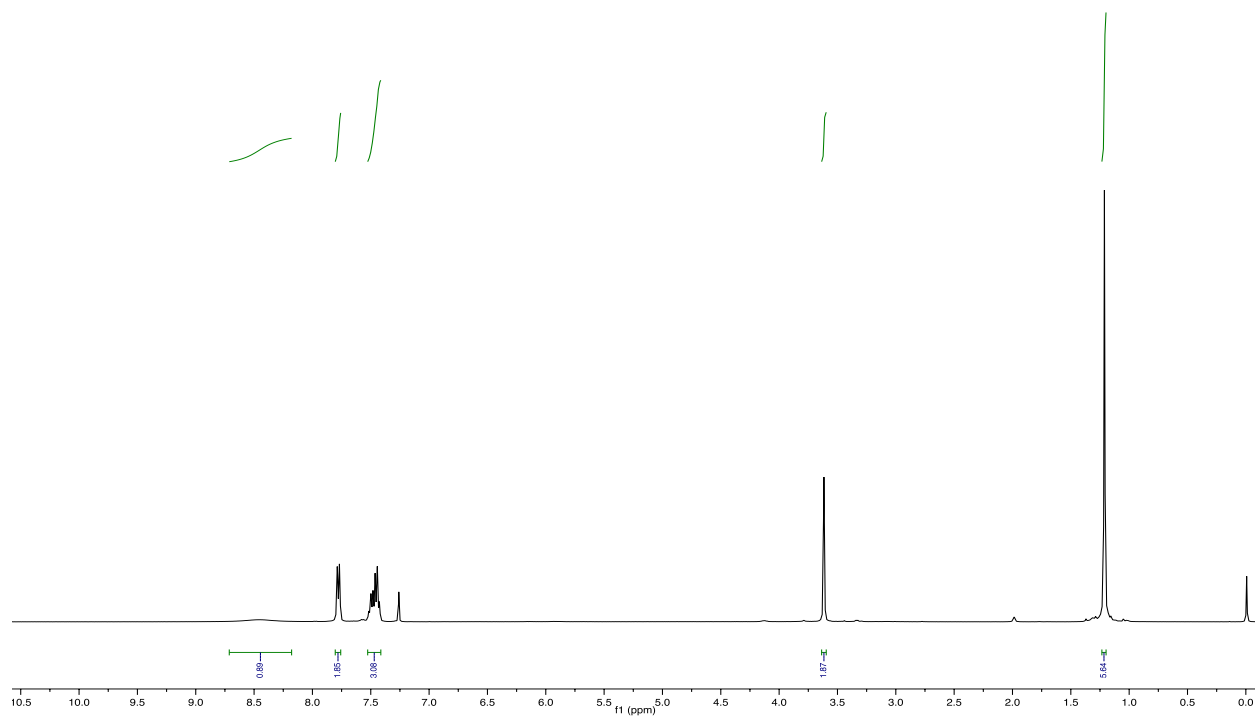
¹H Spectrum of 5,5-Dimethyl-2-propyl-5,6-dihydropyrimidin-4(3H)-one (**22c**)



¹³C Spectrum of **22c**



¹H Spectrum of 5,5-Dimethyl-2-phenyl-5,6-dihydropyrimidin-4(3H)-one (**22d**)



¹³C Spectrum of **22d**

