Supporting Information for:

Fluorescent α-Amino Acids via Heck-Matsuda Reactions of Phenylalanine-Derived Arenediazonium Salts

*Rochelle McGrory, Rebecca Clarke, Olivia Marshall and Andrew Sutherland**

School of Chemistry, The Joseph Black Building, University of Glasgow,

Glasgow G12 8QQ, United Kingdom.

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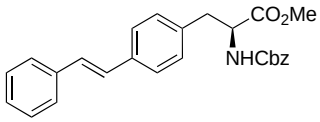
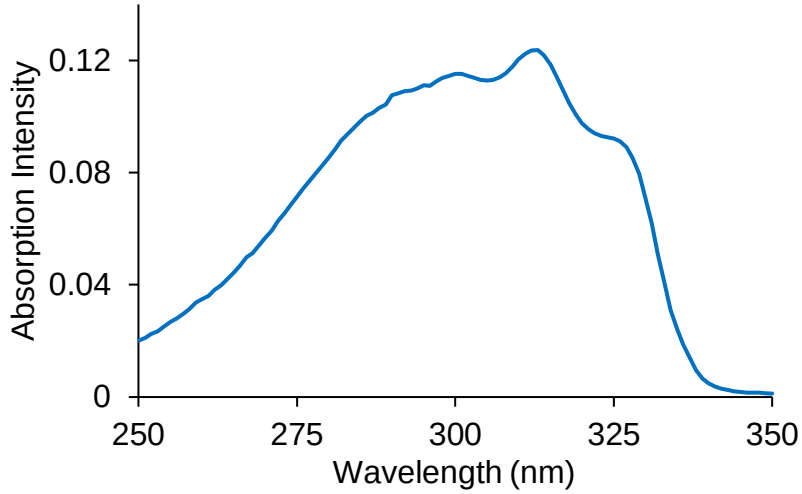
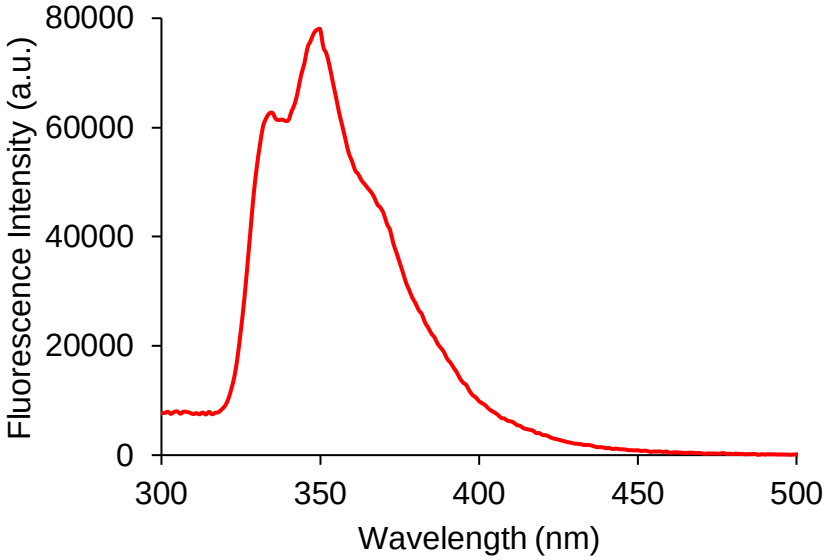
1. Photophysical Data for α-Amino Acids 12c–f and 14

Spectra were recorded using an excitation and emission slit width of 5 nm.

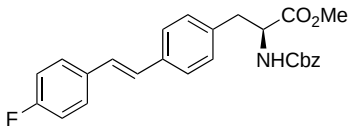
Absorption and Emission Spectra for 12c (5 μM in methanol).

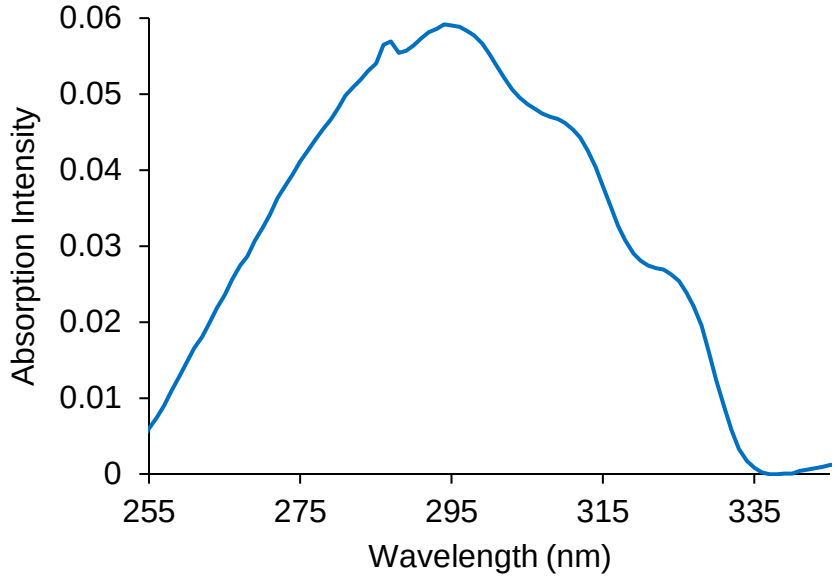


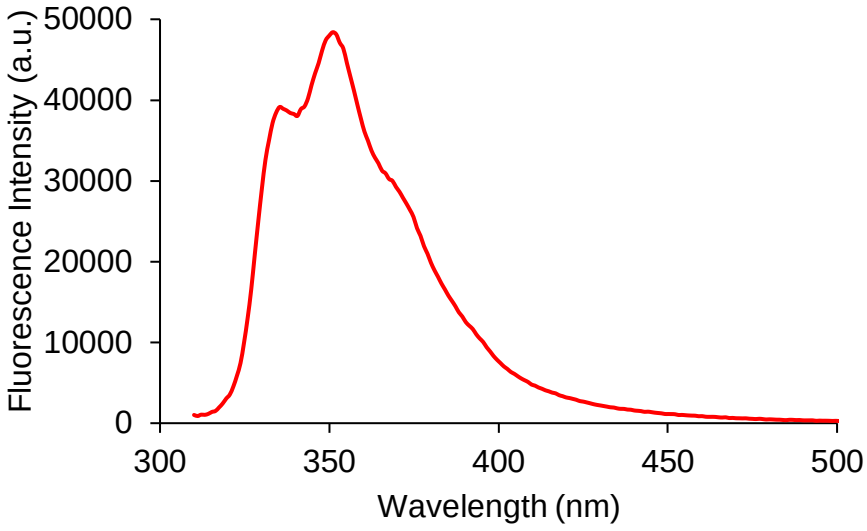




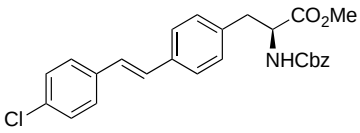
Absorption and Emission Spectra for 12d (2 μM in methanol).

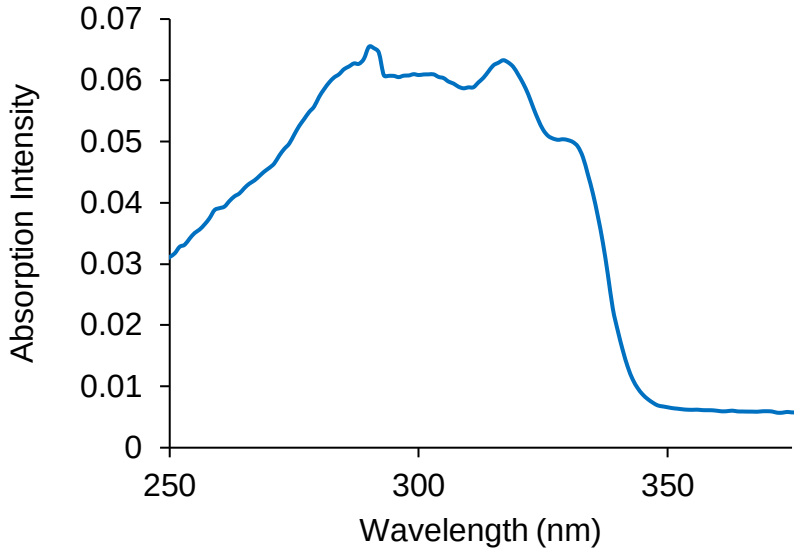


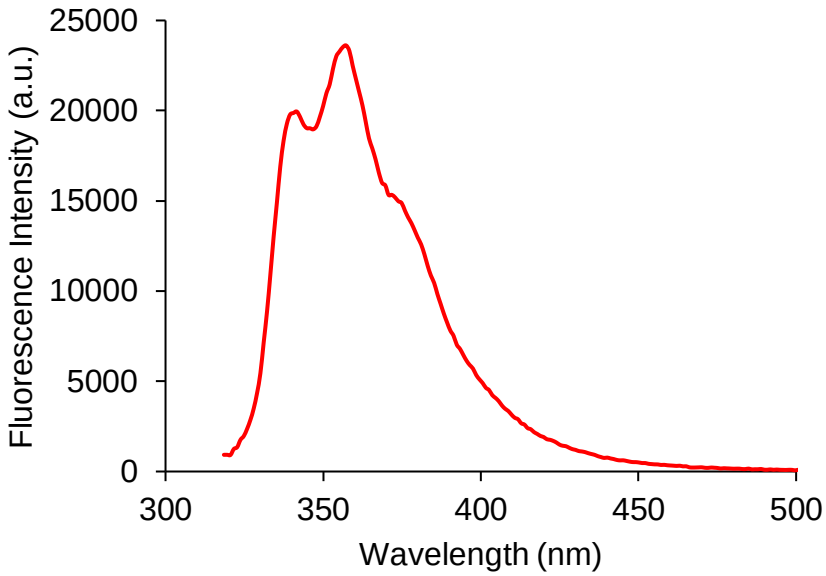




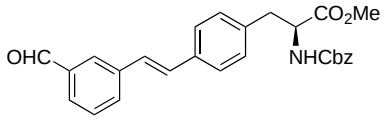
Absorption and Emission Spectra for 12e (2 μM in methanol).

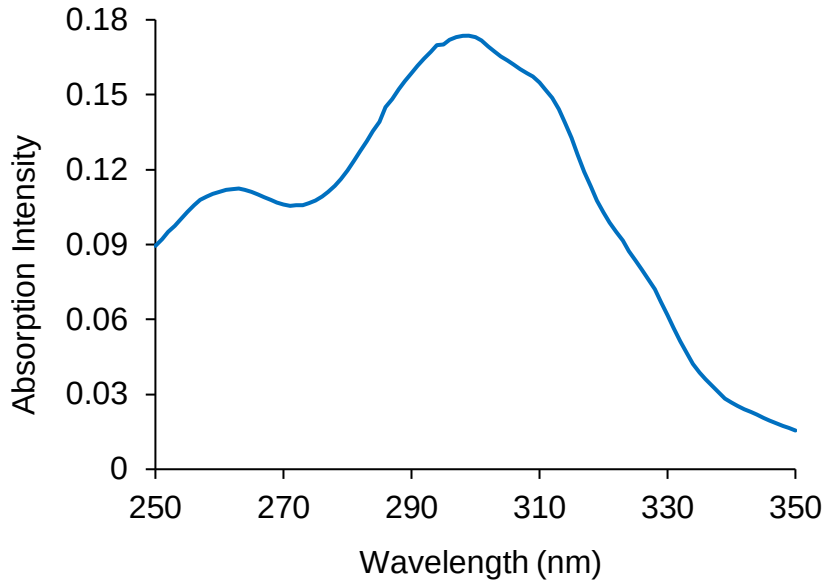


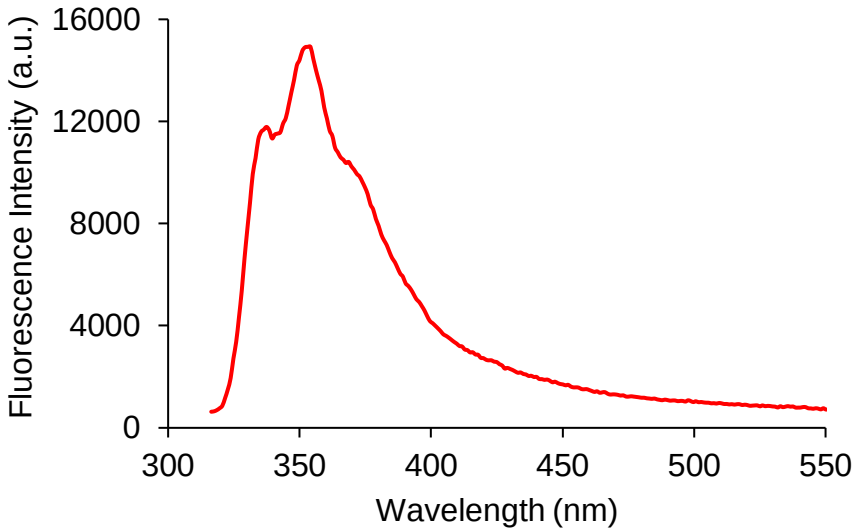




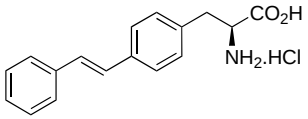
Absorption and Emission Spectra for 12f (5 μM in methanol).

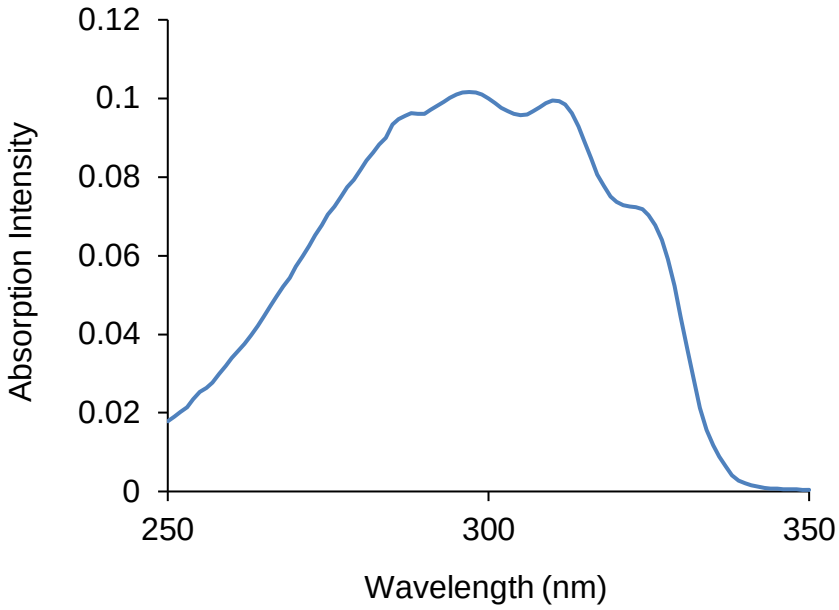


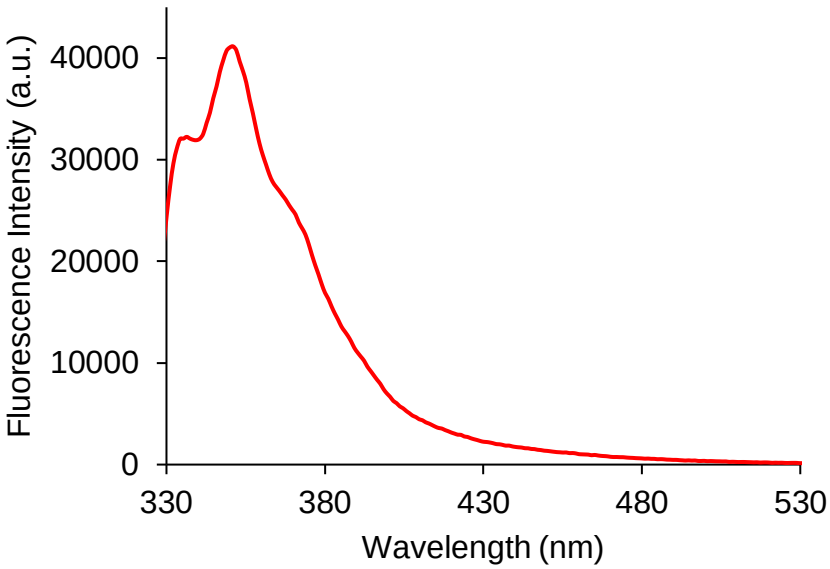




Absorption and Emission Spectra for 14 (5 μM in methanol).

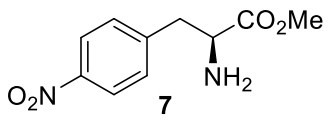






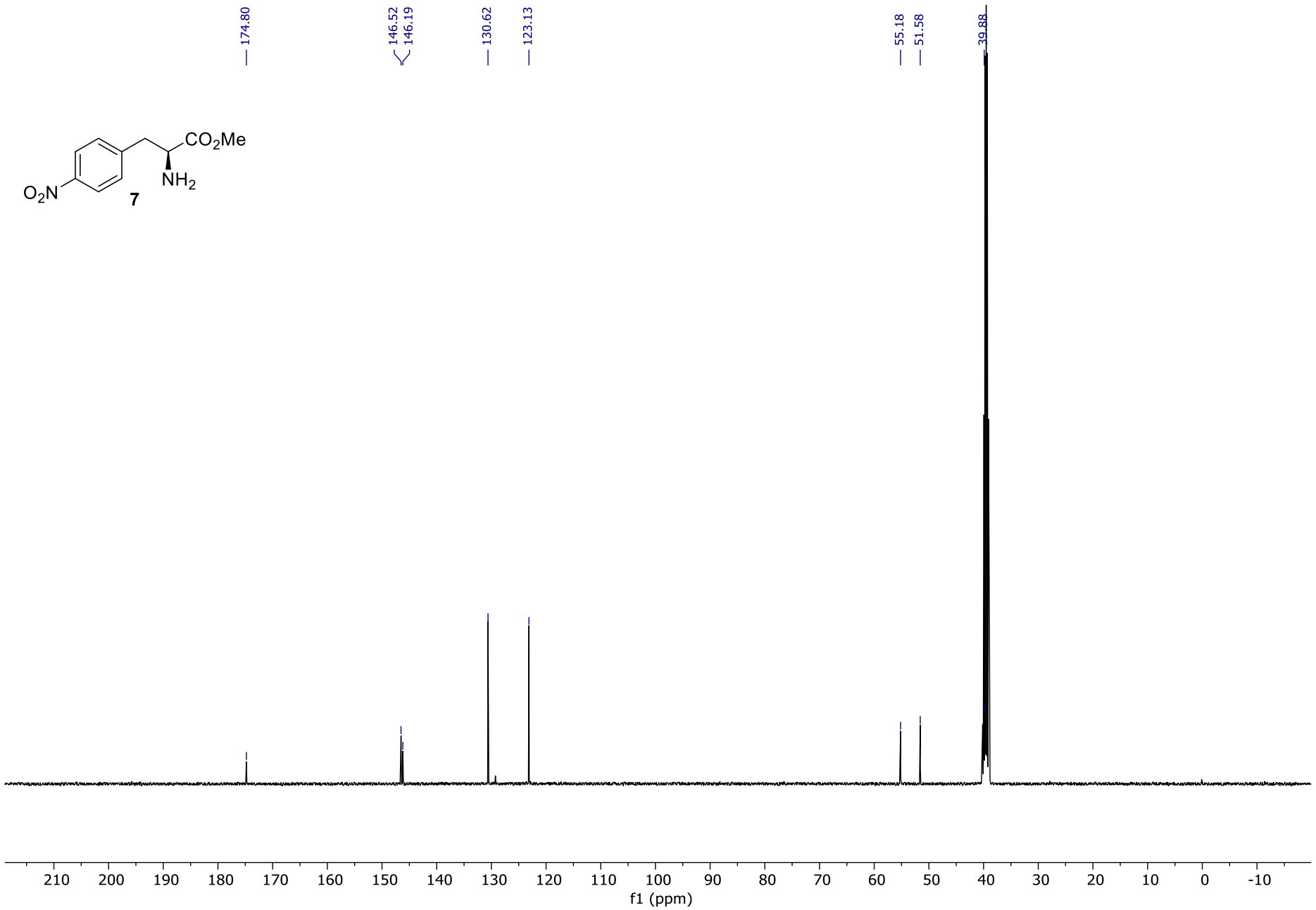
2. ^{1}H and ^{13}C NMR Spectra for all Compounds

^{1}H NMR (400 MHz, DMSO-d_6)

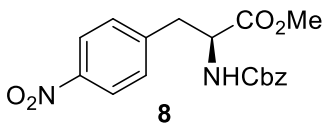


7

$^{13}C\{^{1}H\}$ NMR (101 MHz, DMSO-d_6)



^{1}H NMR (400 MHz, $CDCl_3$)



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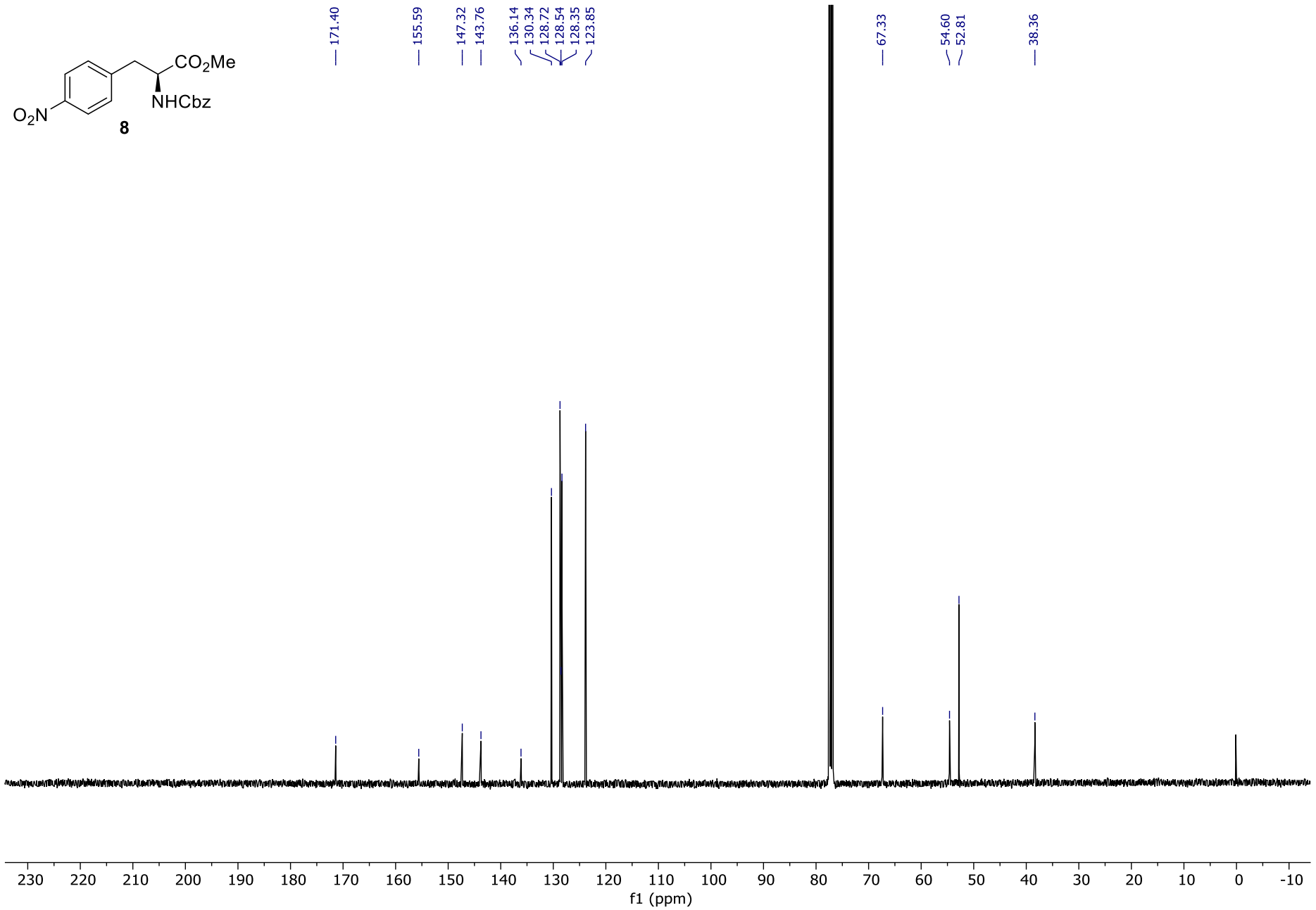
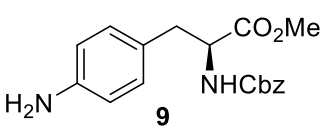
$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)

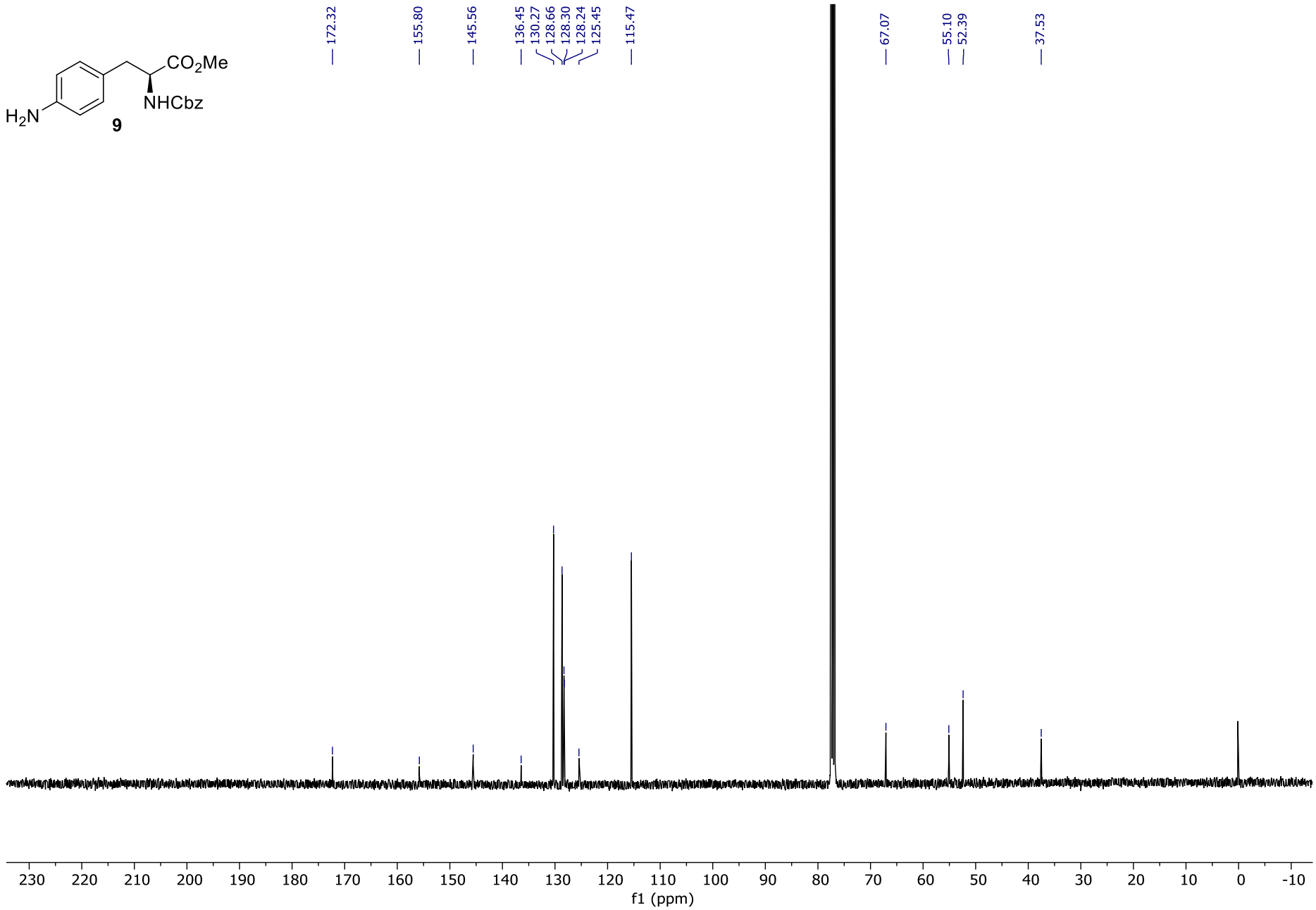


^{1}H NMR (400 MHz, $CDCl_3$)

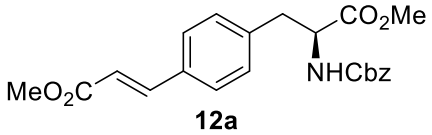


9

$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)

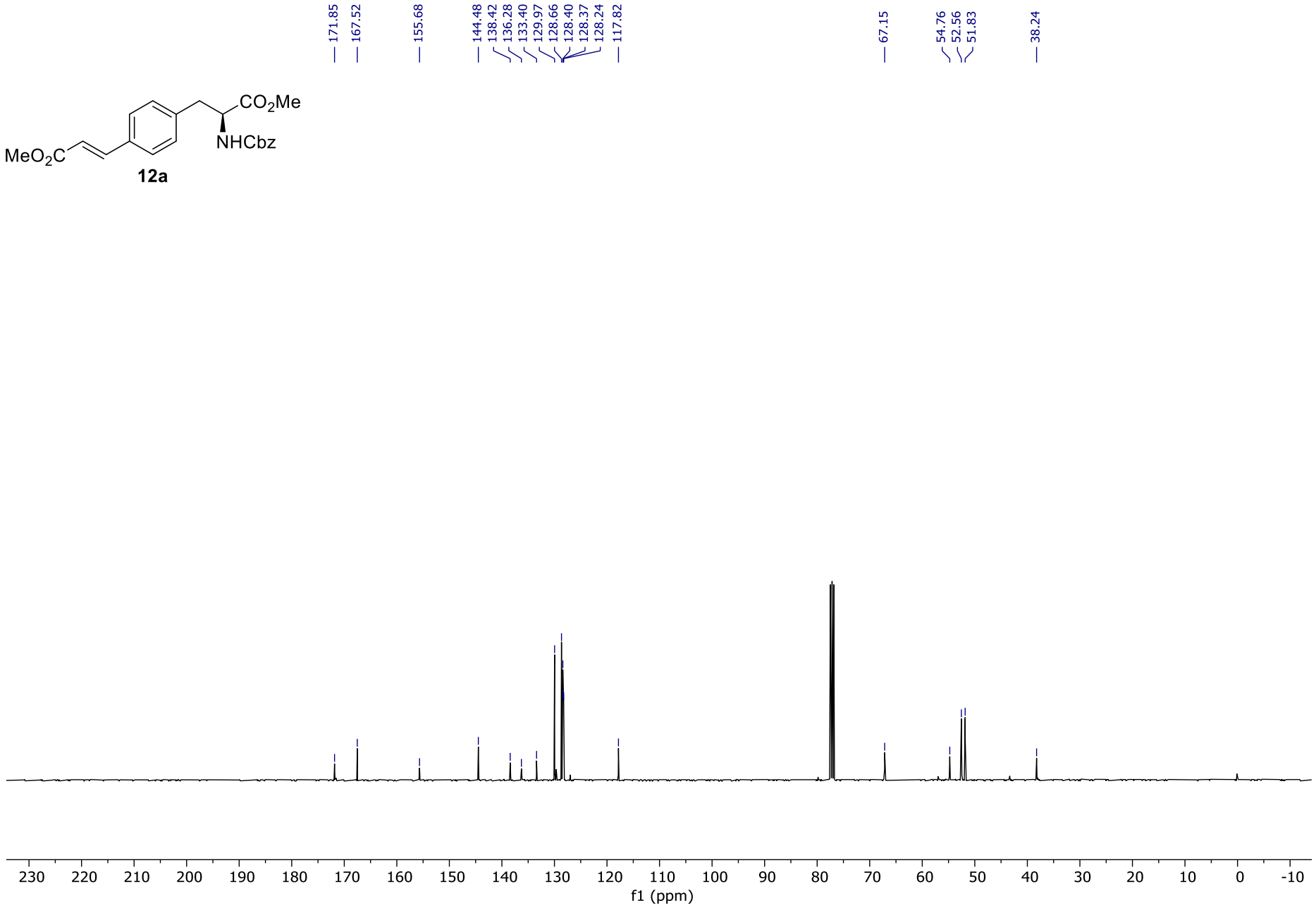


^{1}H NMR (400 MHz, $CDCl_3$)

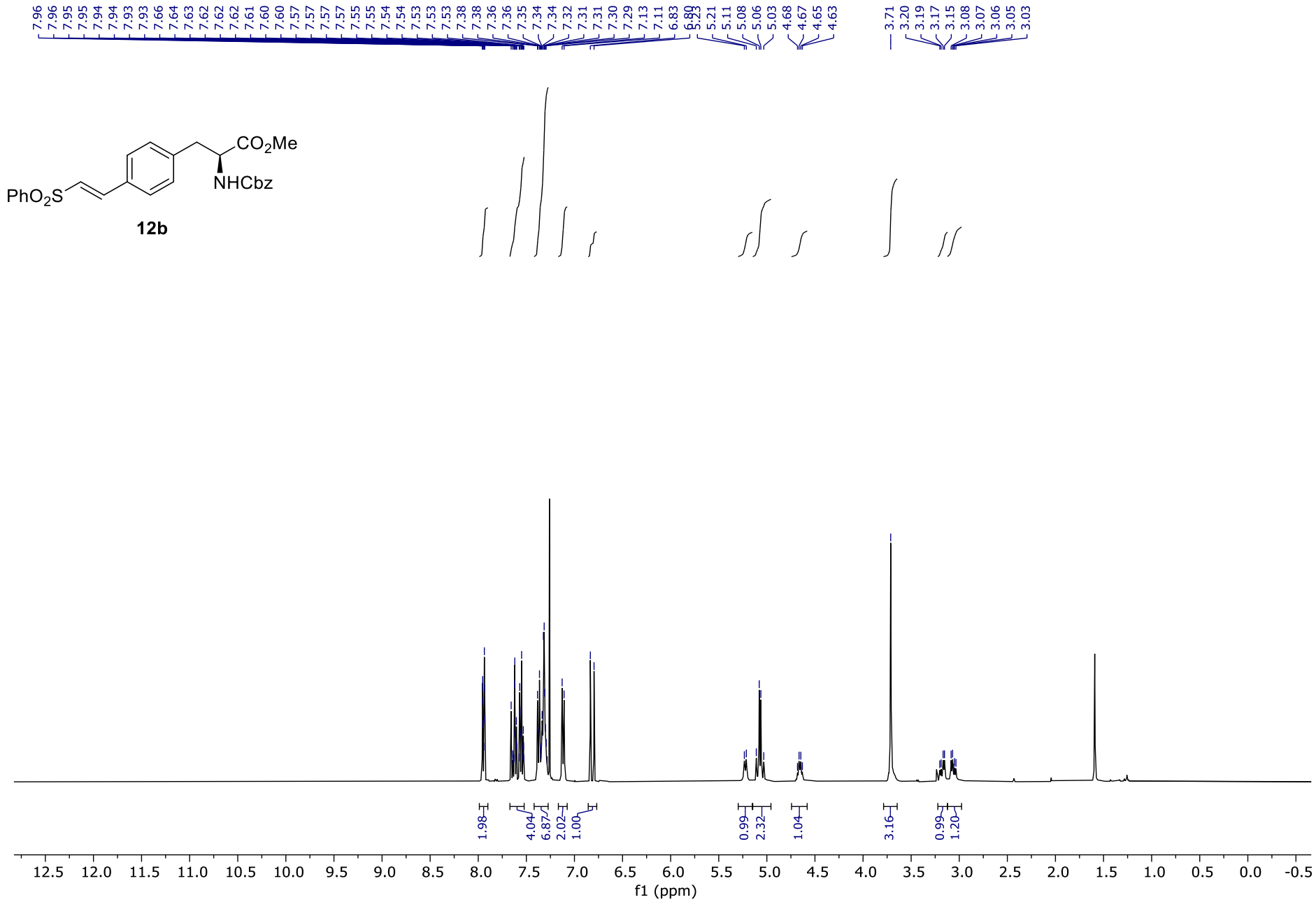


12a

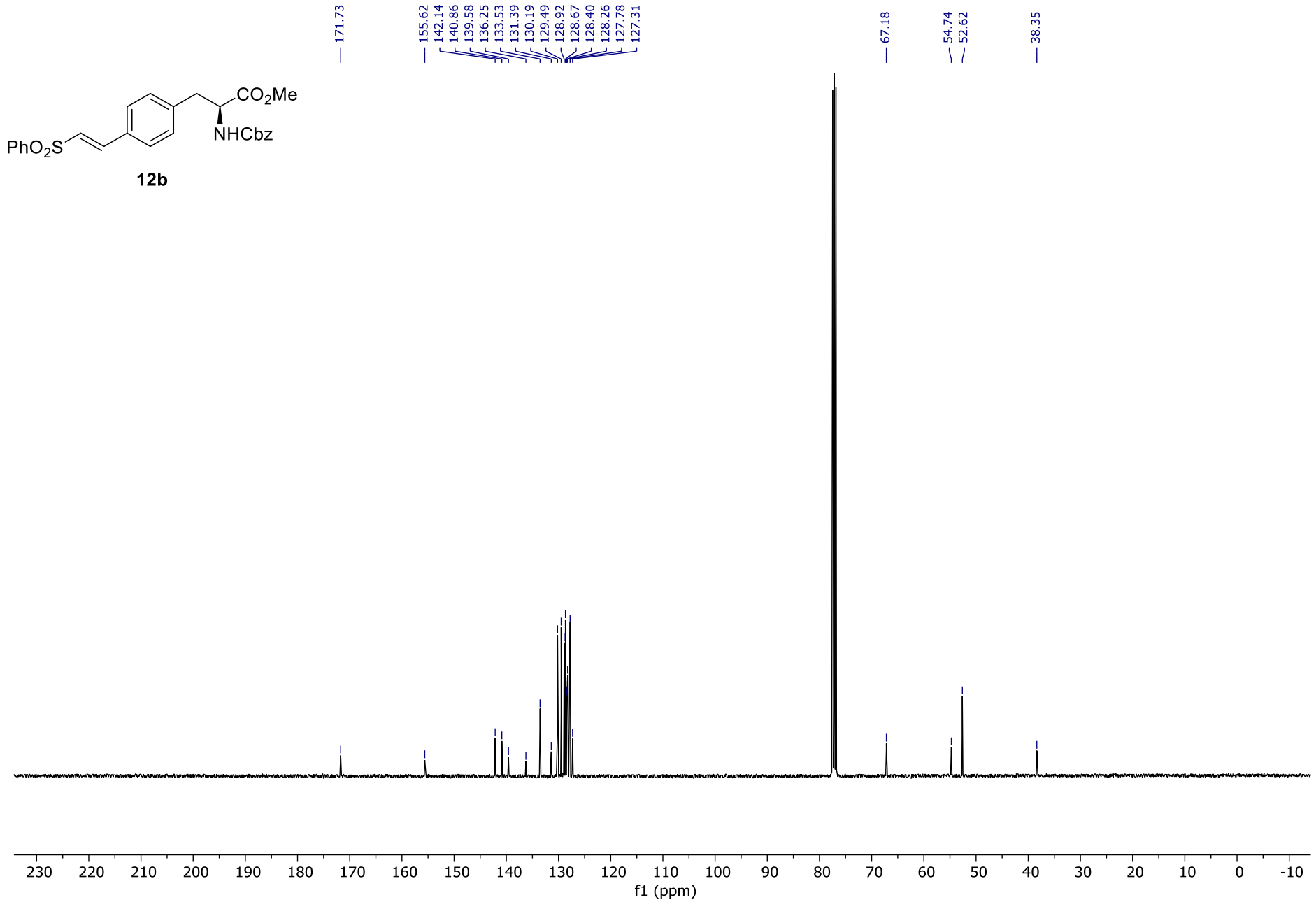
$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)



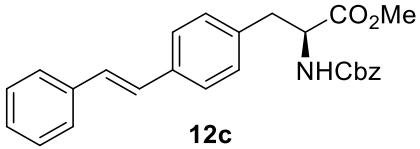
^{1}H NMR (400 MHz, $CDCl_3$)



$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)

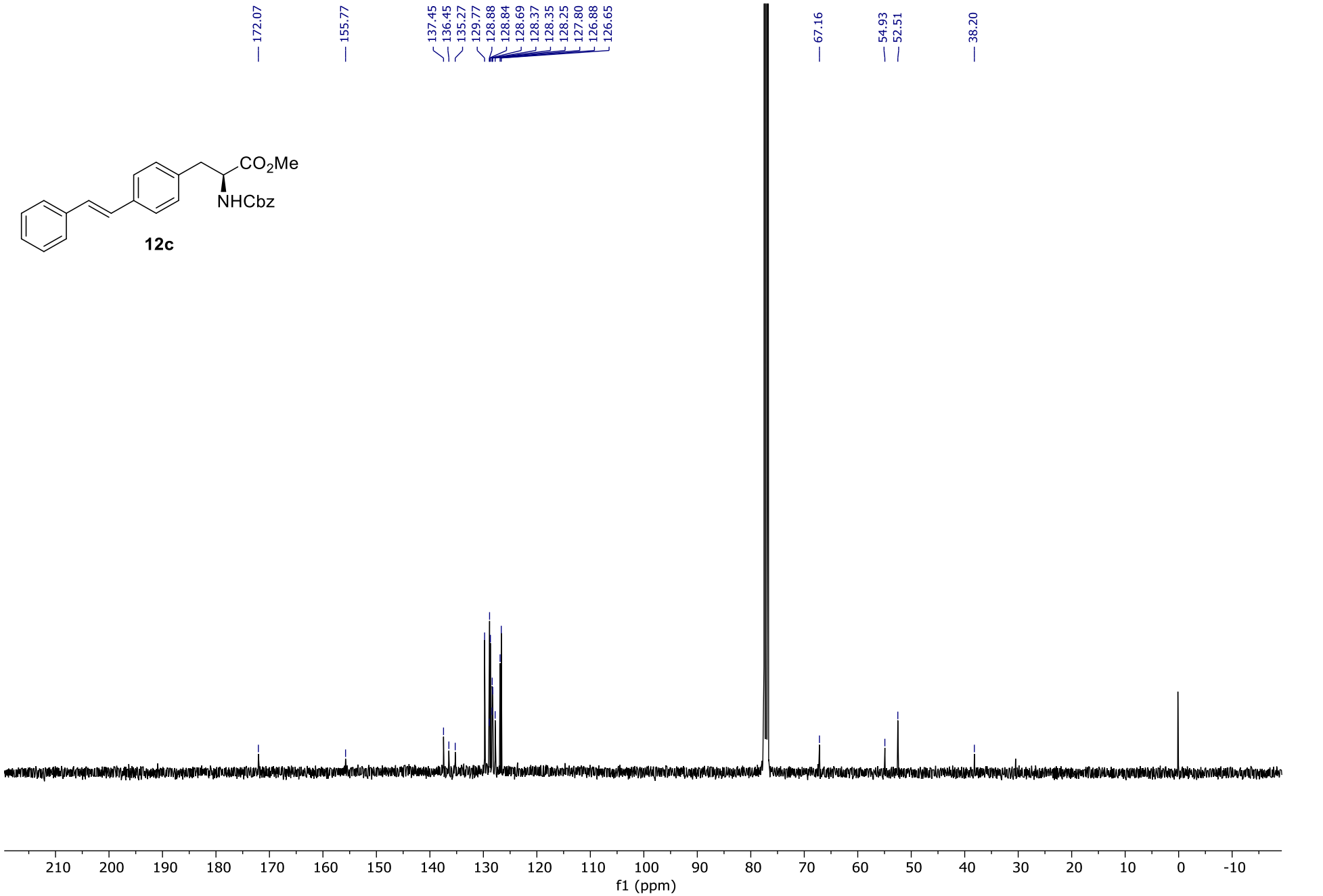


^{1}H NMR (400 MHz, $CDCl_3$)

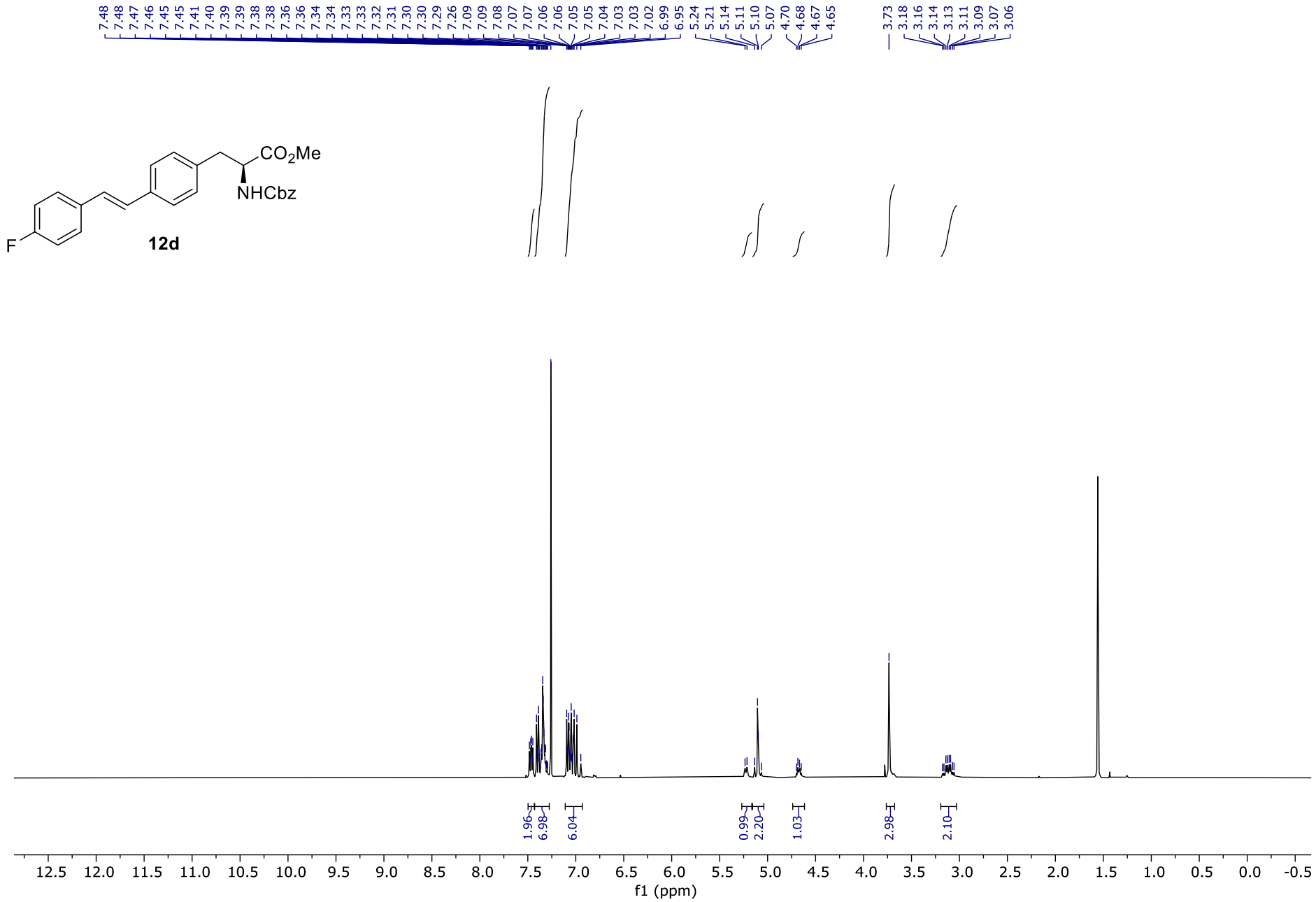


12c

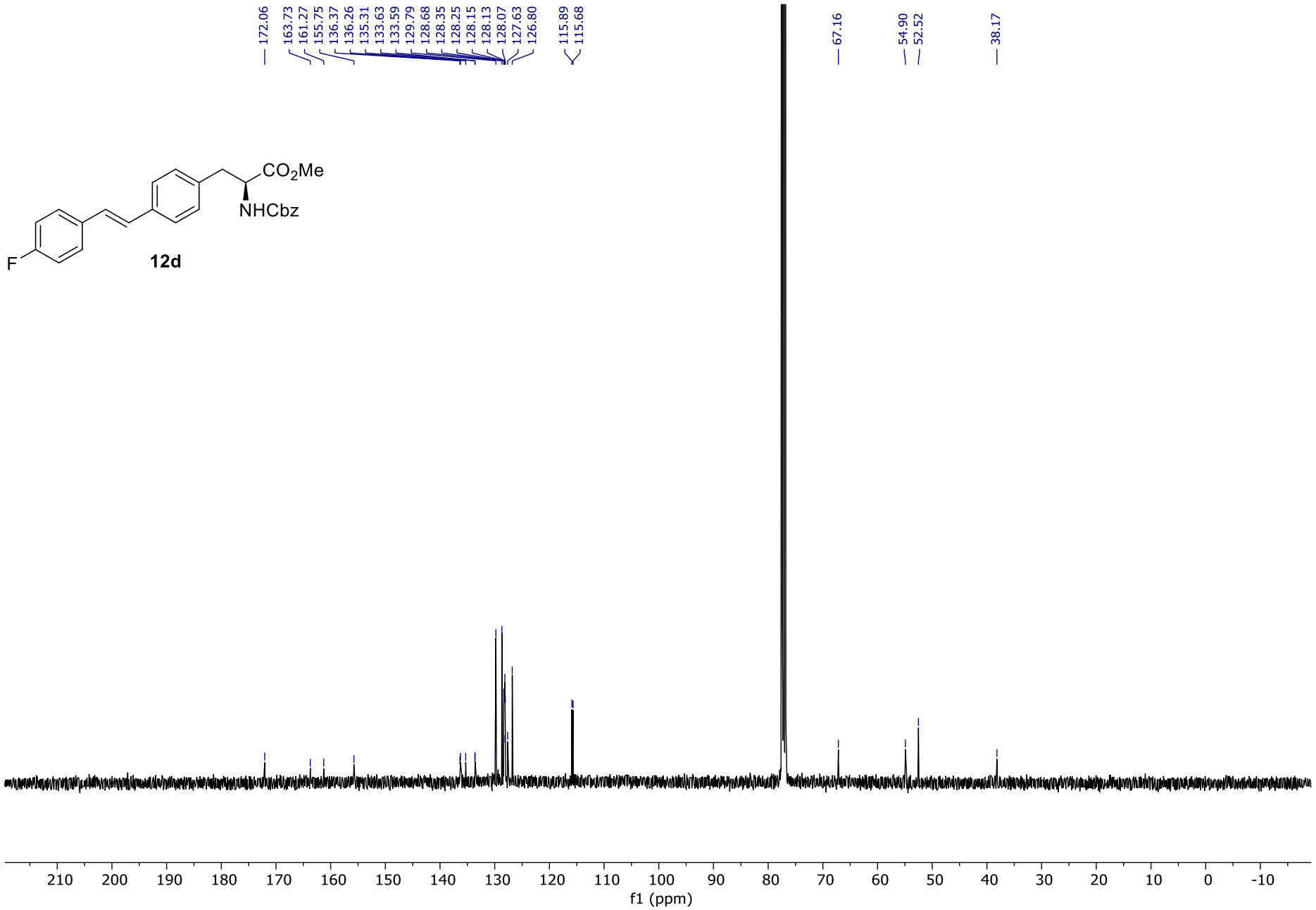
$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)



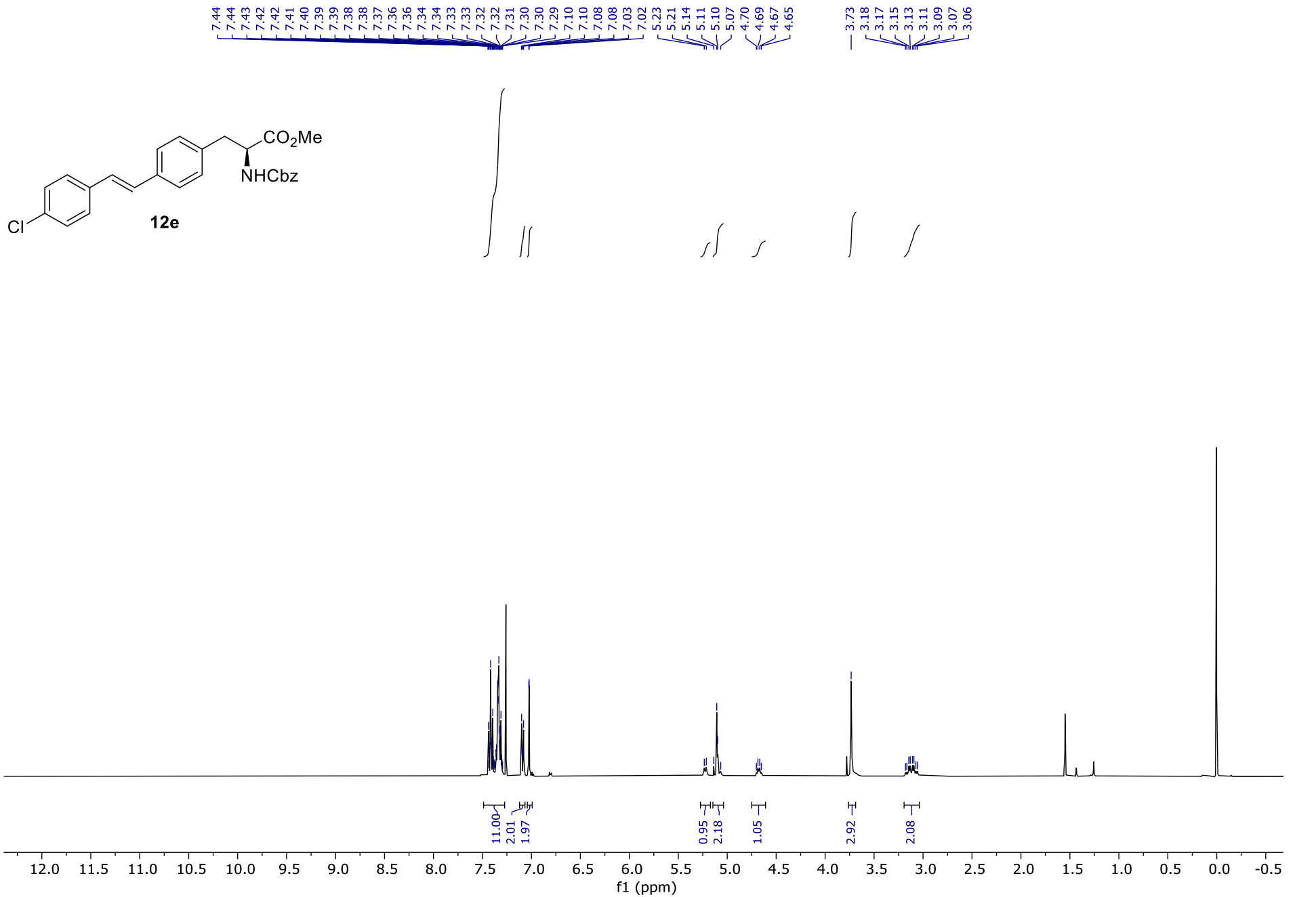
^{1}H NMR (400 MHz, $CDCl_3$)



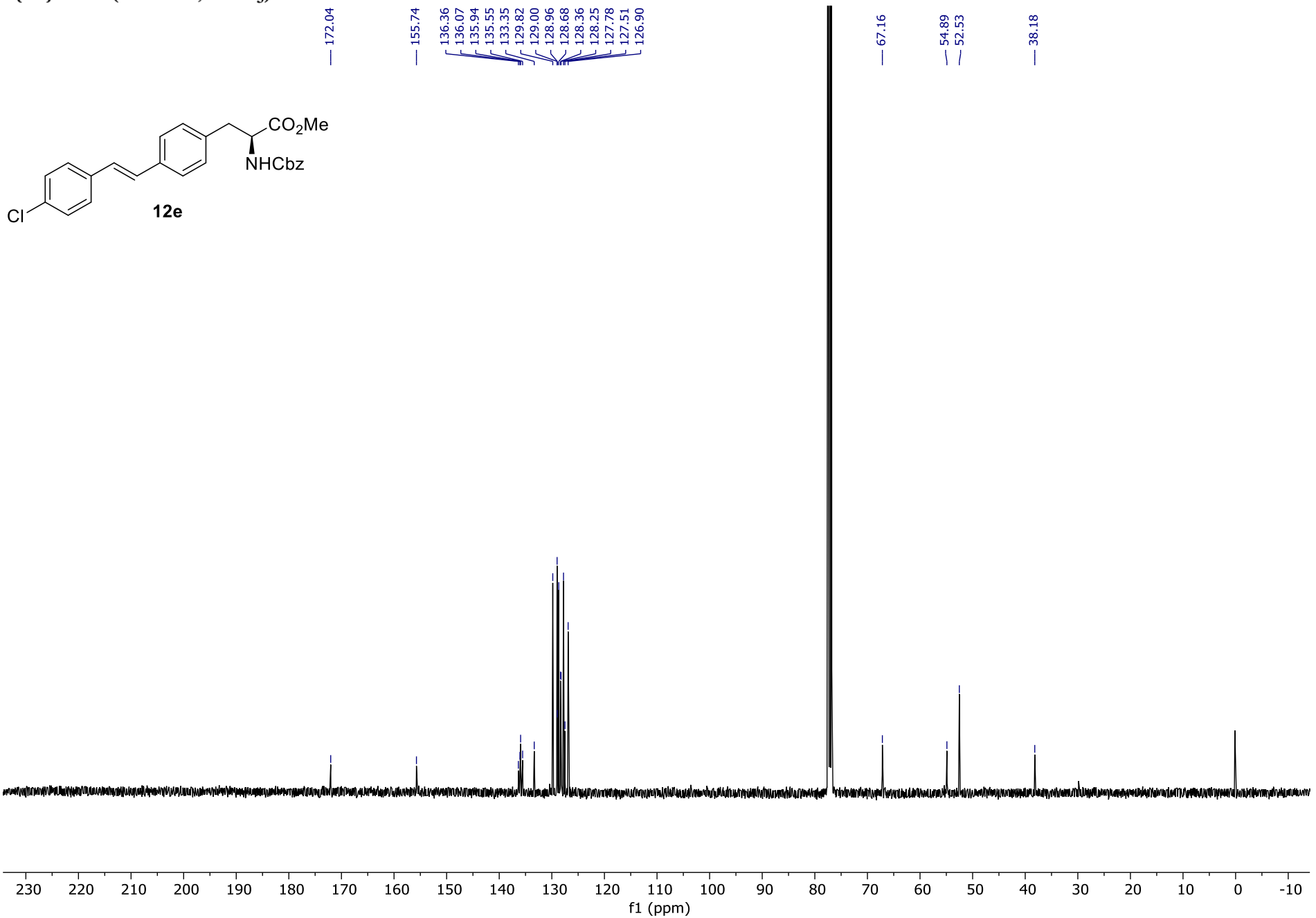
$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)



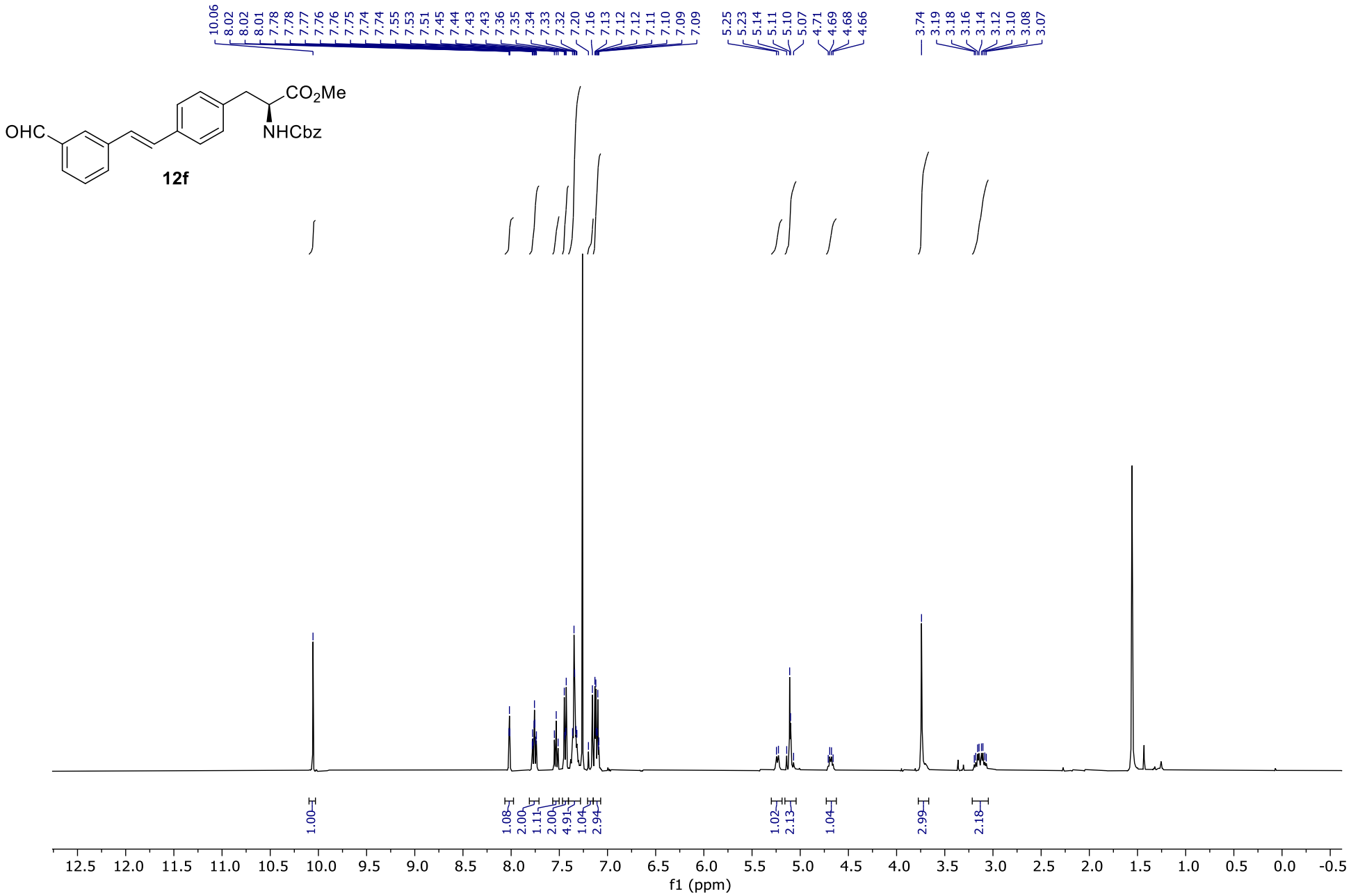
^{1}H NMR (400 MHz, $CDCl_3$)



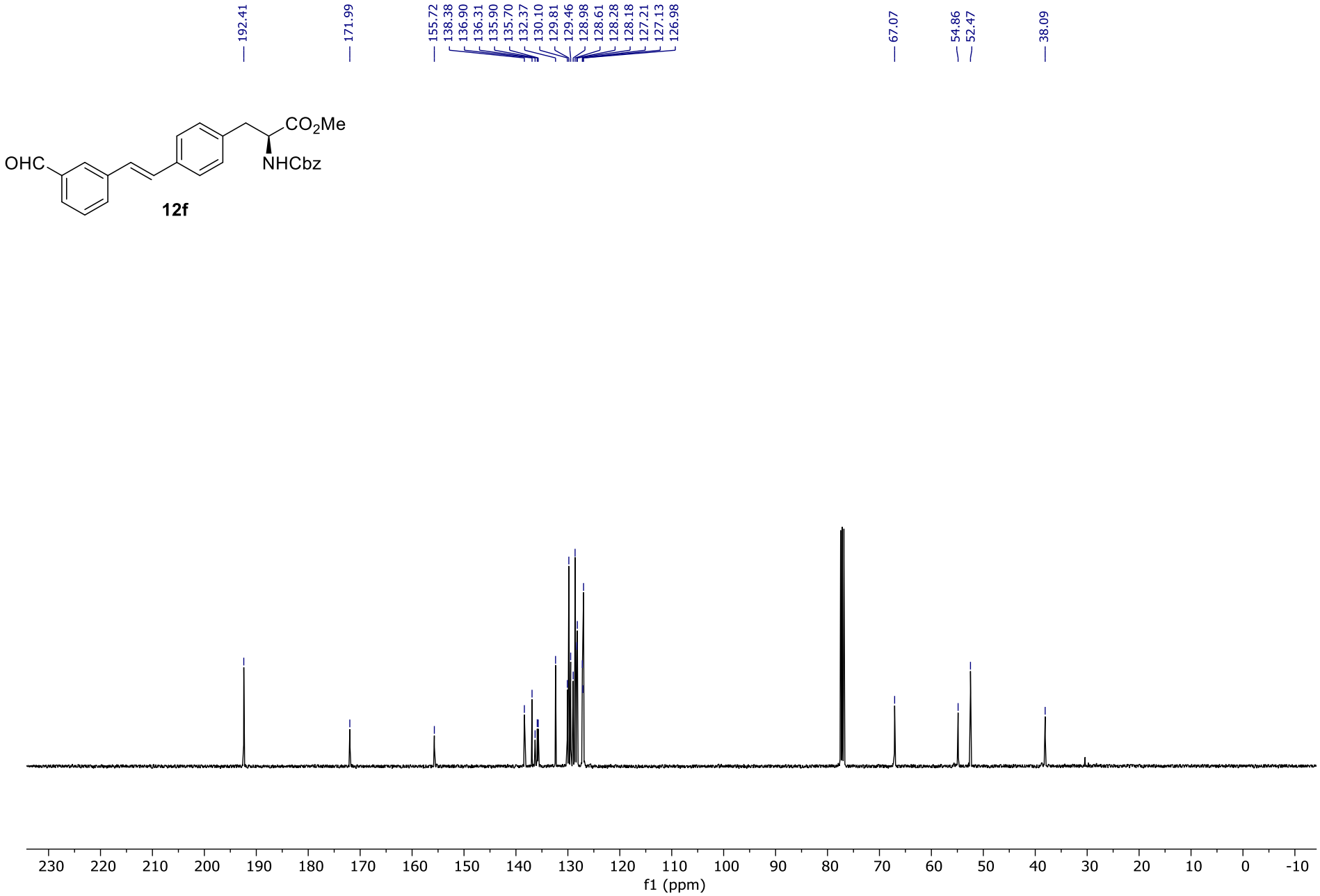
$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)



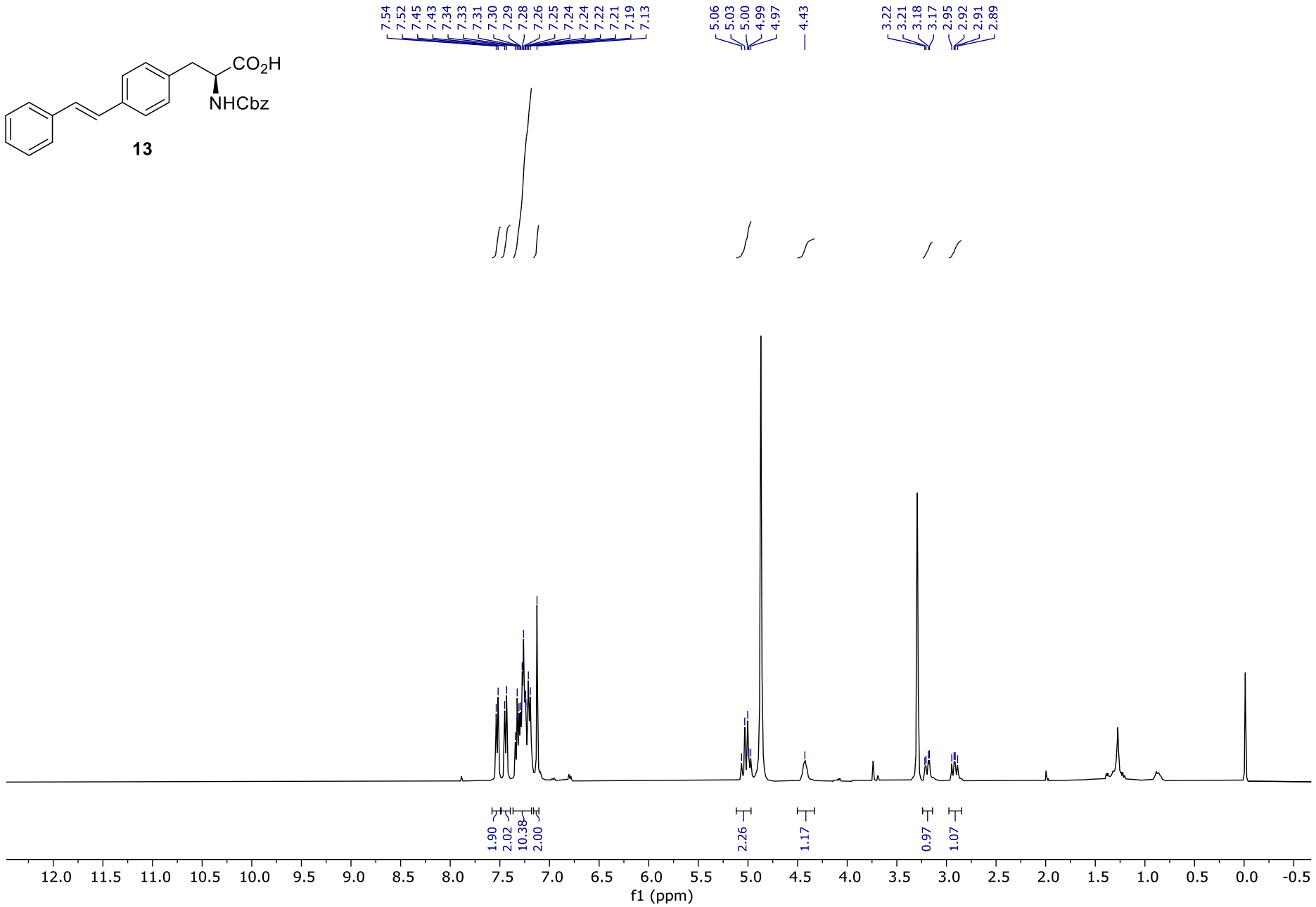
^{1}H NMR (400 MHz, $CDCl_3$)



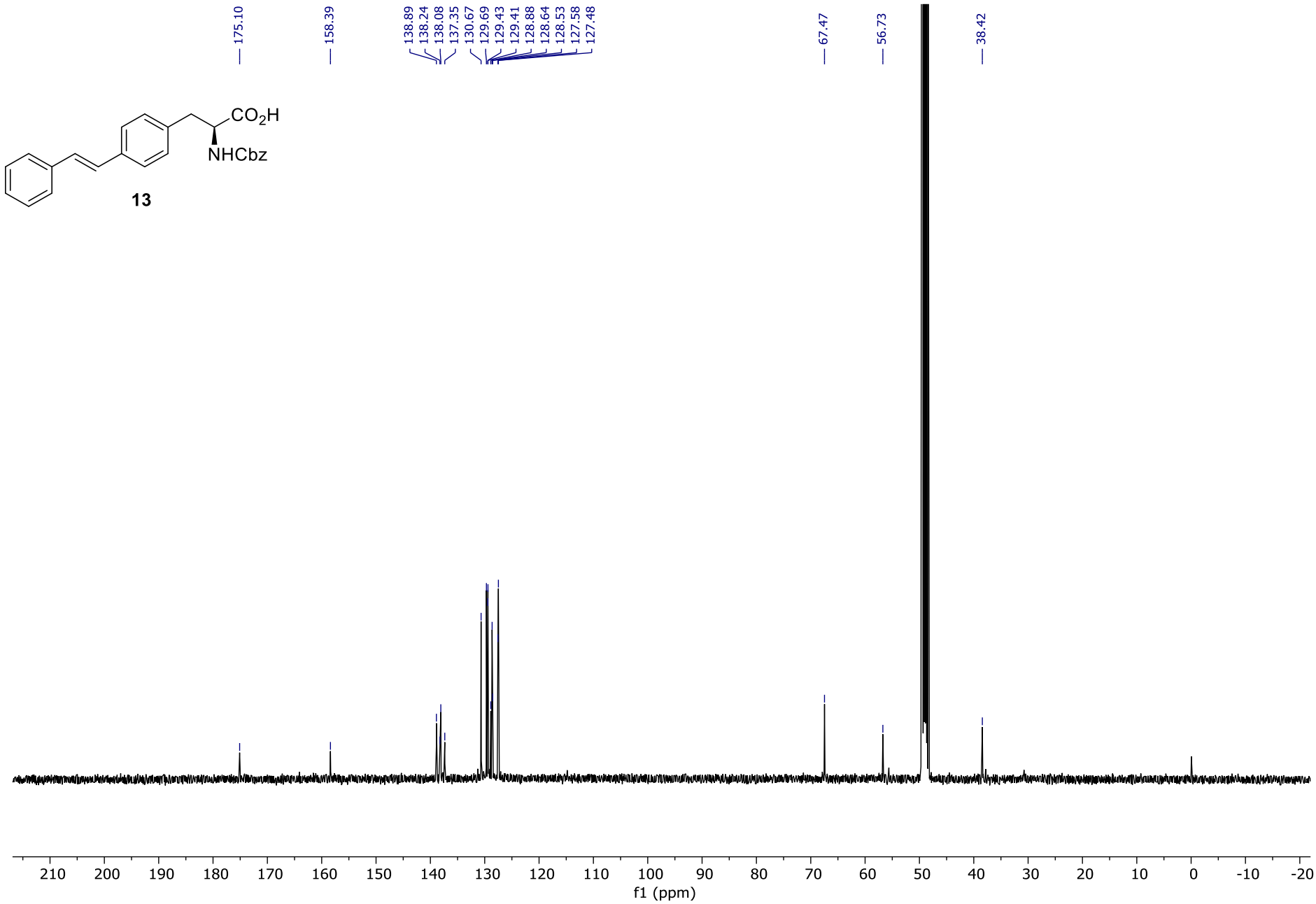
$^{13}C\{^{1}H\}$ NMR (101 MHz, $CDCl_3$)



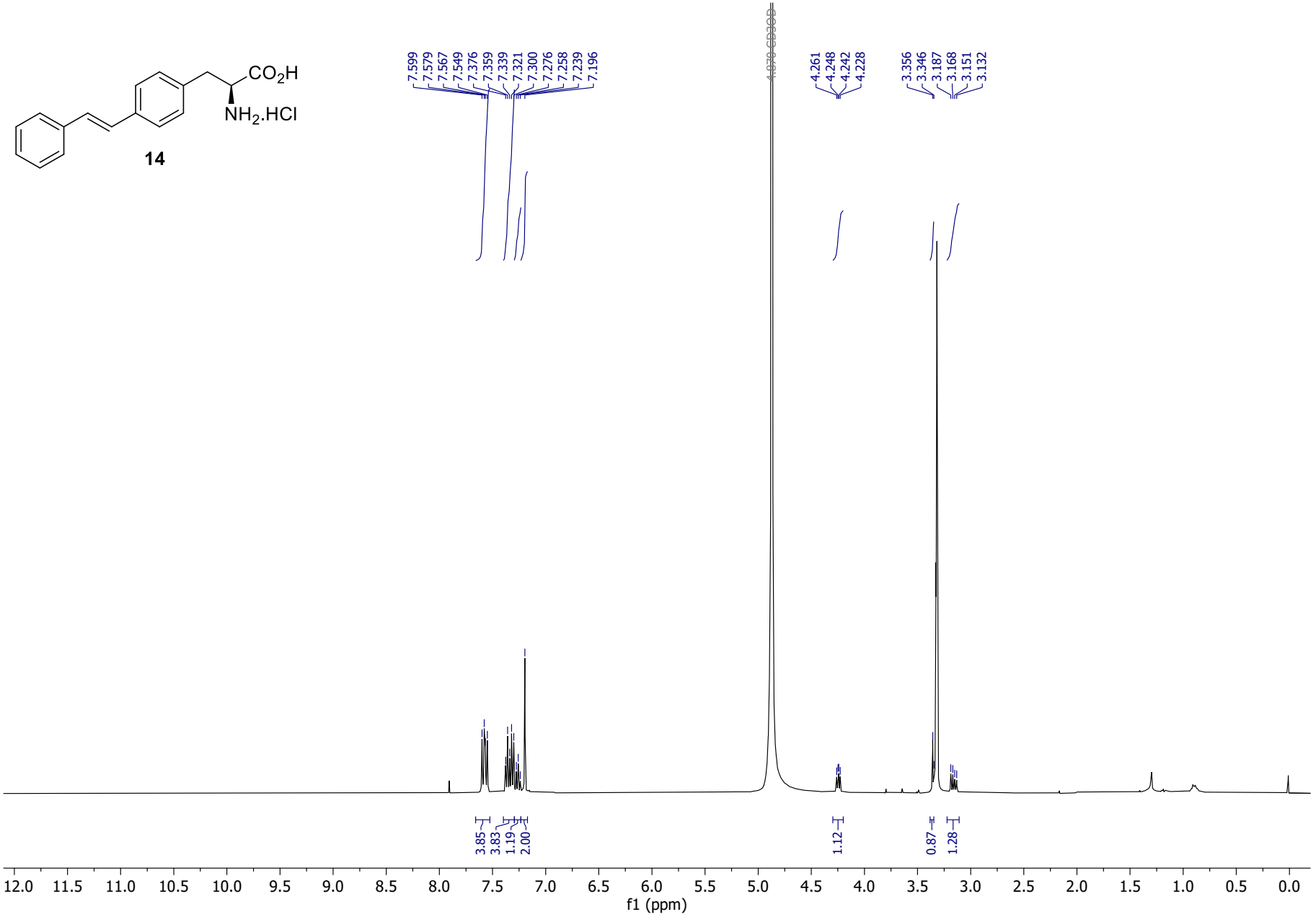
^{1}H NMR (400 MHz, CD_3OD)



$^{13}C\{^{1}H\}$ NMR (101 MHz, CD_3OD)



^{1}H NMR (400 MHz, CD_3OD)



$^{13}C\{^{1}H\}$ NMR (101 MHz, CD_3OD)