

Supporting Information

Visible Light Induced Metal-free Carbene *N*-Carbazolation

Claire Empel, Frederic W. Patureau* and Rene M. Koenigs*

frederic.patureau@rwth-aachen.de
rene.koenigs@rwth-aachen.de

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Picture of the Reaction Setup

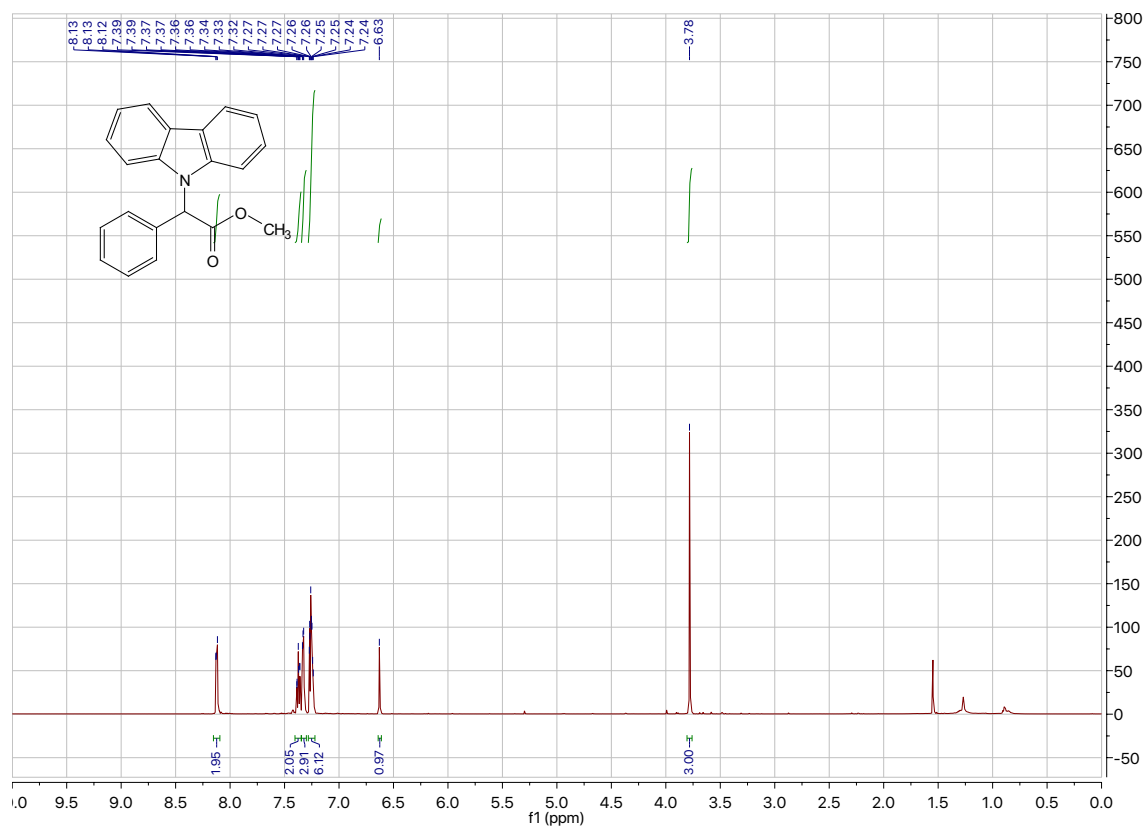
Picture is after reaction with a red-filter



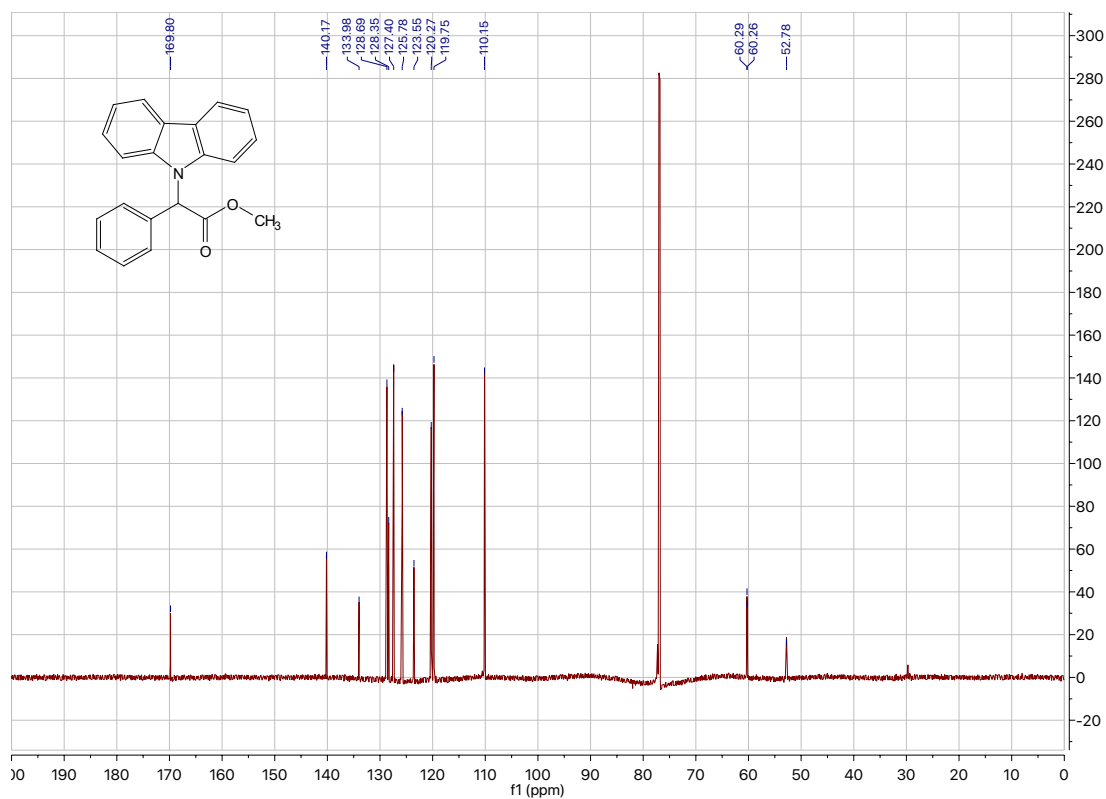
Spectra of Compounds

Methyl 2-(9*H*-carbazol-9-yl)-2-phenylacetate (**6aa**)

^1H NMR (600 MHz, Chloroform-*d*)

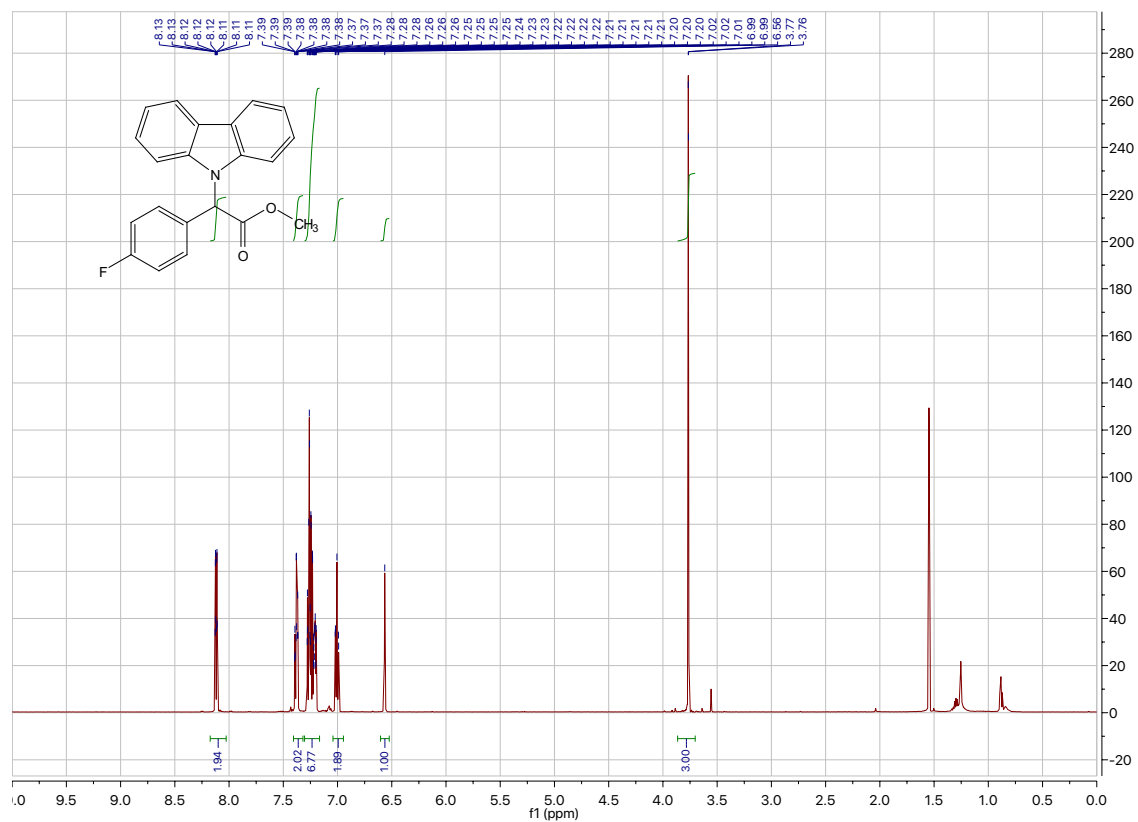


^{13}C NMR (151 MHz, Chloroform-*d*)

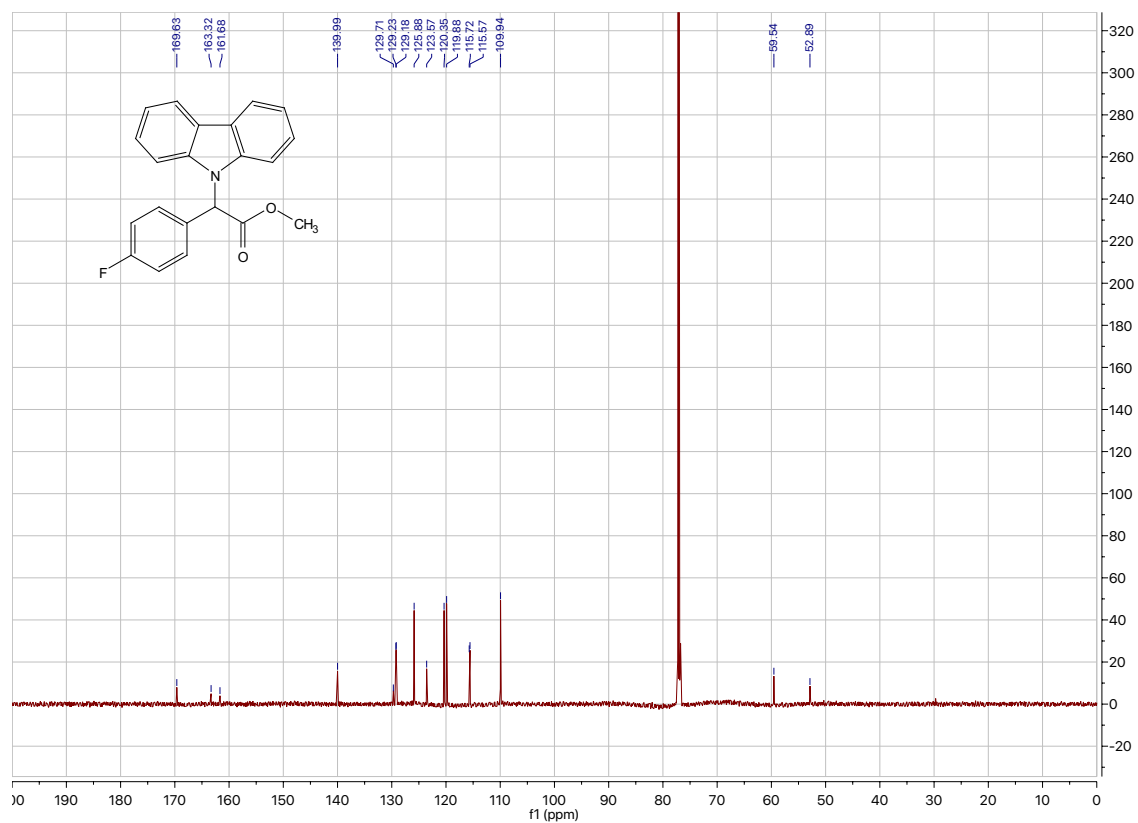


Methyl 2-(9*H*-carbazol-9-yl)-2-(4-fluorophenyl)acetate (**6ab**)

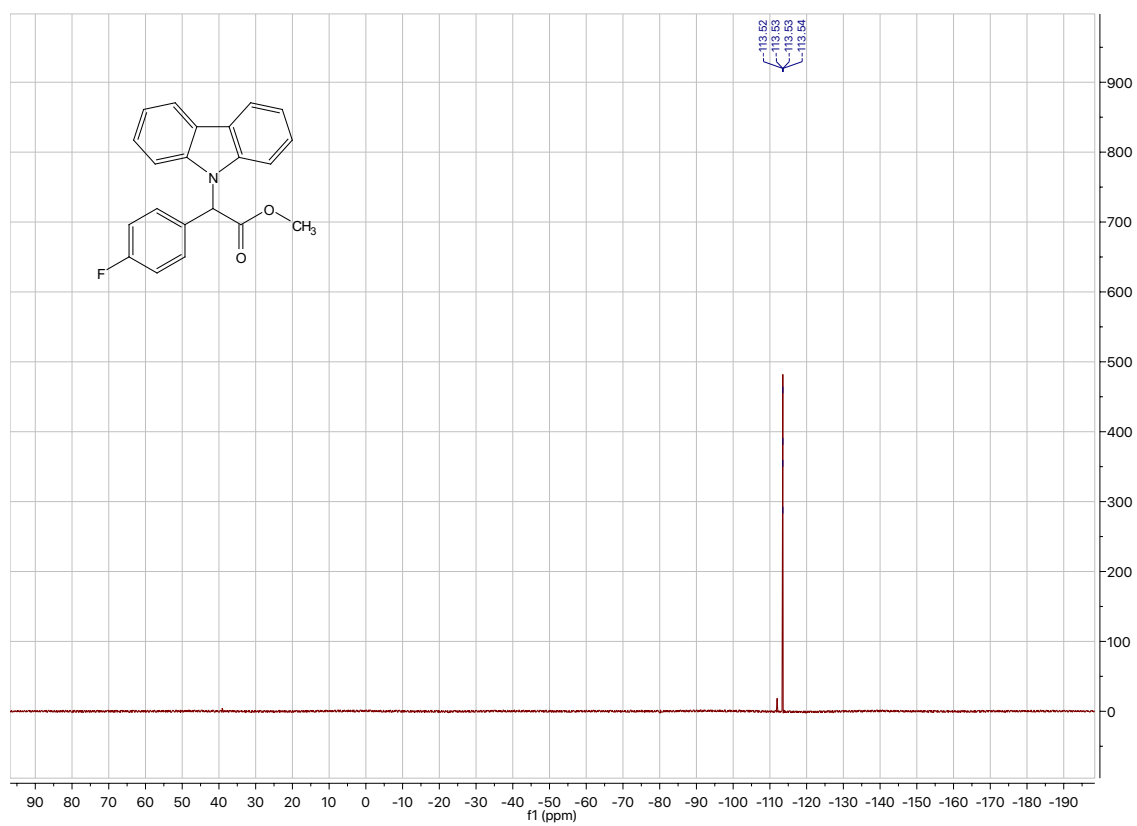
¹H NMR (600 MHz, Chloroform-*d*)



¹³C NMR (151 MHz, Chloroform-*d*)

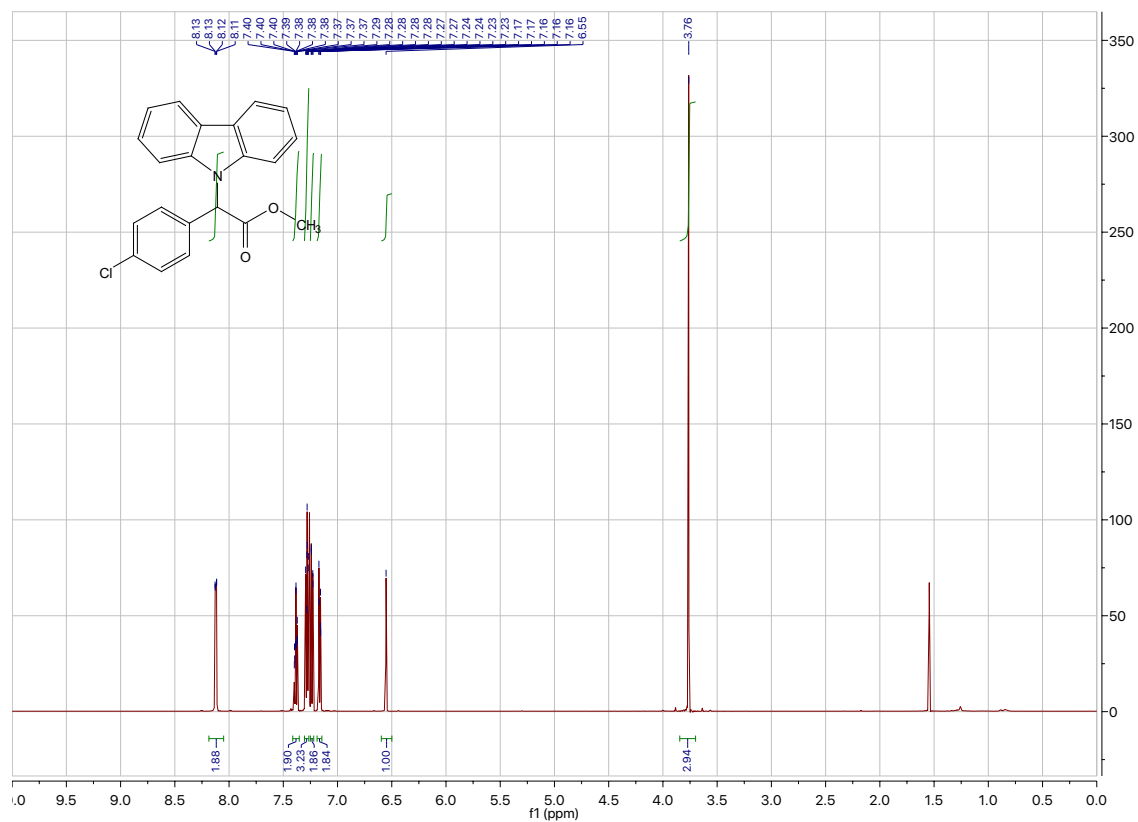


¹⁹F NMR (564 MHz, Chloroform-*d*)

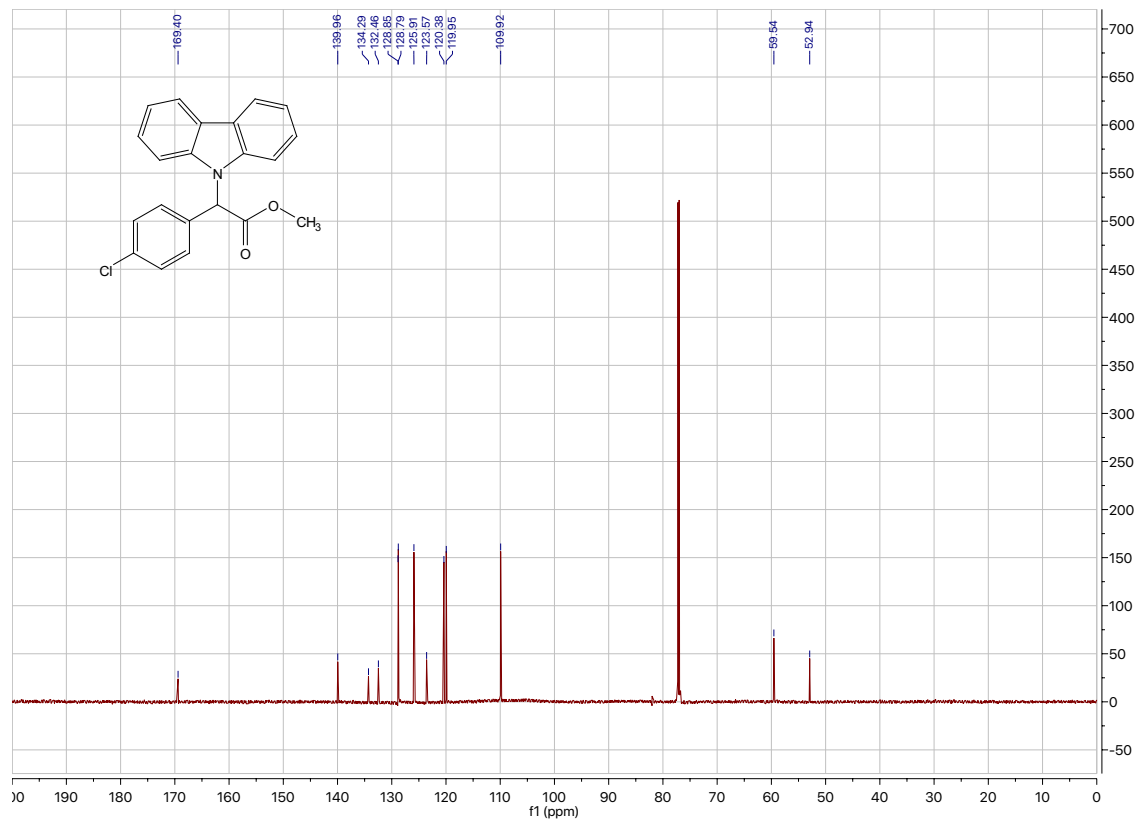


Methyl 2-(9*H*-carbazol-9-yl)-2-(4-chlorophenyl)acetate (**6ac**)

¹H NMR (600 MHz, Chloroform-*d*)

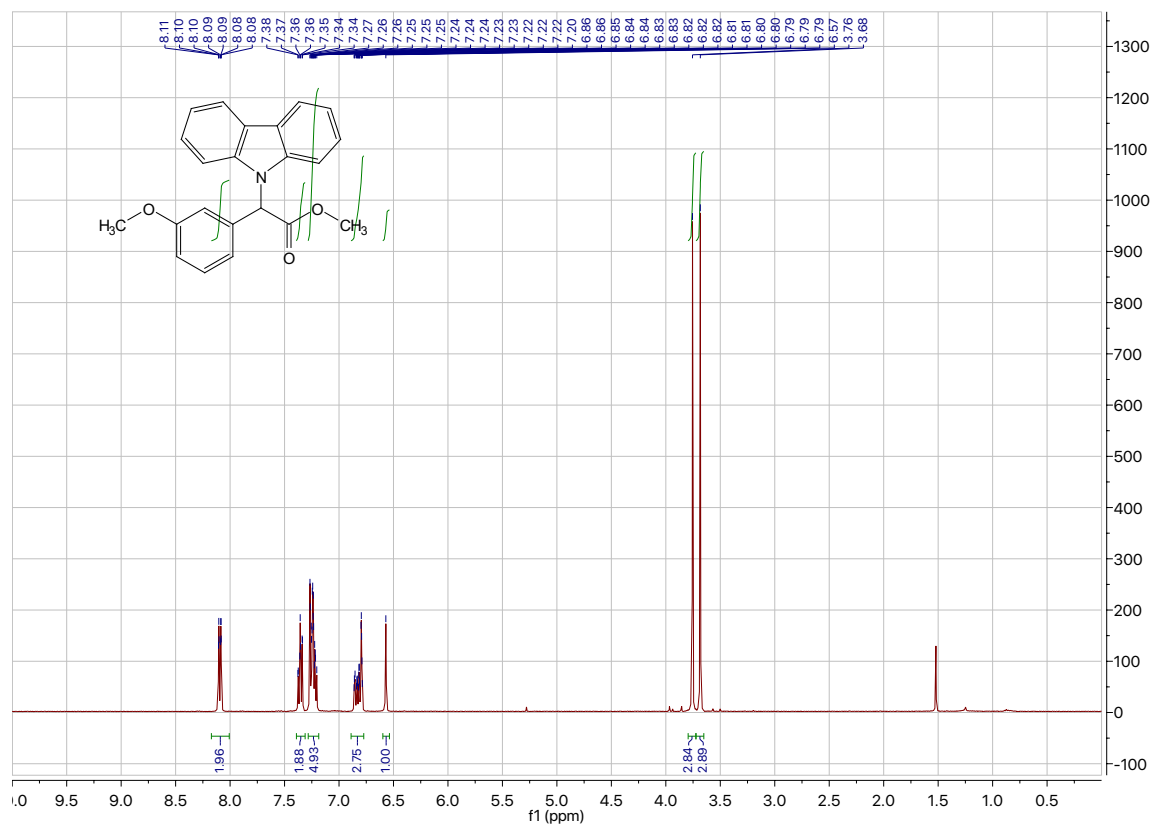


¹³C NMR (151 MHz, Chloroform-*d*)

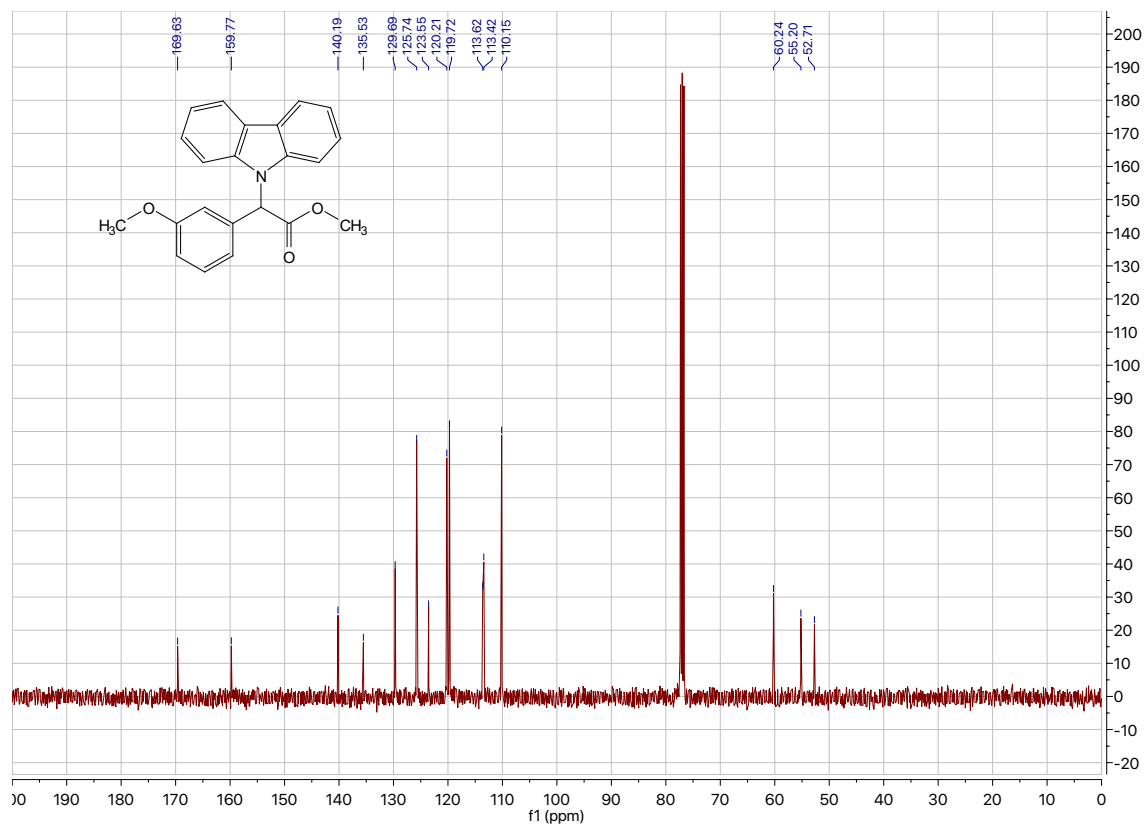


Methyl 2-(9*H*-carbazol-9-yl)-2-(3-methoxyphenyl)acetate (**6ad**)

¹H NMR (400 MHz, Chloroform-*d*)

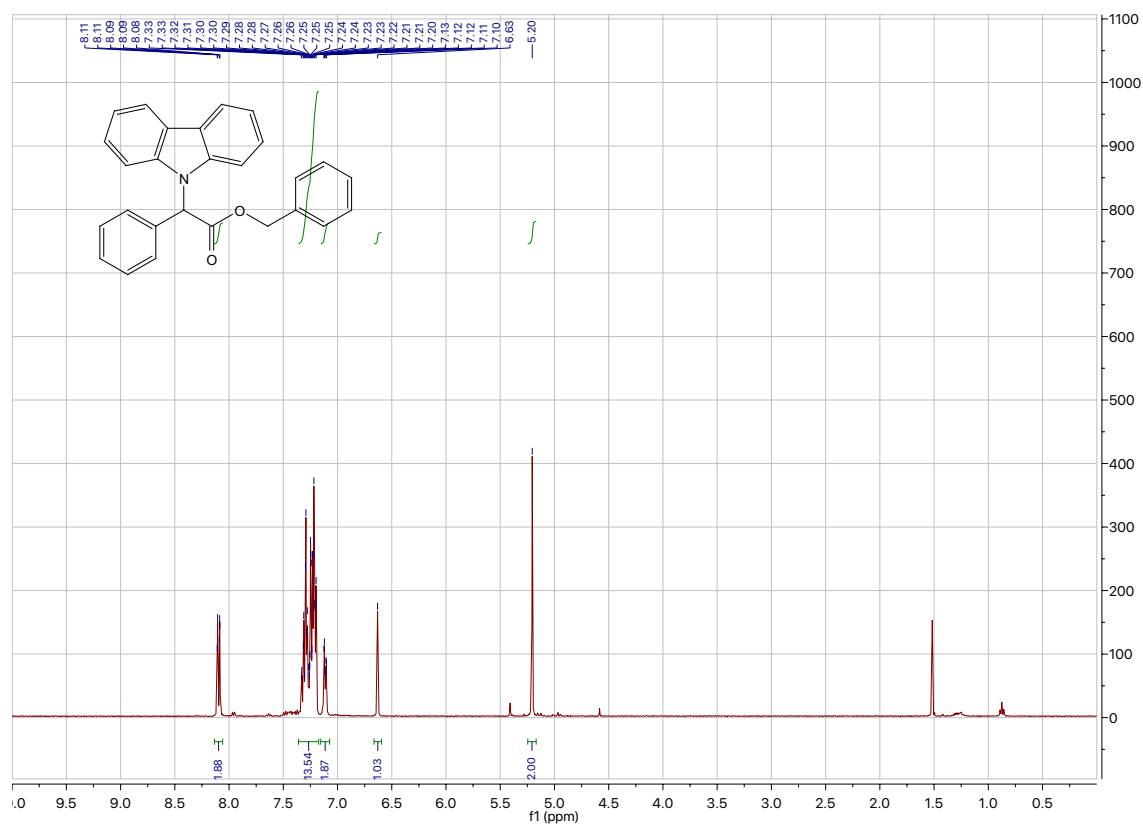


¹³C NMR (101 MHz, Chloroform-*d*)

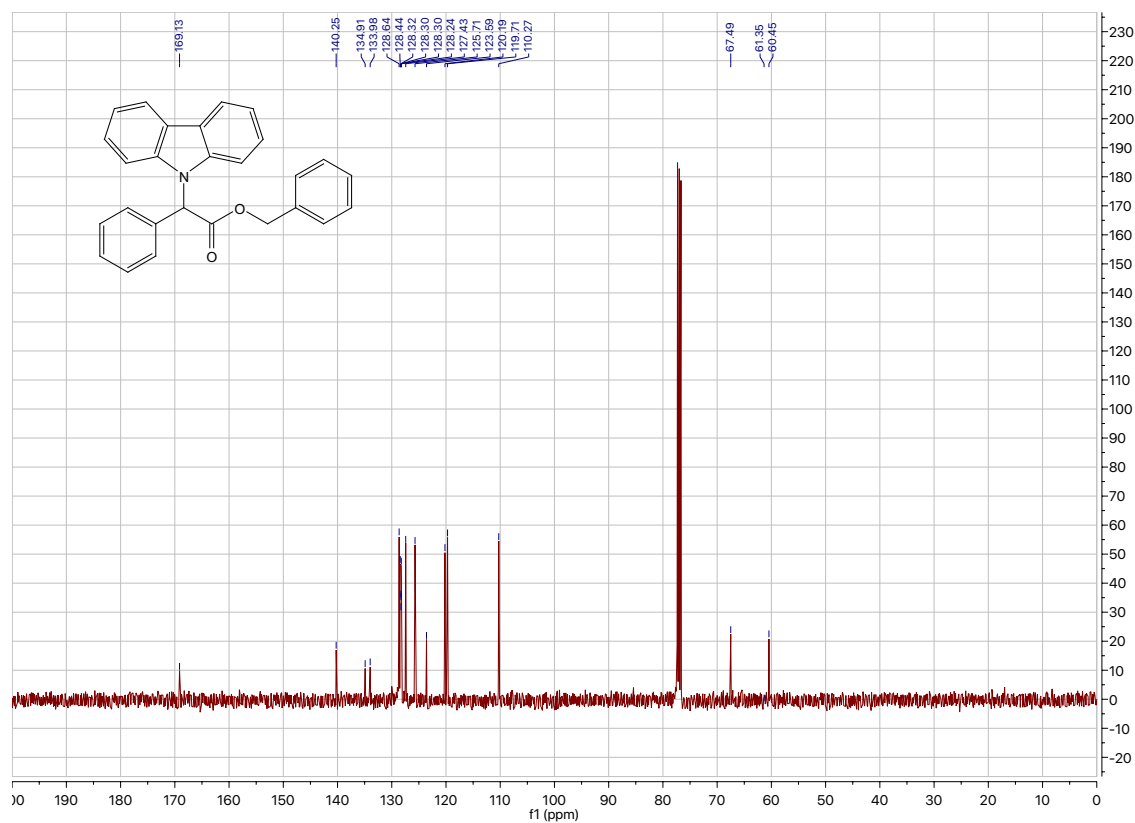


Benzyl 2-(9H-carbazol-9-yl)-2-phenylacetate (**6af**)

¹H NMR (400 MHz, Chloroform-*d*)

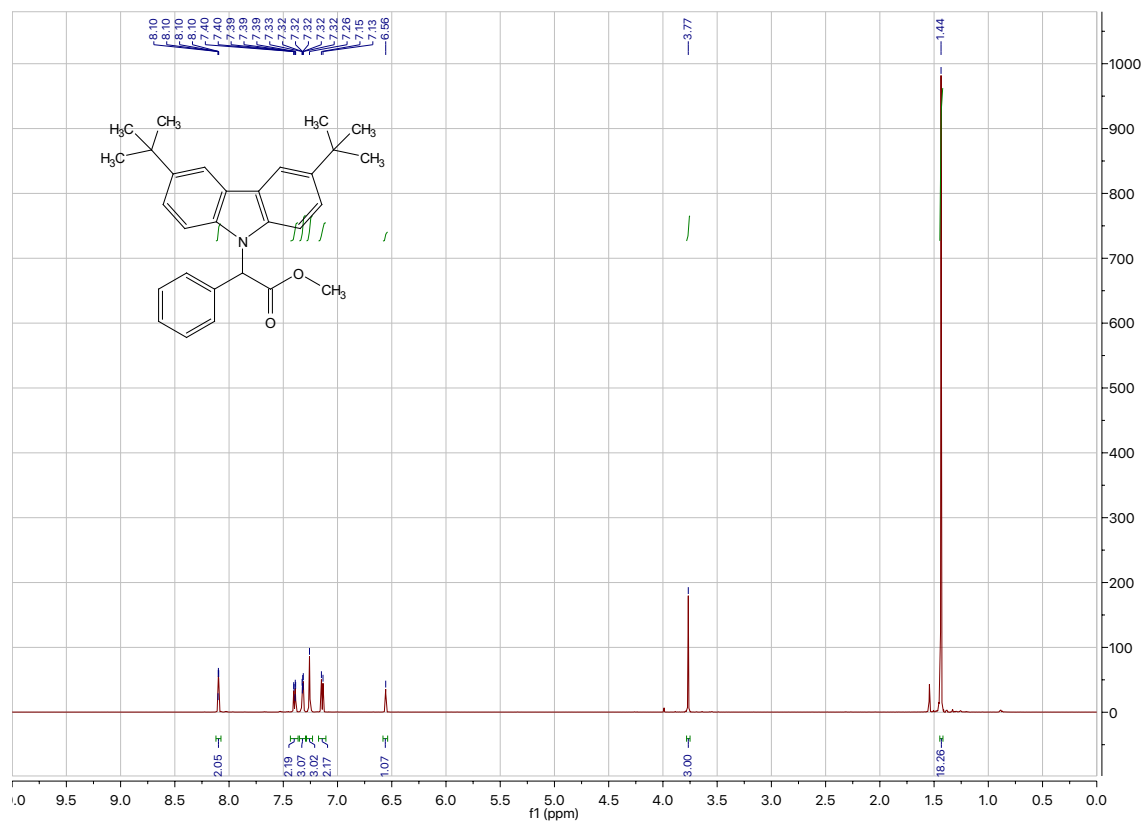


¹³C NMR (101 MHz, Chloroform-*d*)

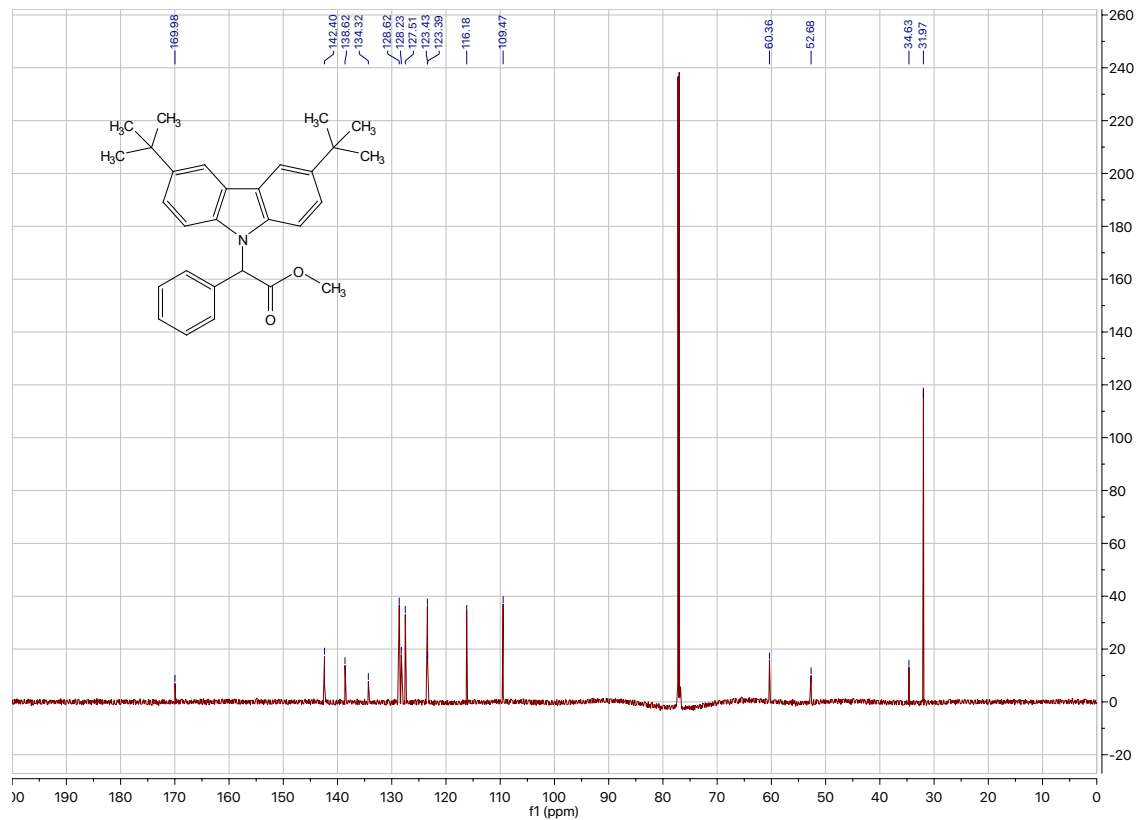


Methyl 2-(3,6-di-*tert*-butyl-9*H*-carbazol-9-yl)-2-phenylacetate (**6ca**)

^1H NMR (600 MHz, Chloroform-*d*)

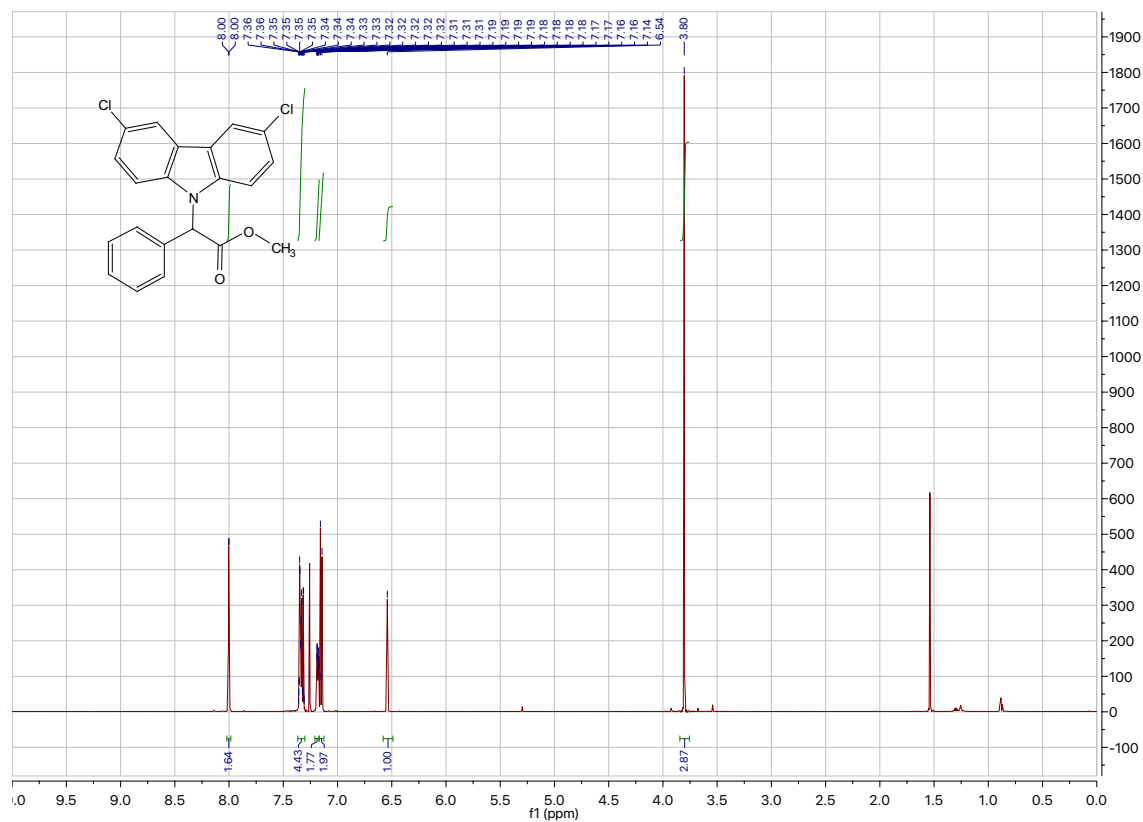


^{13}C NMR (151 MHz, Chloroform-*d*)

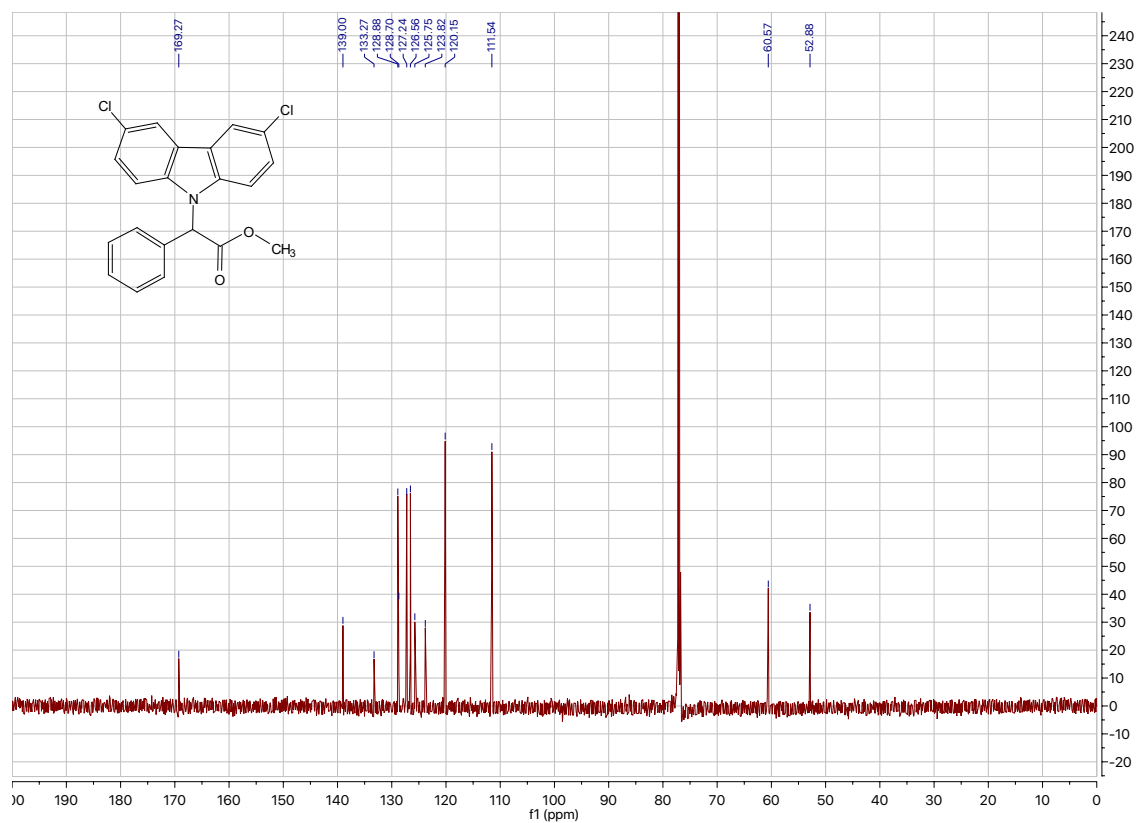


Methyl 2-(3,6-dichloro-9H-carbazol-9-yl)-2-phenylacetate (**6da**)

^1H NMR (600 MHz, Chloroform-*d*)

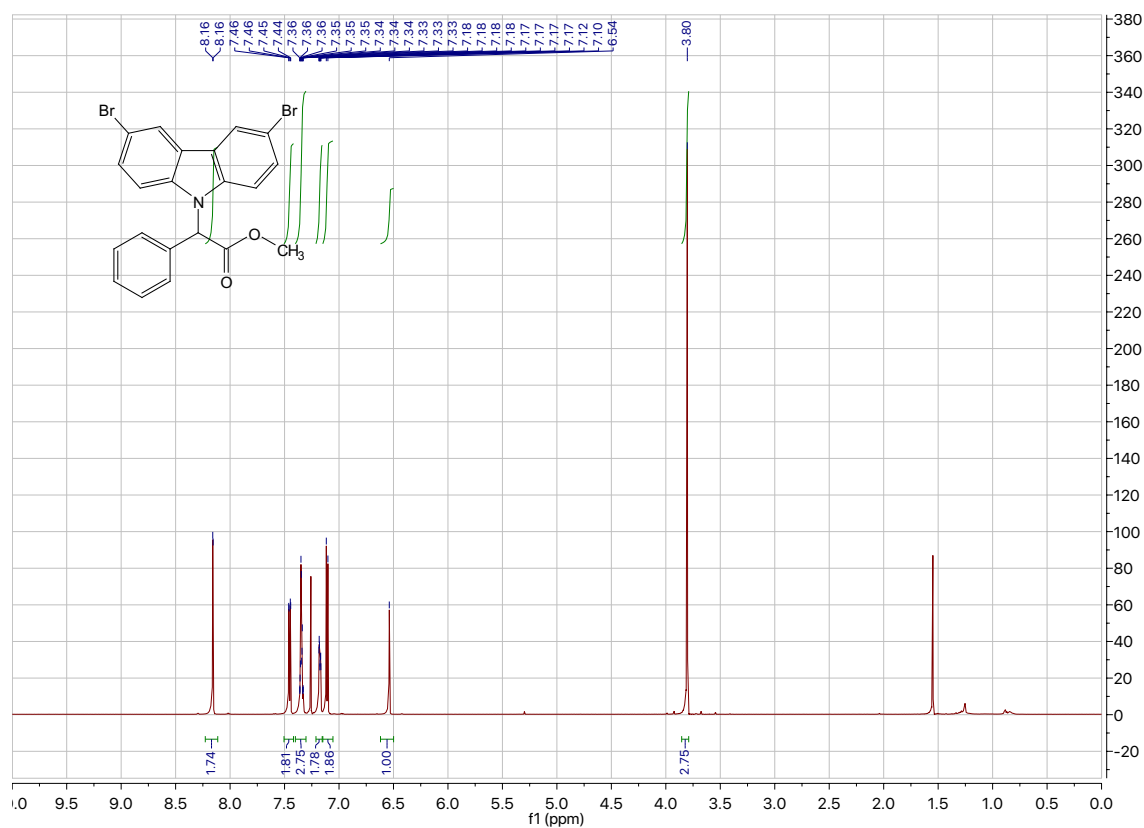


^{13}C NMR (151 MHz, Chloroform-*d*)

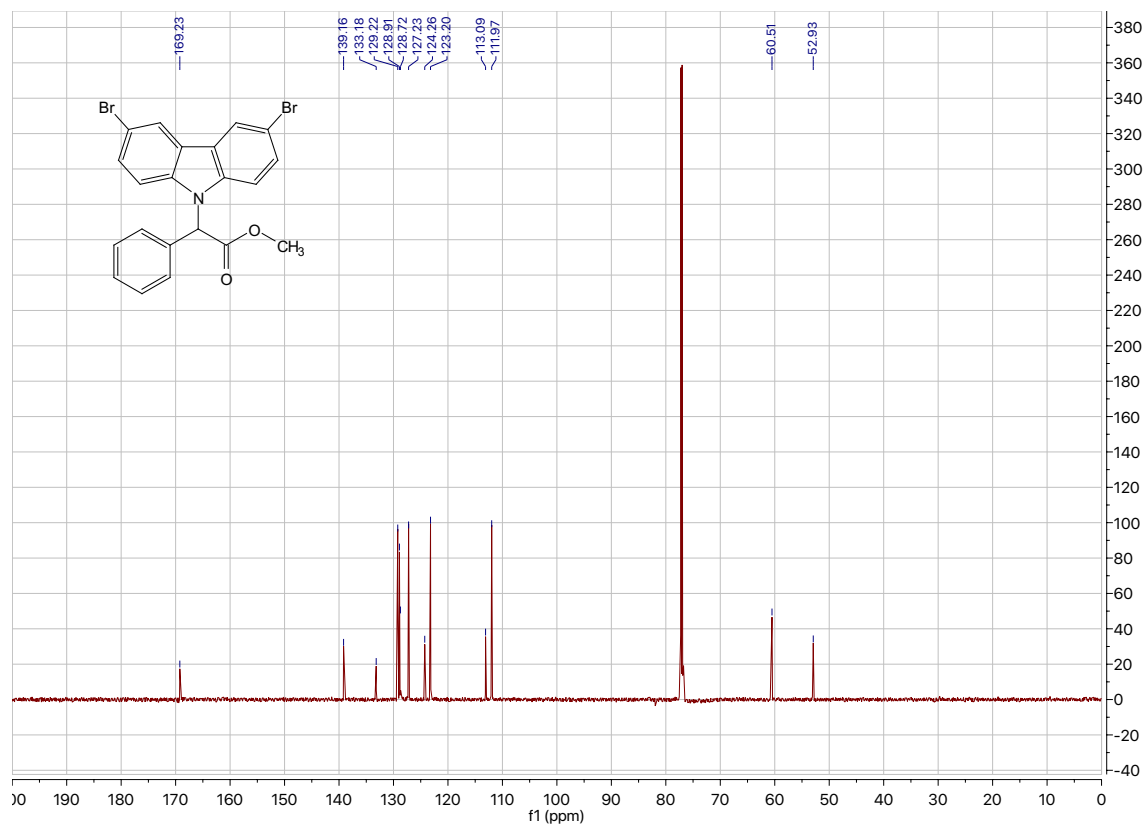


Methyl 2-(3,6-dibromo-9*H*-carbazol-9-yl)-2-phenylacetate (**6ea**)

¹H NMR (600 MHz, Chloroform-*d*)

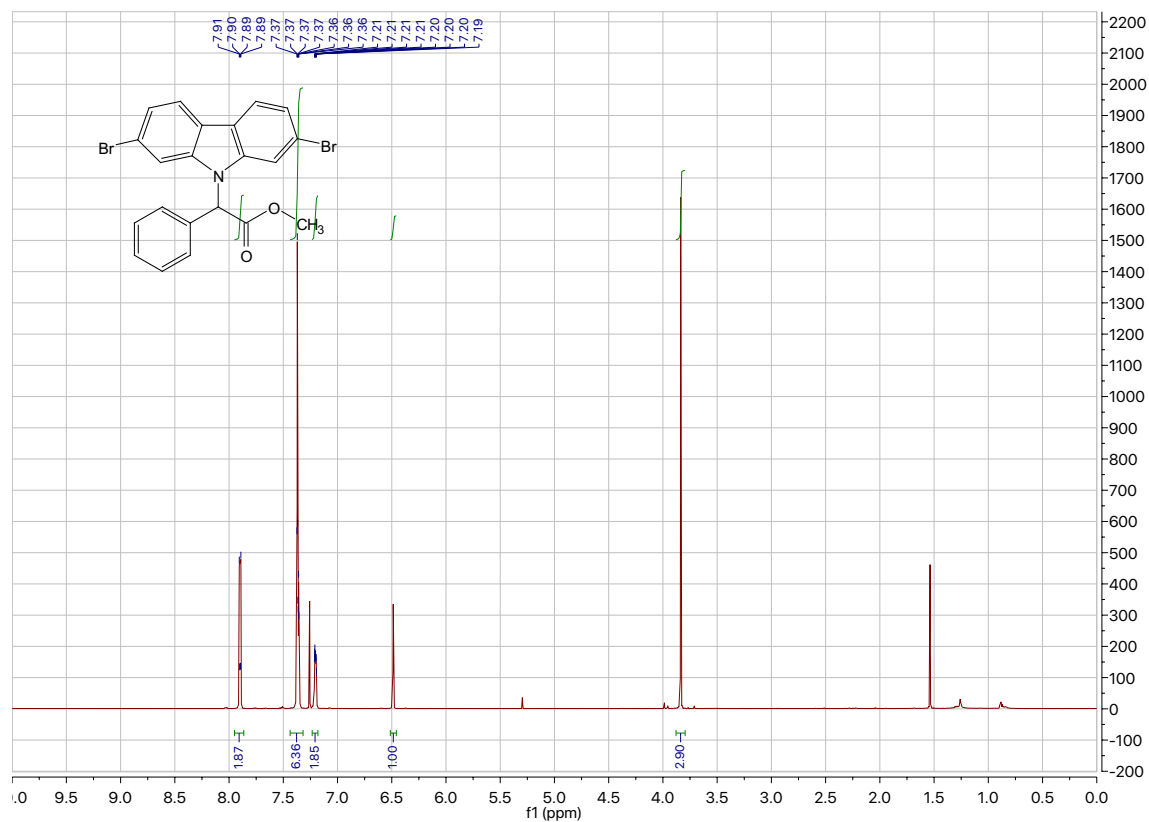


¹³C NMR (151 MHz, Chloroform-*d*)

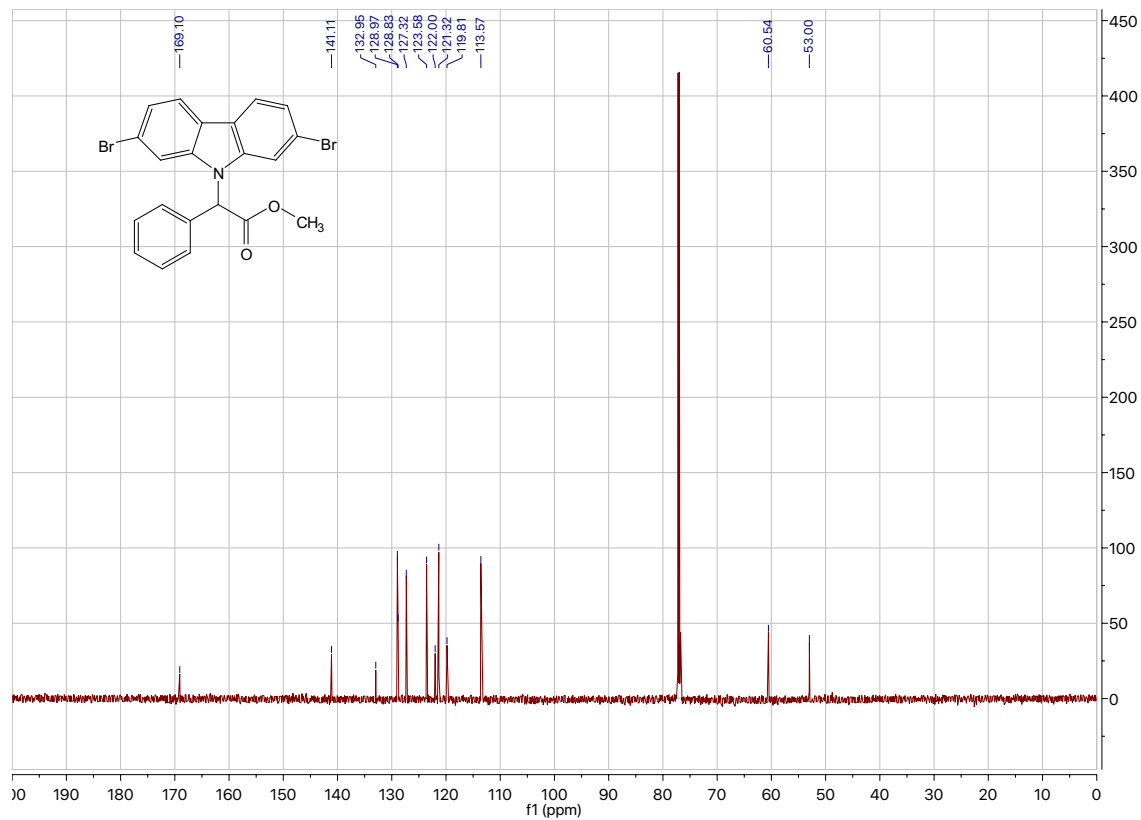


Methyl 2-(2,7-dibromo-9*H*-carbazol-9-yl)-2-phenylacetate (**6fa**)

^1H NMR (600 MHz, Chloroform-*d*)

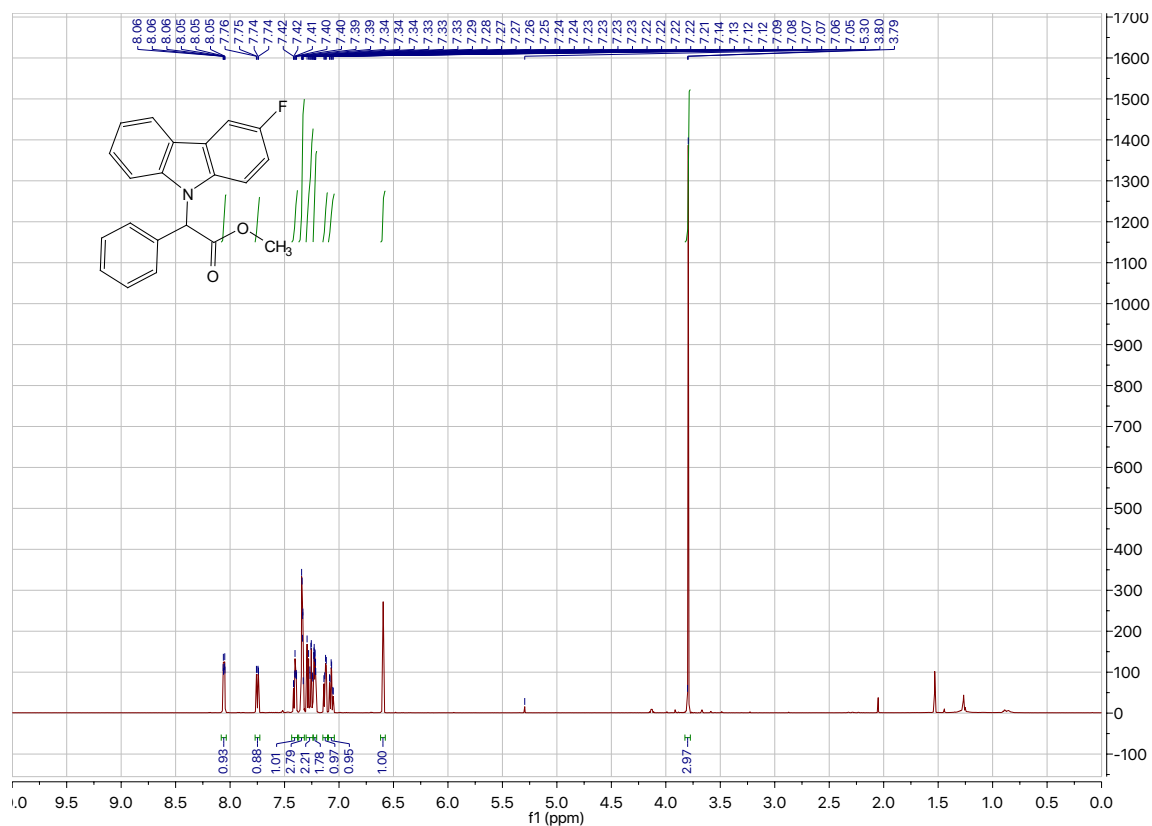


^{13}C NMR (151 MHz, Chloroform-*d*)

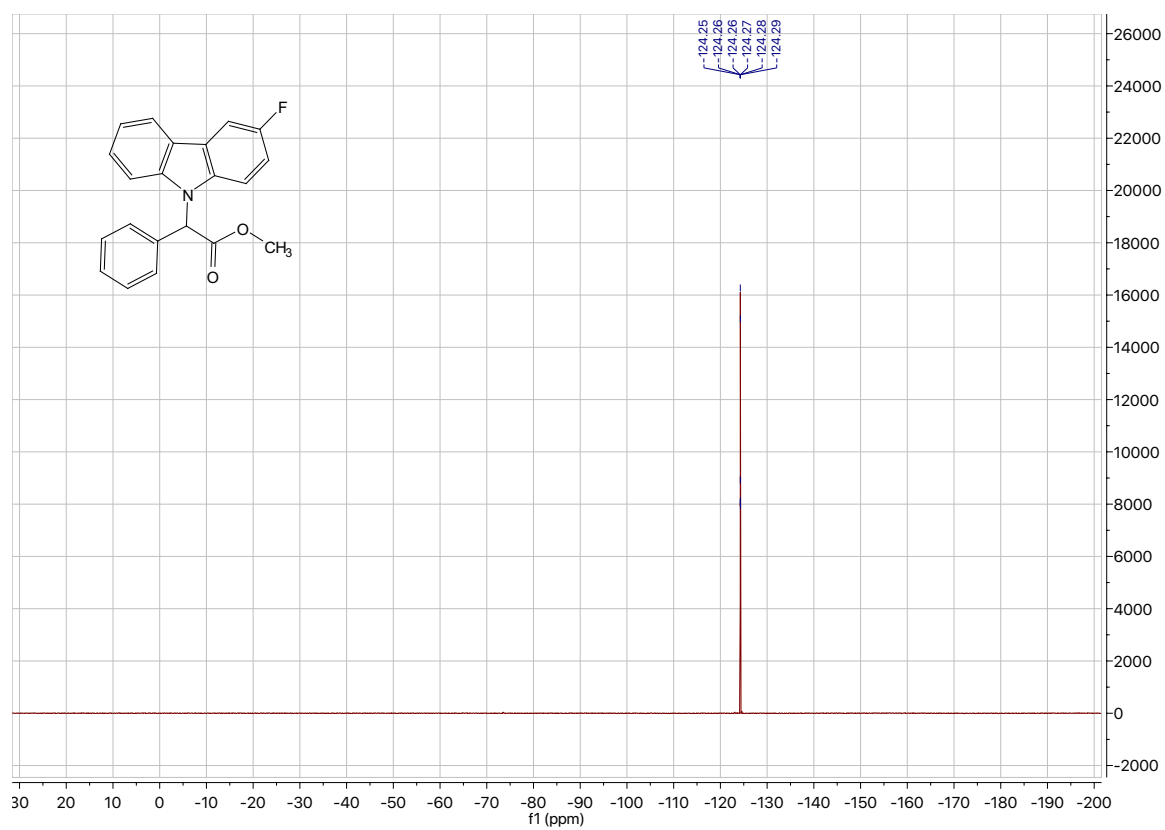


Methyl 2-(3-fluoro-9*H*-carbazol-9-yl)-2-phenylacetate (**6ha**)

^1H NMR (600 MHz, Chloroform-*d*):

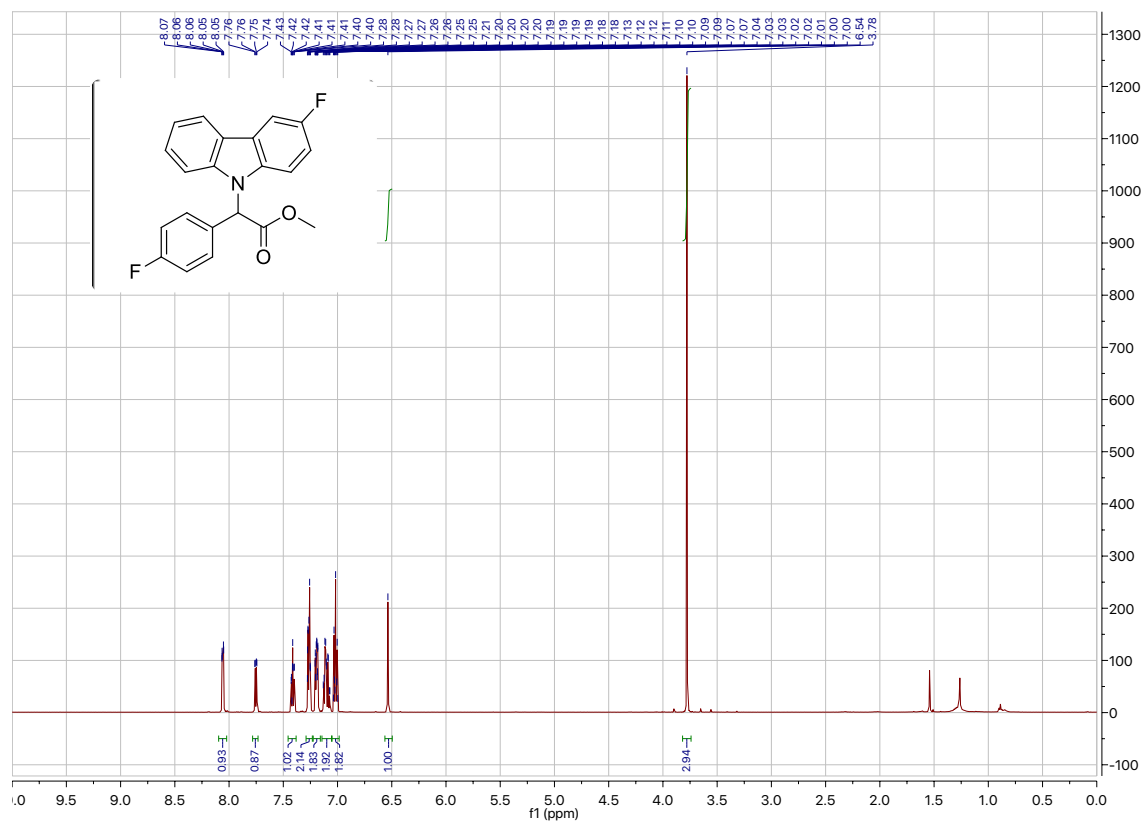


¹⁹F NMR (564 MHz, Chloroform-*d*)

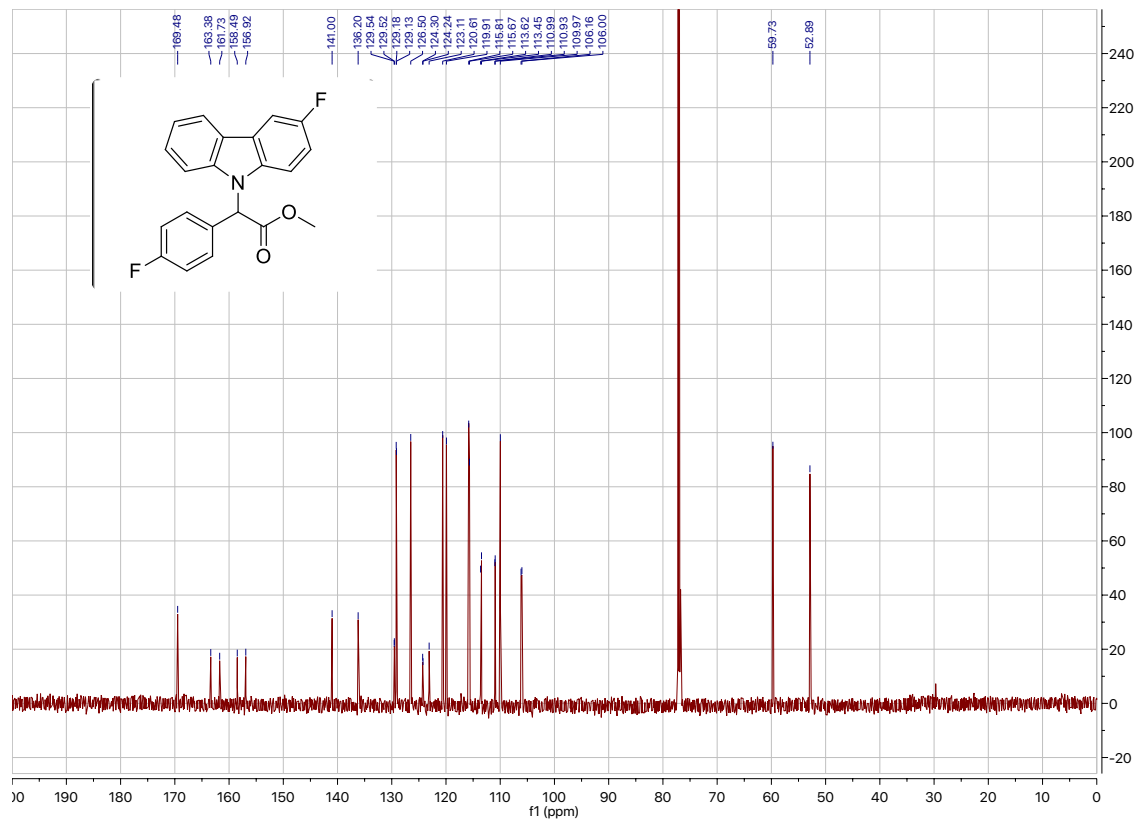


Methyl 2-(3-fluoro-9H-carbazol-9-yl)-2-(4-fluorophenyl)acetate (6hb)

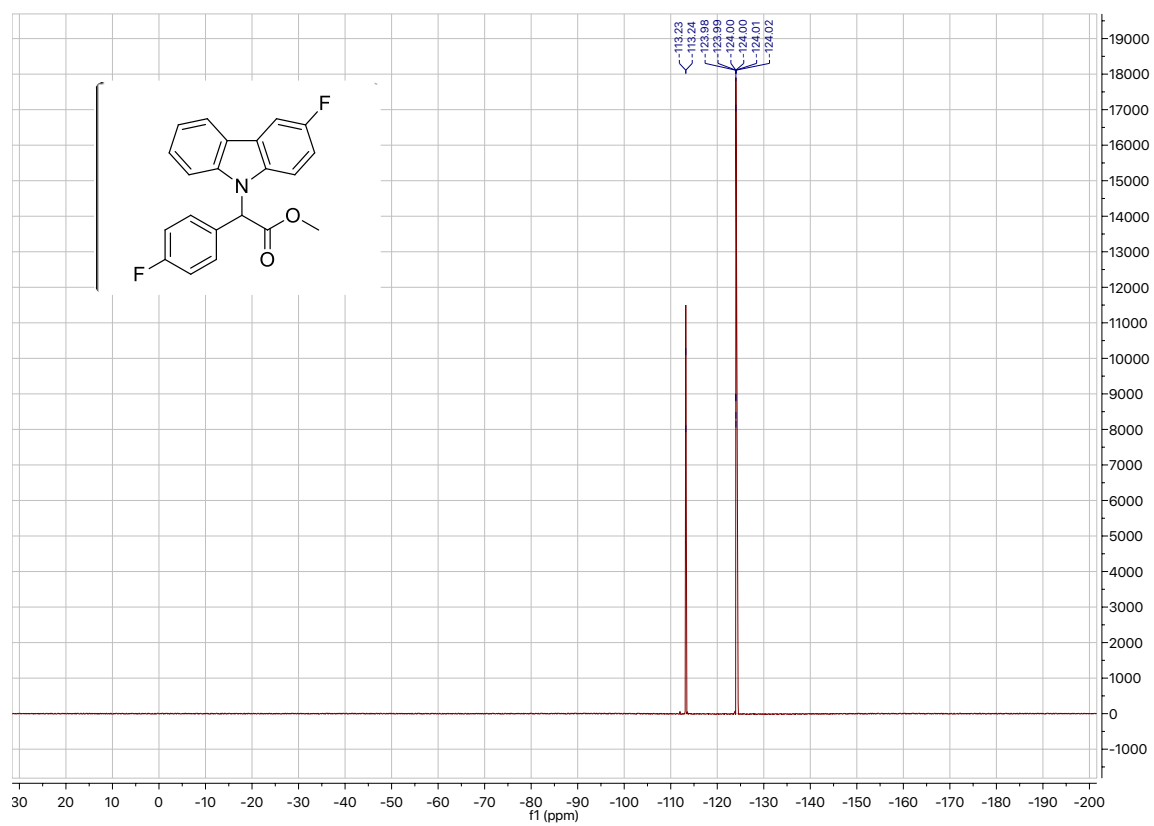
¹H NMR (600 MHz, Chloroform-*d*)



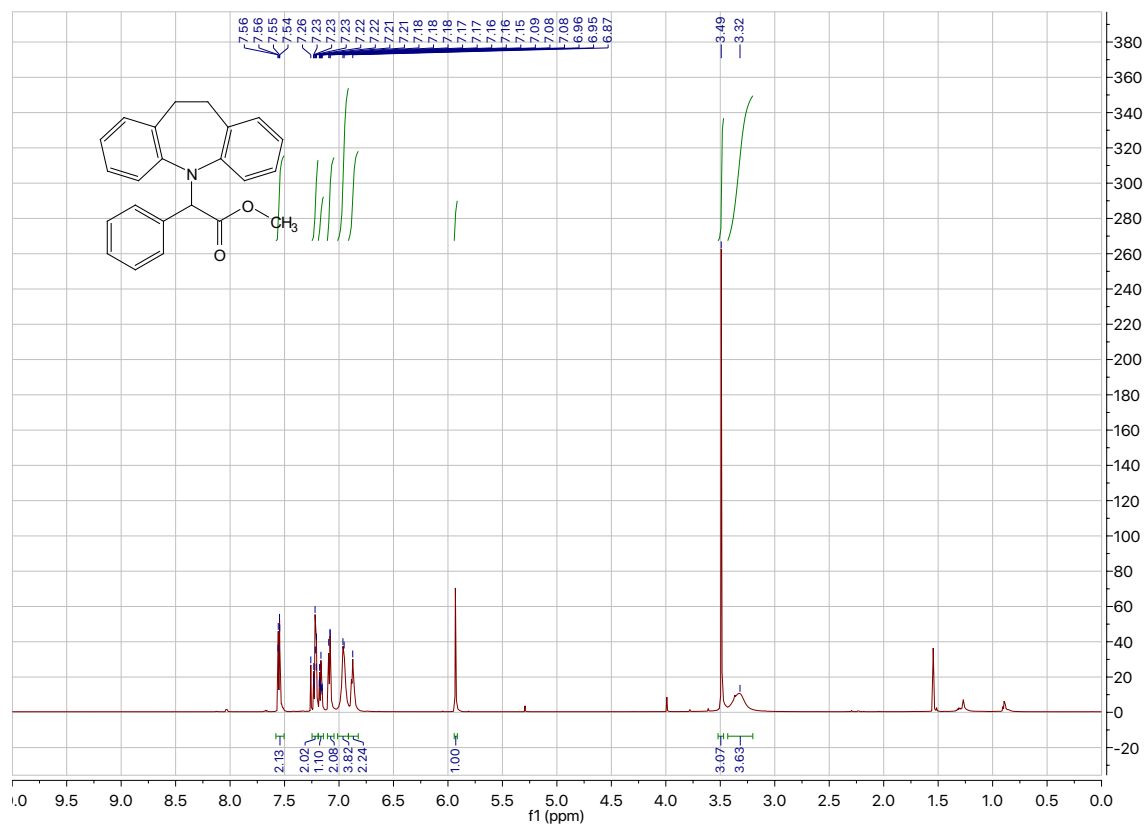
¹³C NMR (151 MHz, Chloroform-*d*)



¹⁹F NMR (564 MHz, Chloroform-*d*)



Methyl 2-(10,11-dihydro-5H-dibenzo[*b,f*]azepin-5-yl)-2-phenylacetate (7)
¹H NMR (600 MHz, Chloroform-*d*)



¹³C NMR (151 MHz, Chloroform-*d*)

