

Supporting Information

Palladium Mediated Domino Reaction: Synthesis of Isochromenes Under Aqueous Medium

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¹H & ¹³C-NMR Spectra all new compounds

S3-S30

Table S1: Substituted *ortho*-bromobenzyl alcohols **1a-1h**.

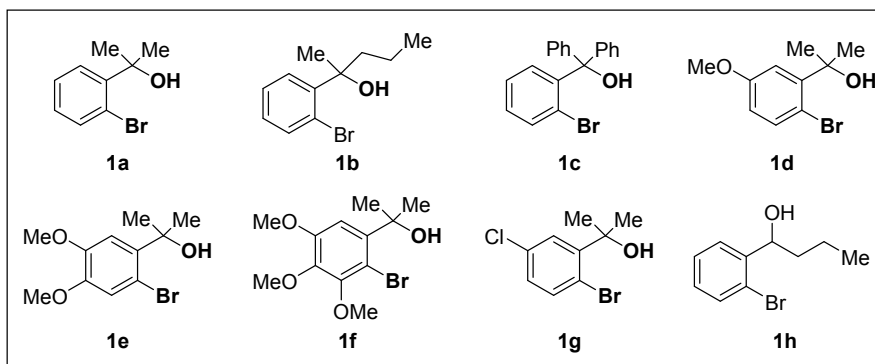
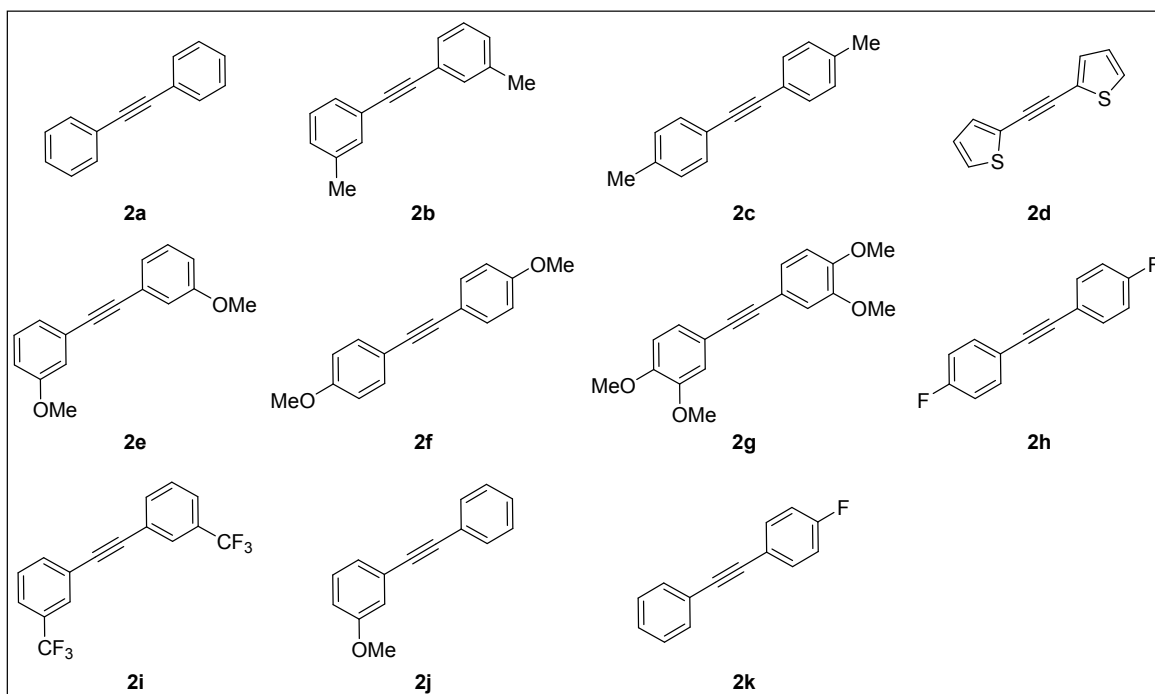
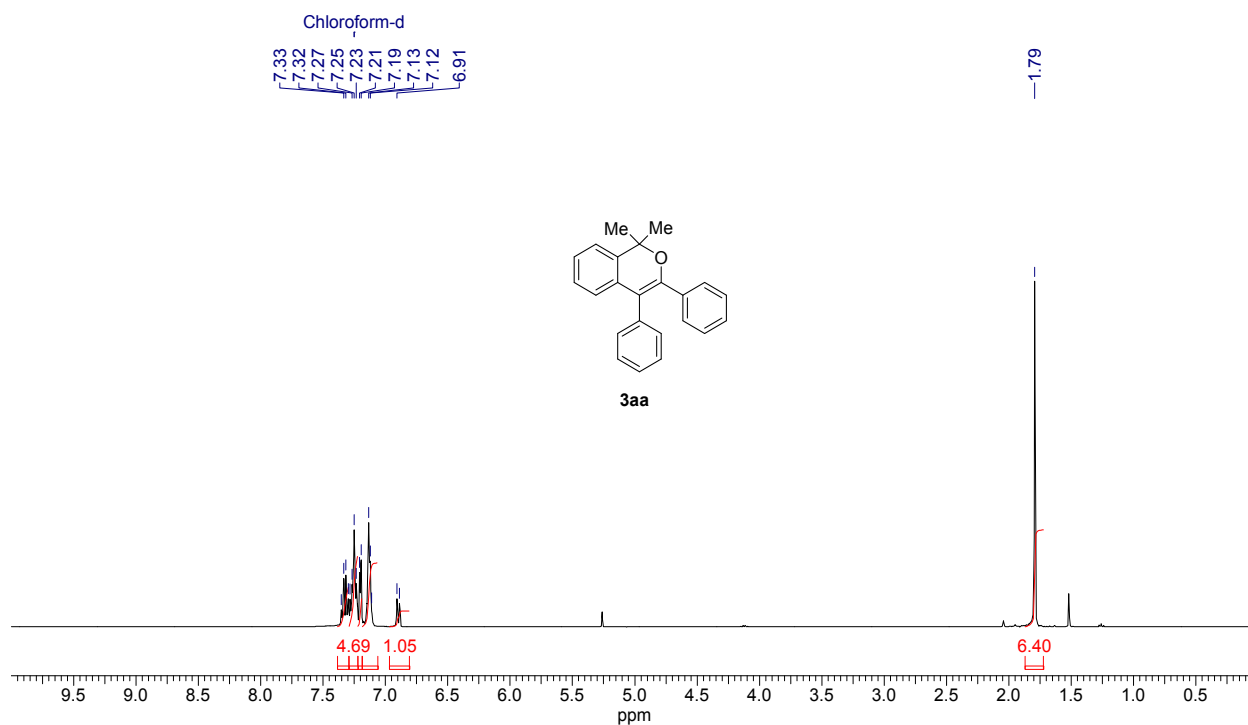
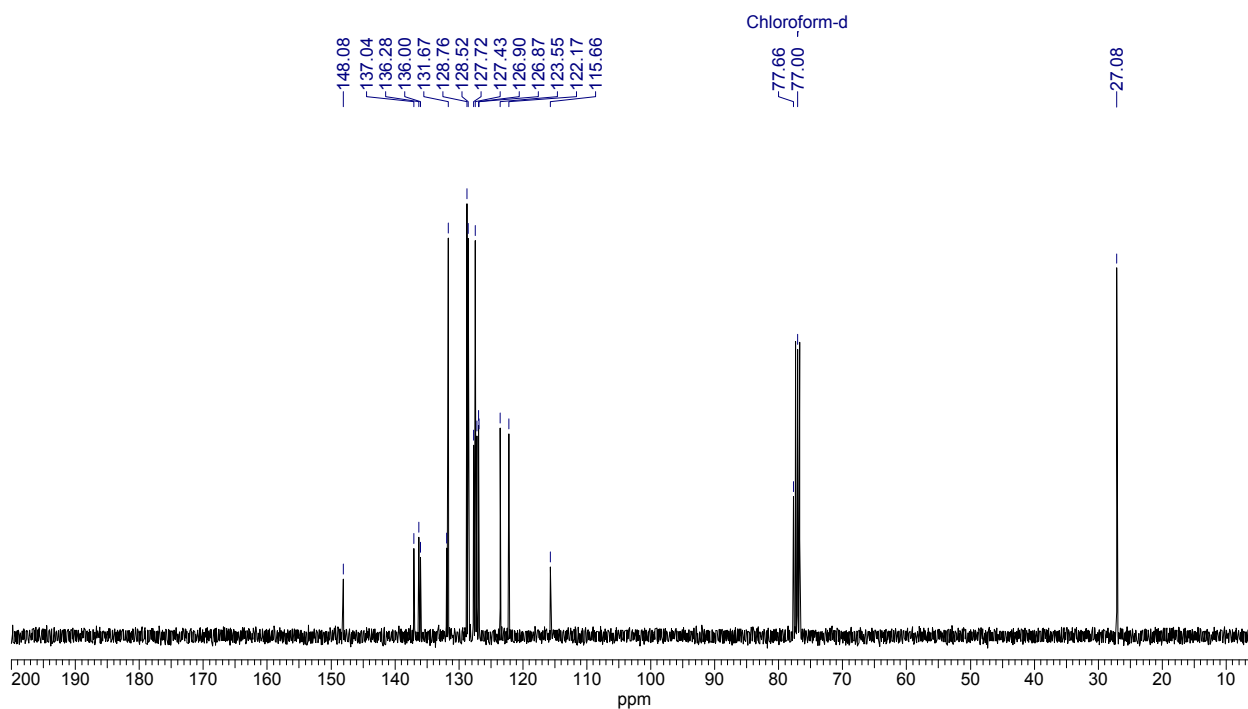


Table S2: Biaryl acetylenes **2a-2k**.

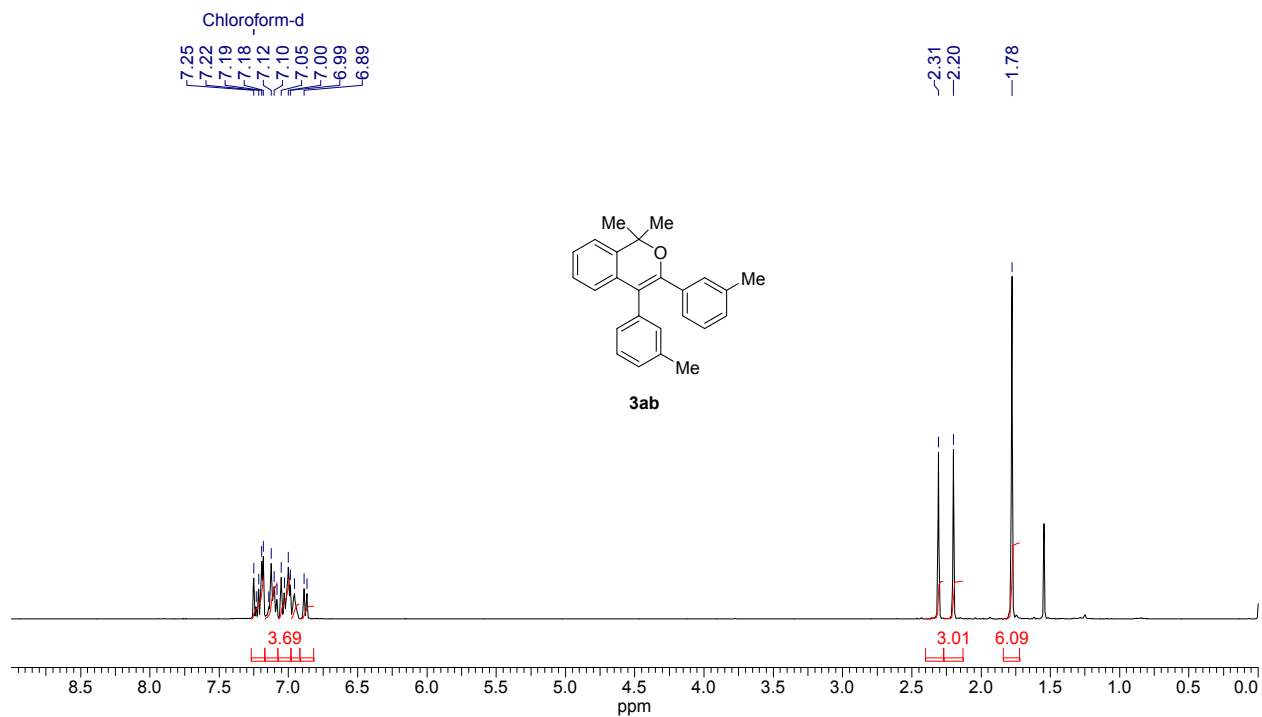




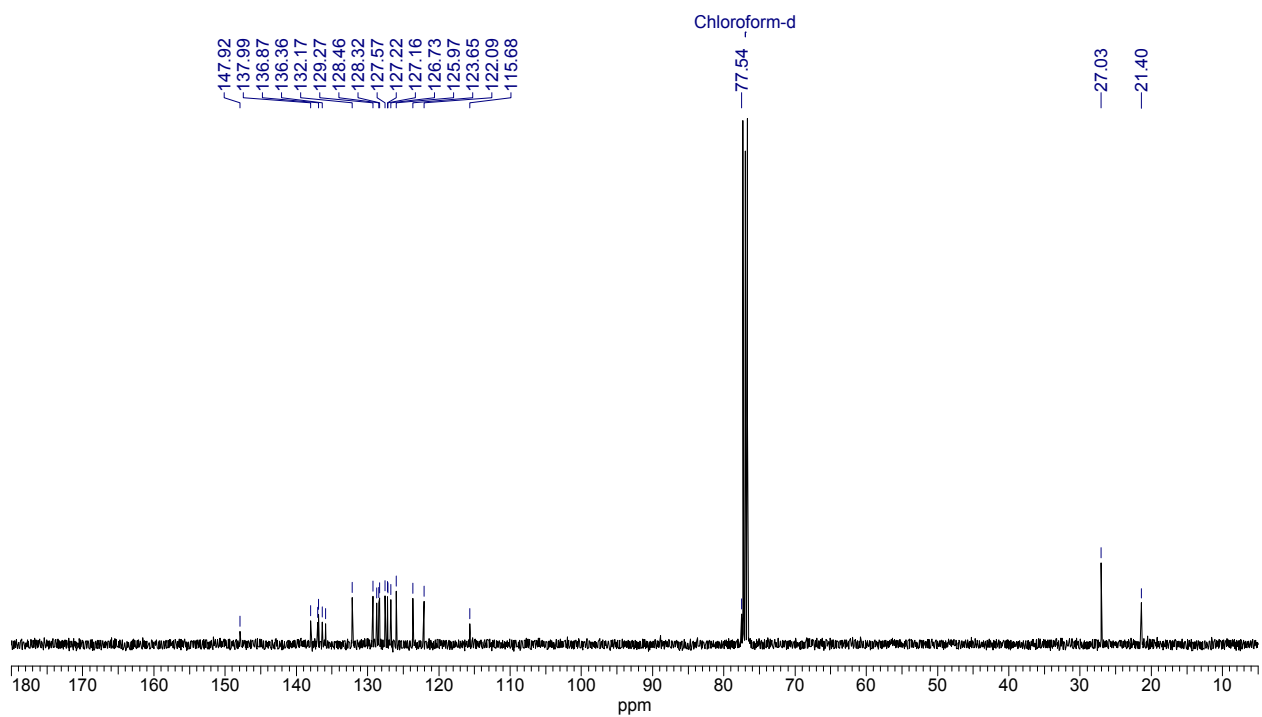
$^1\text{H-NMR}$ (400 MHz) spectrum of **3aa** in CDCl_3



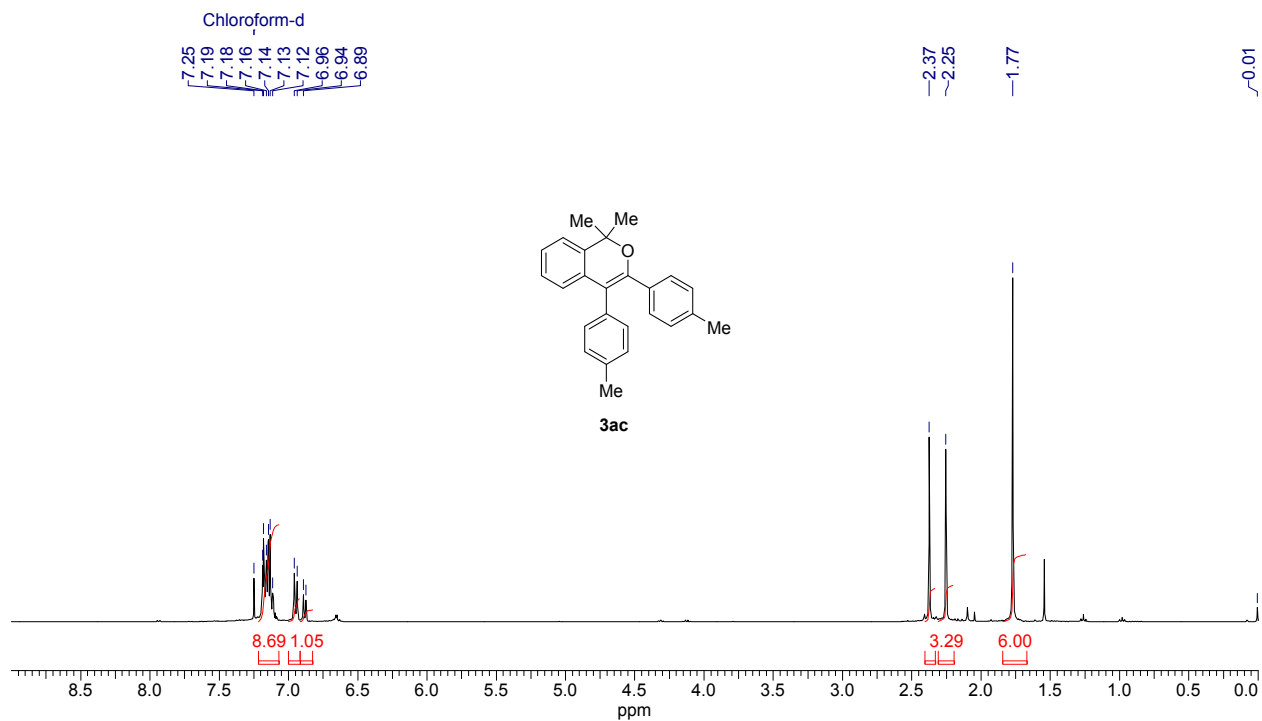
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3aa** in CDCl_3



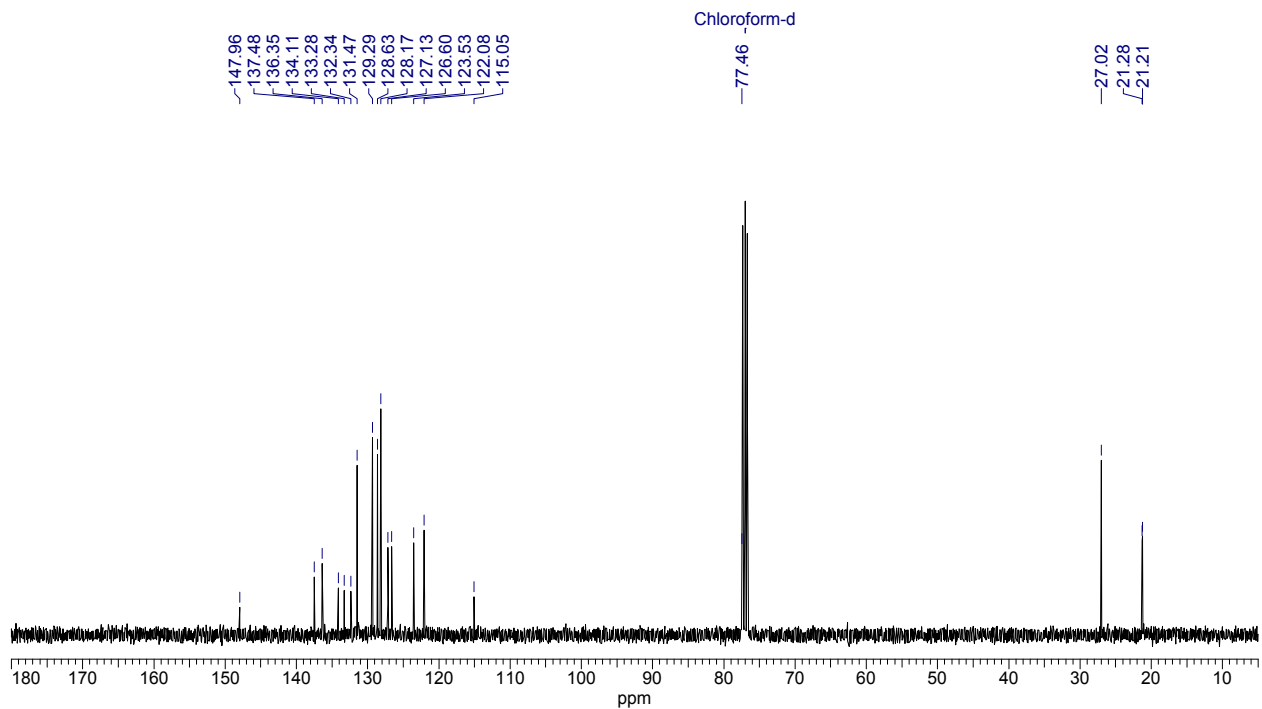
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ab** in CDCl_3



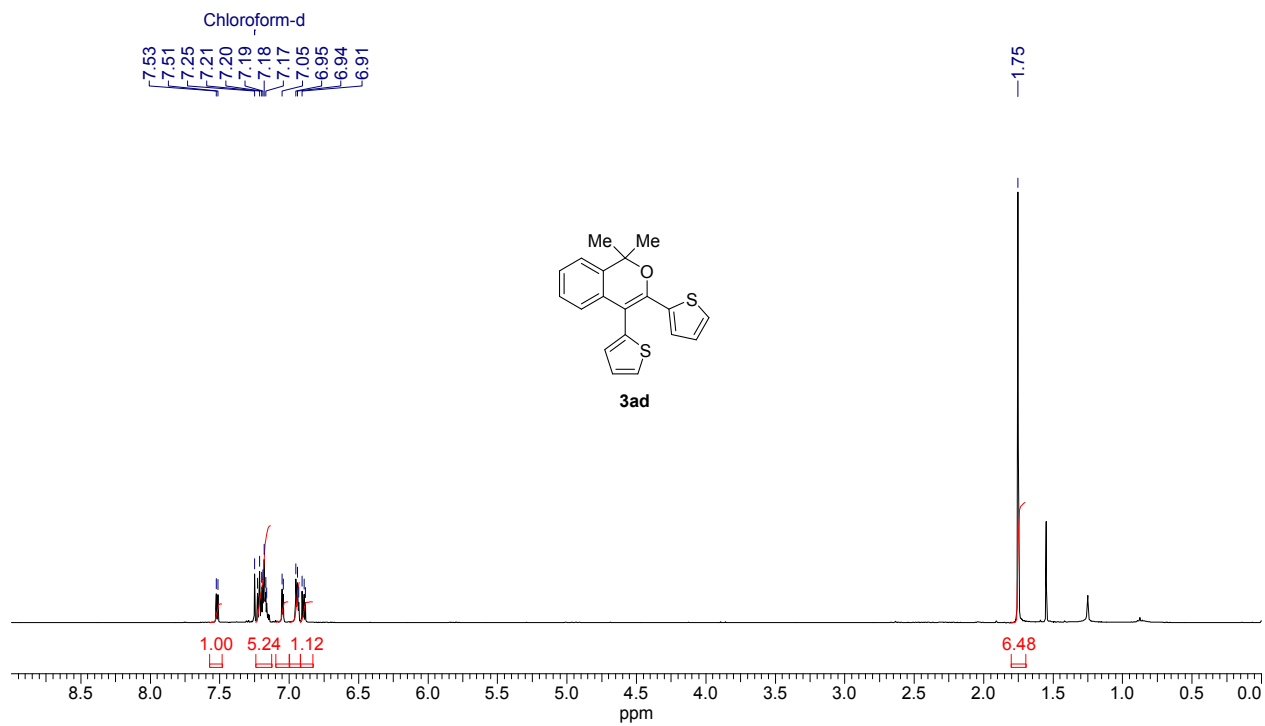
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ab** in CDCl_3



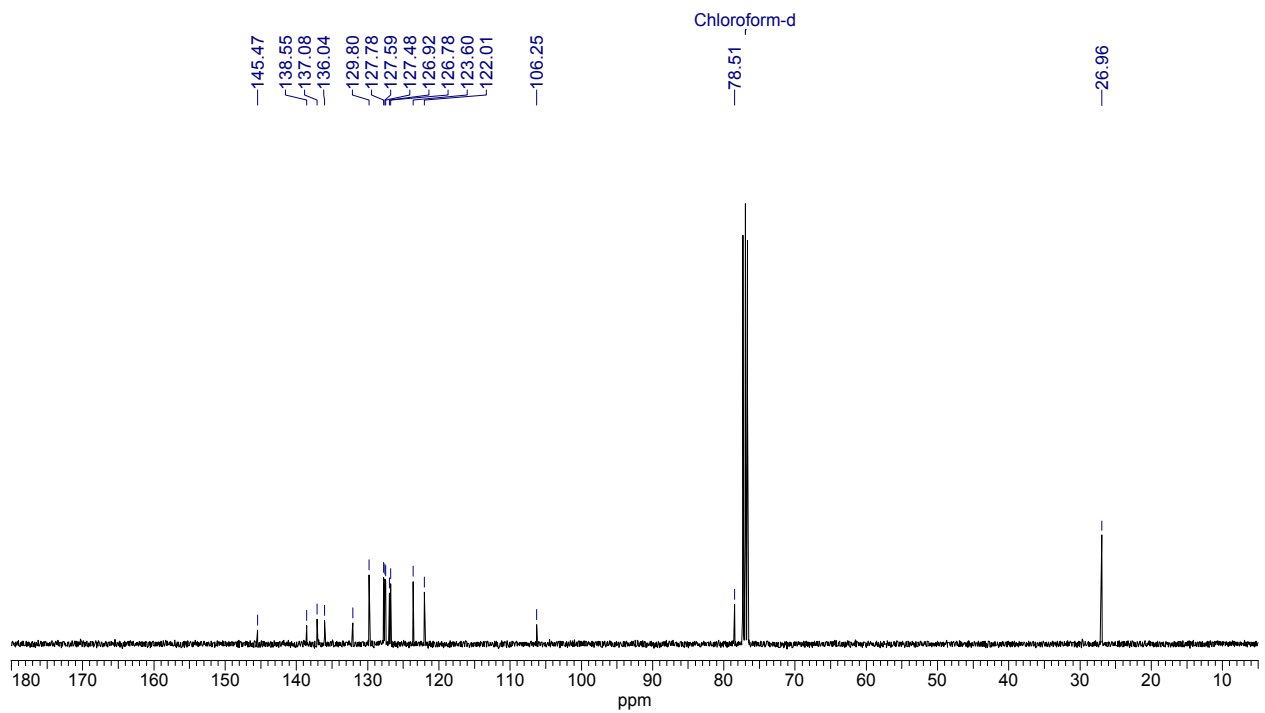
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ac** in CDCl_3



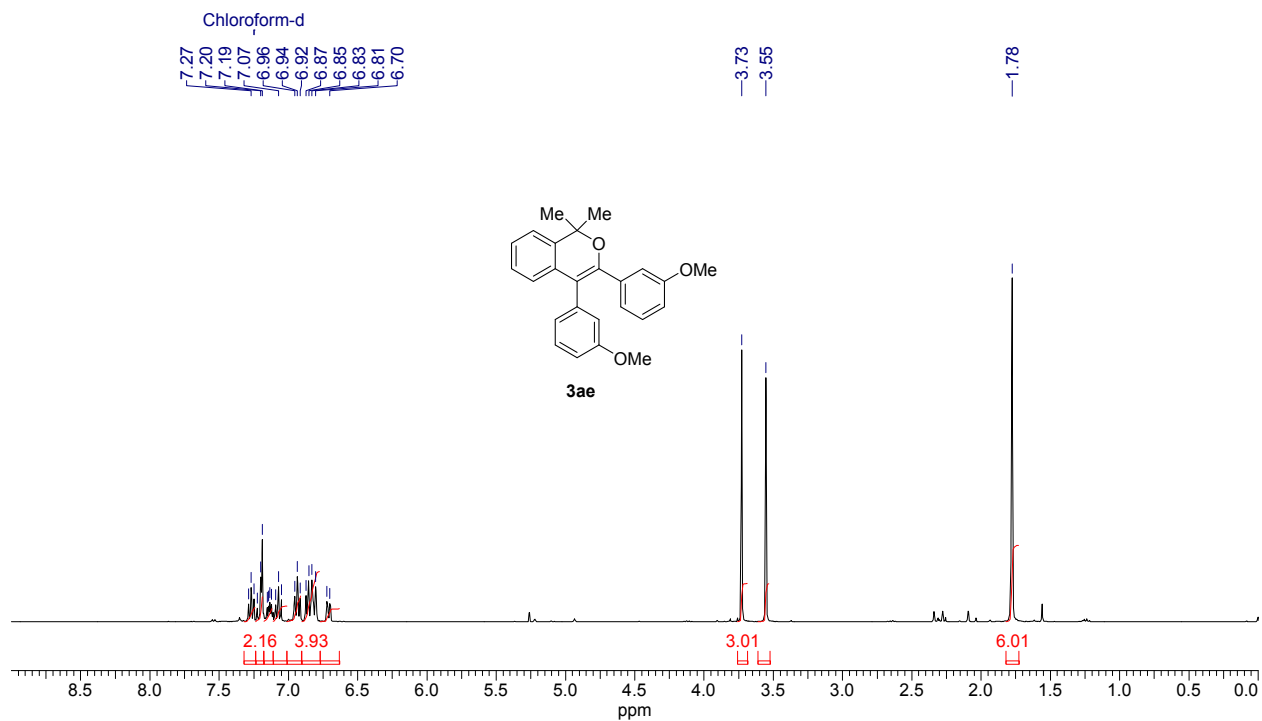
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ac** in CDCl_3



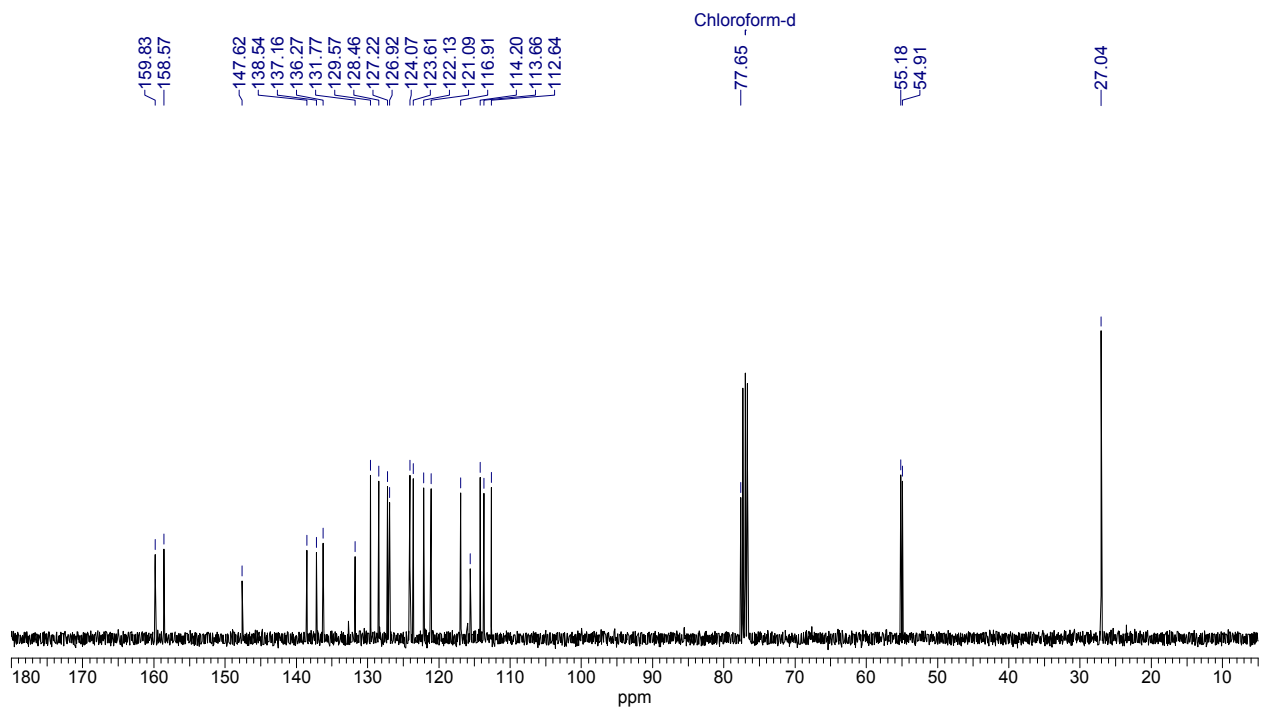
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ad** in CDCl_3



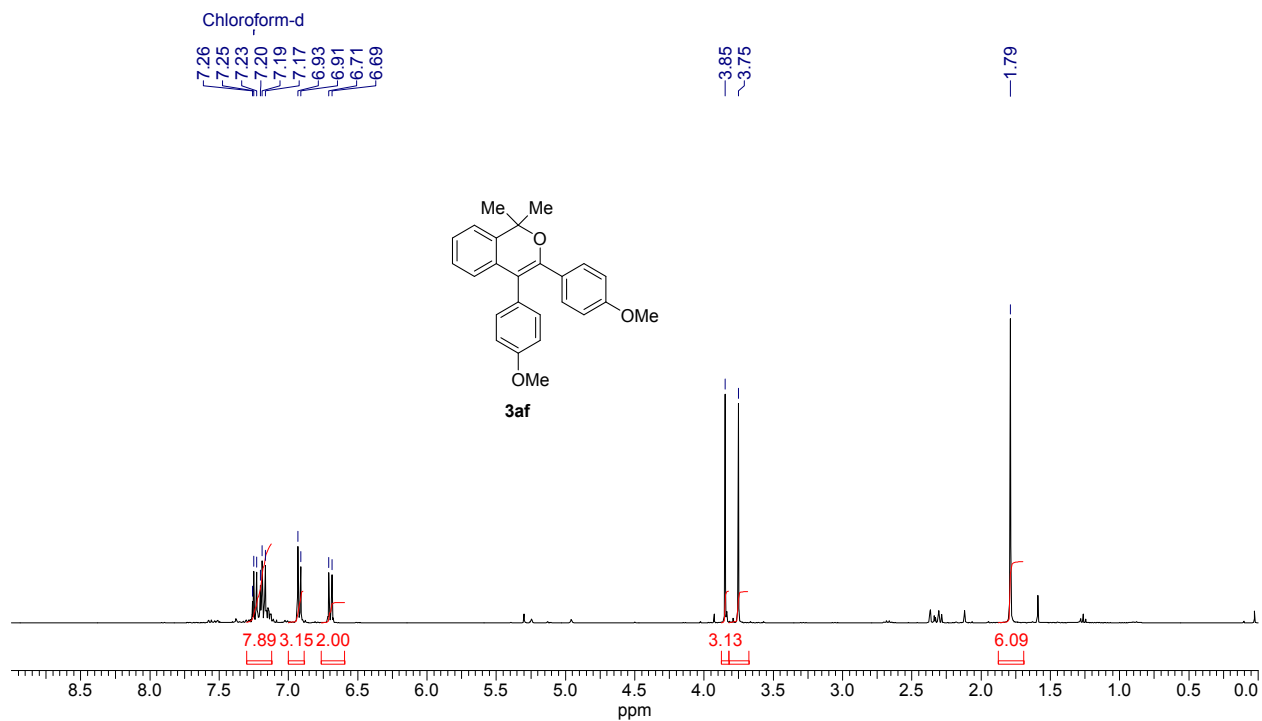
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ad** in CDCl_3



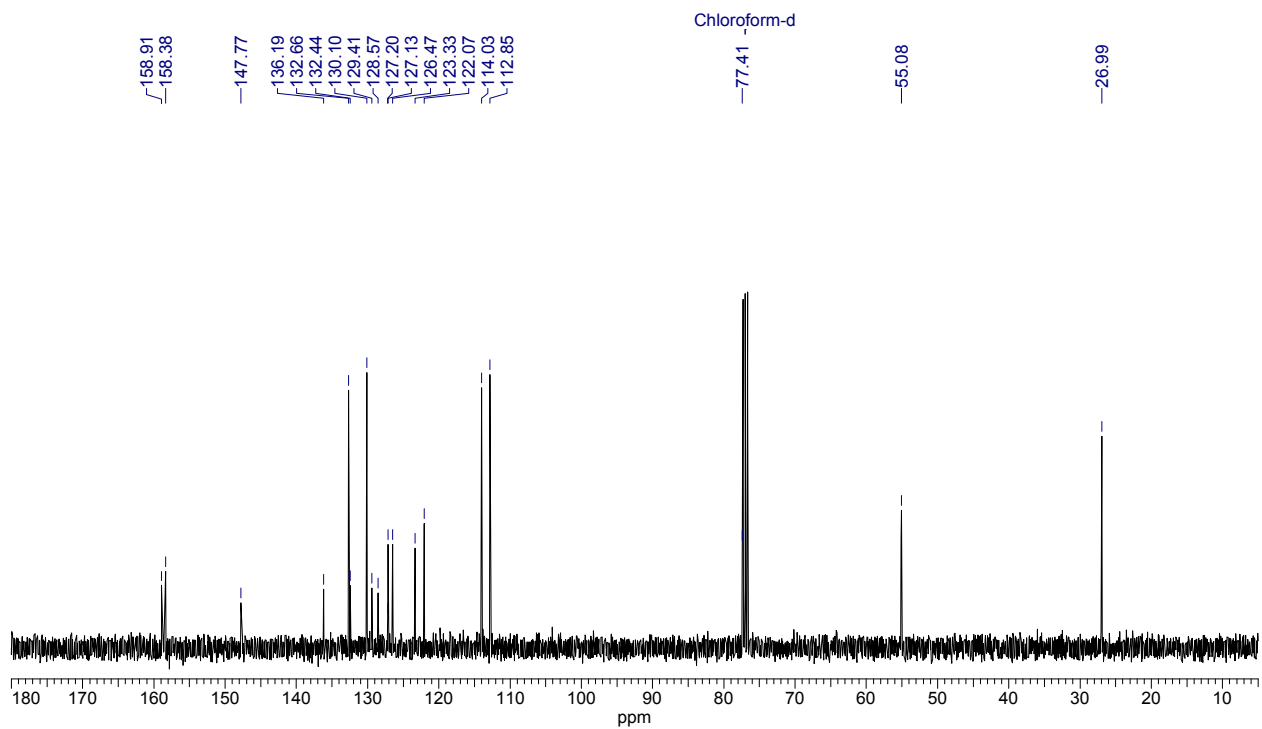
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ae** in CDCl_3



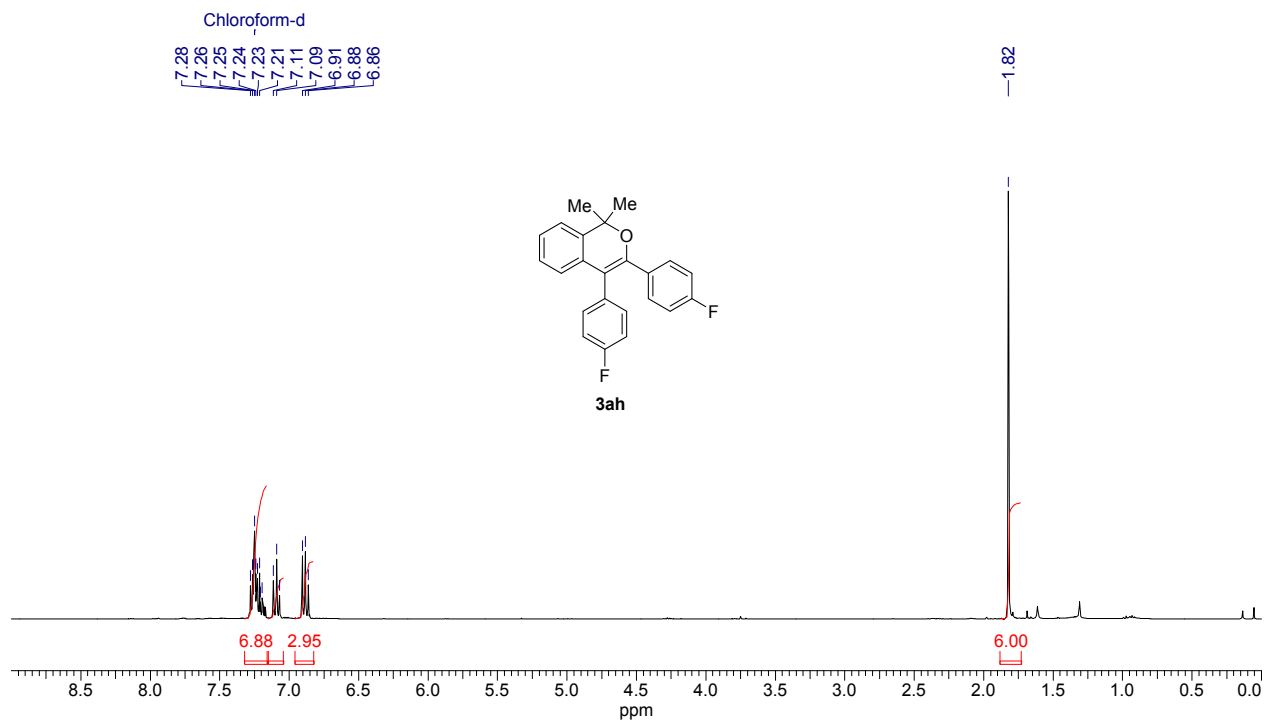
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ae** in CDCl_3



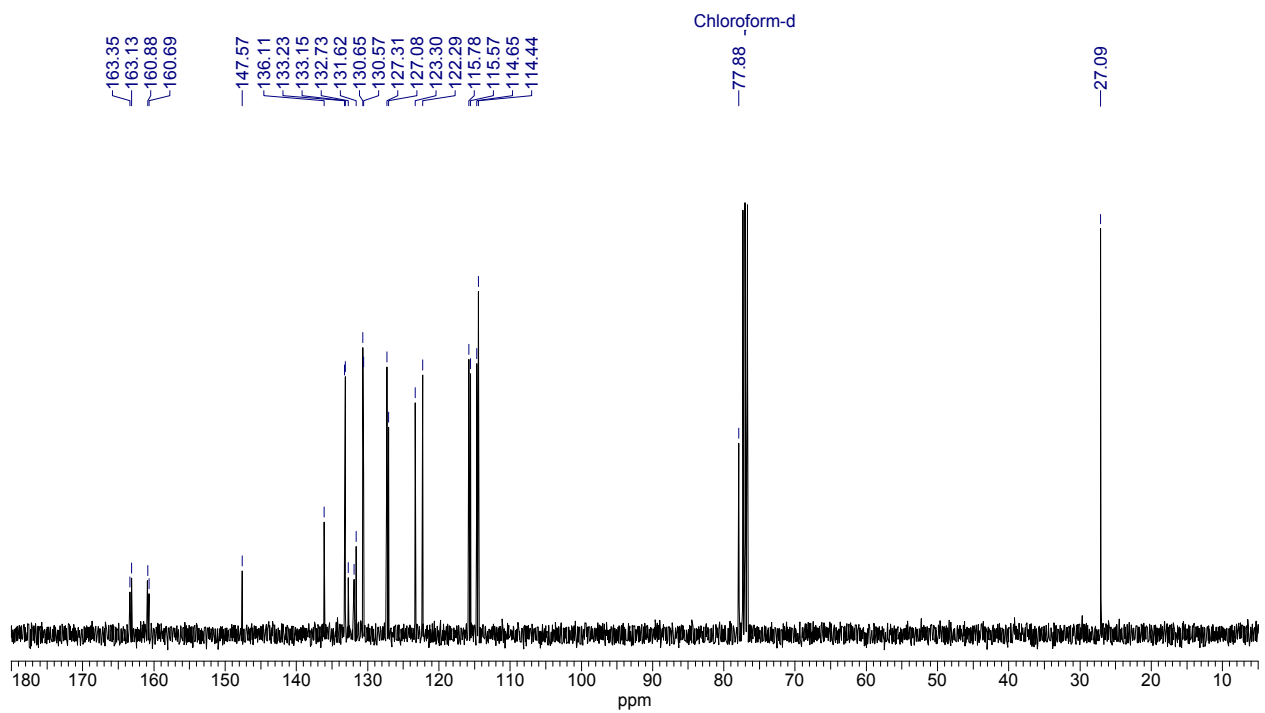
$^1\text{H-NMR}$ (400 MHz) spectrum of **3af** in CDCl_3



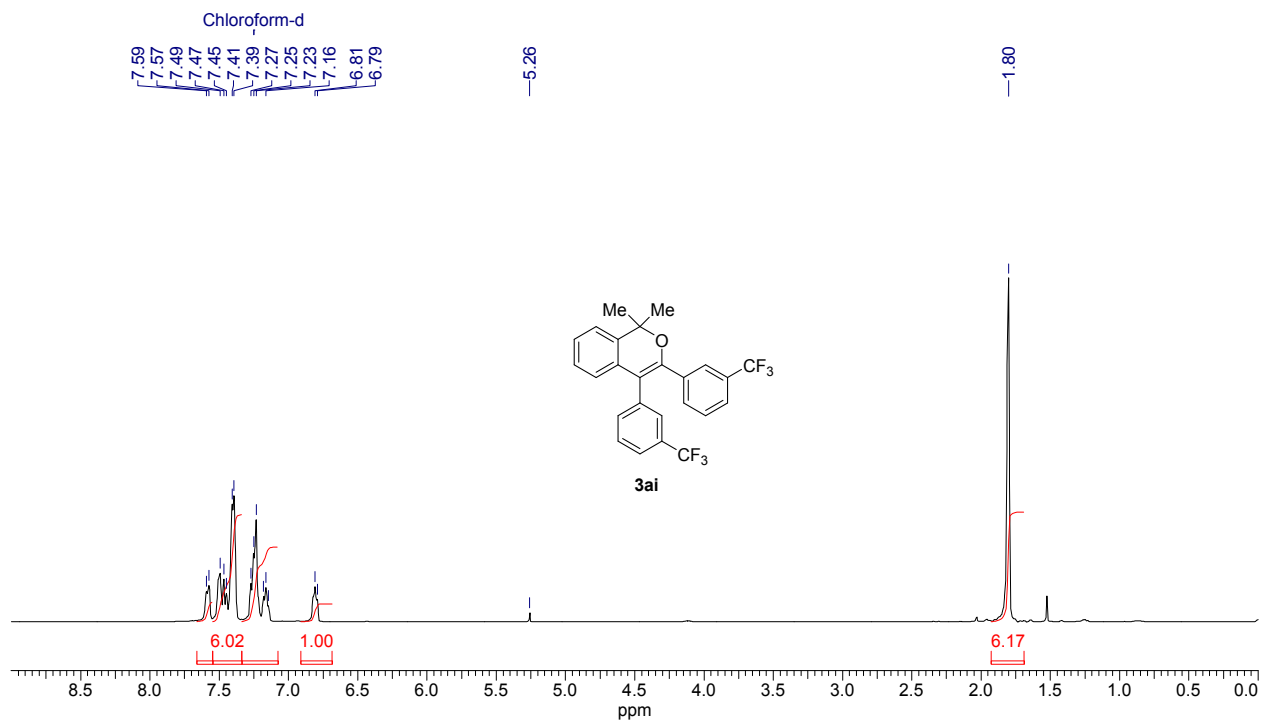
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3af** in CDCl_3



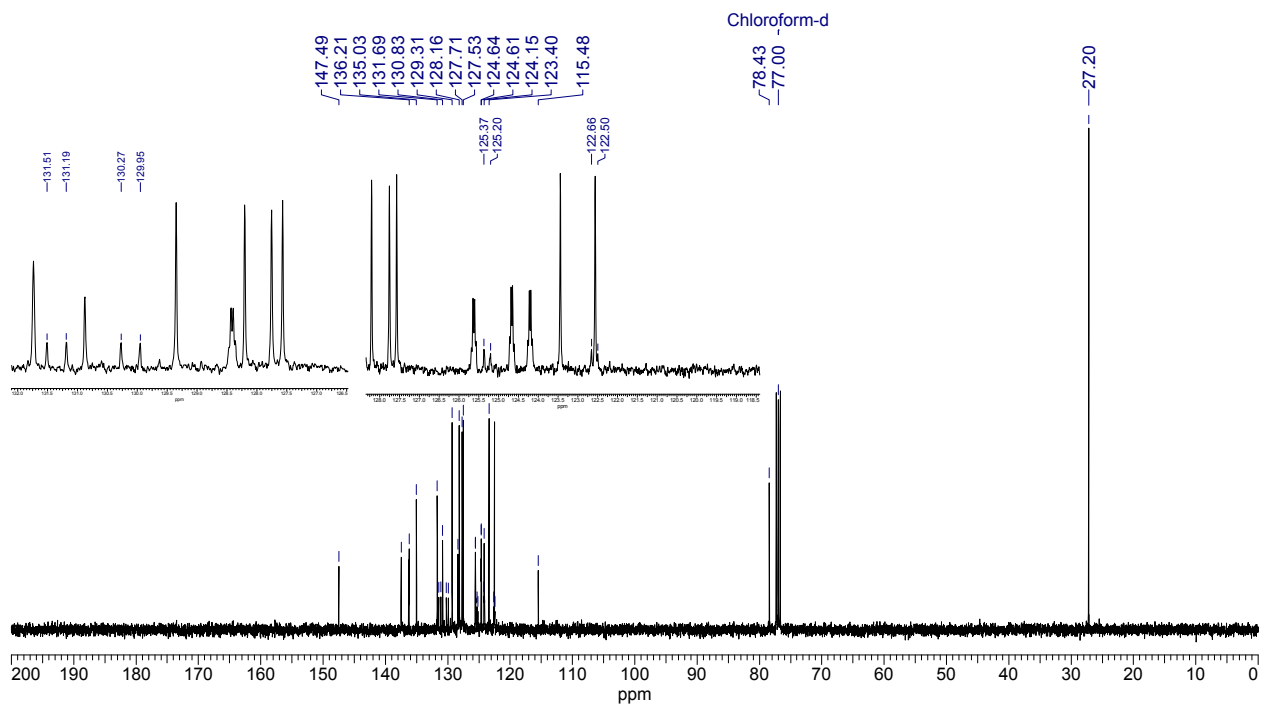
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ah** in CDCl_3



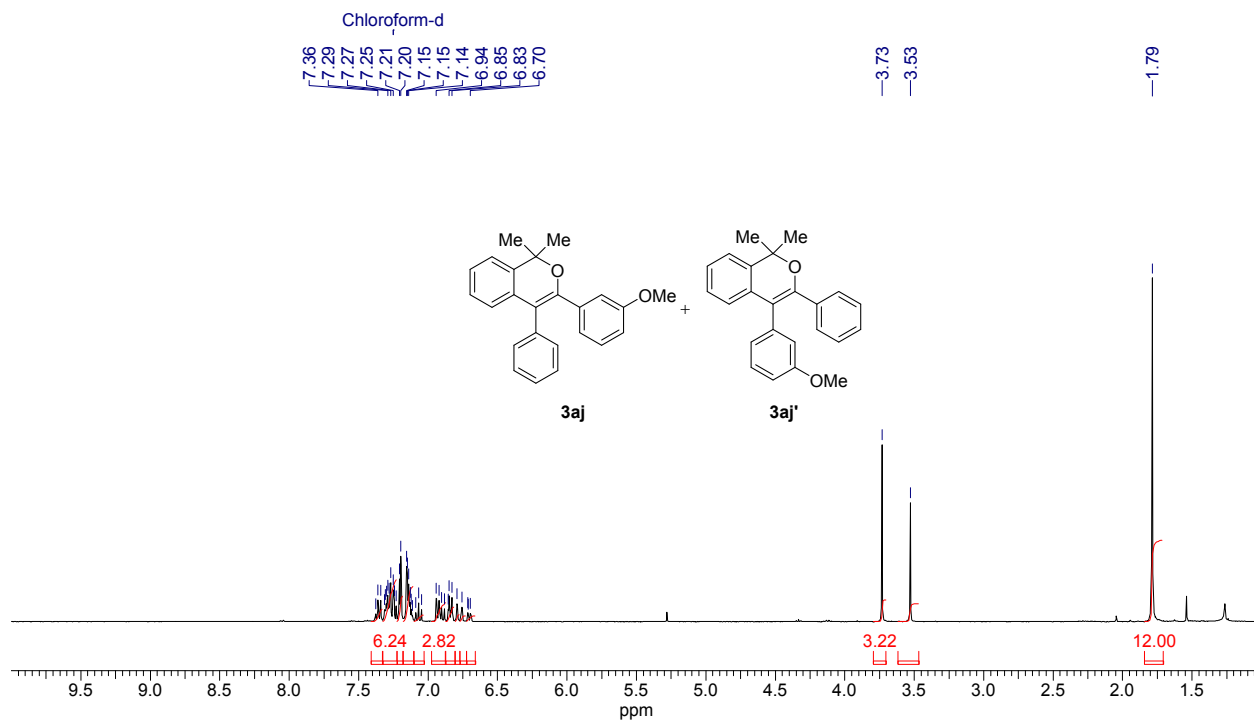
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ah** in CDCl_3



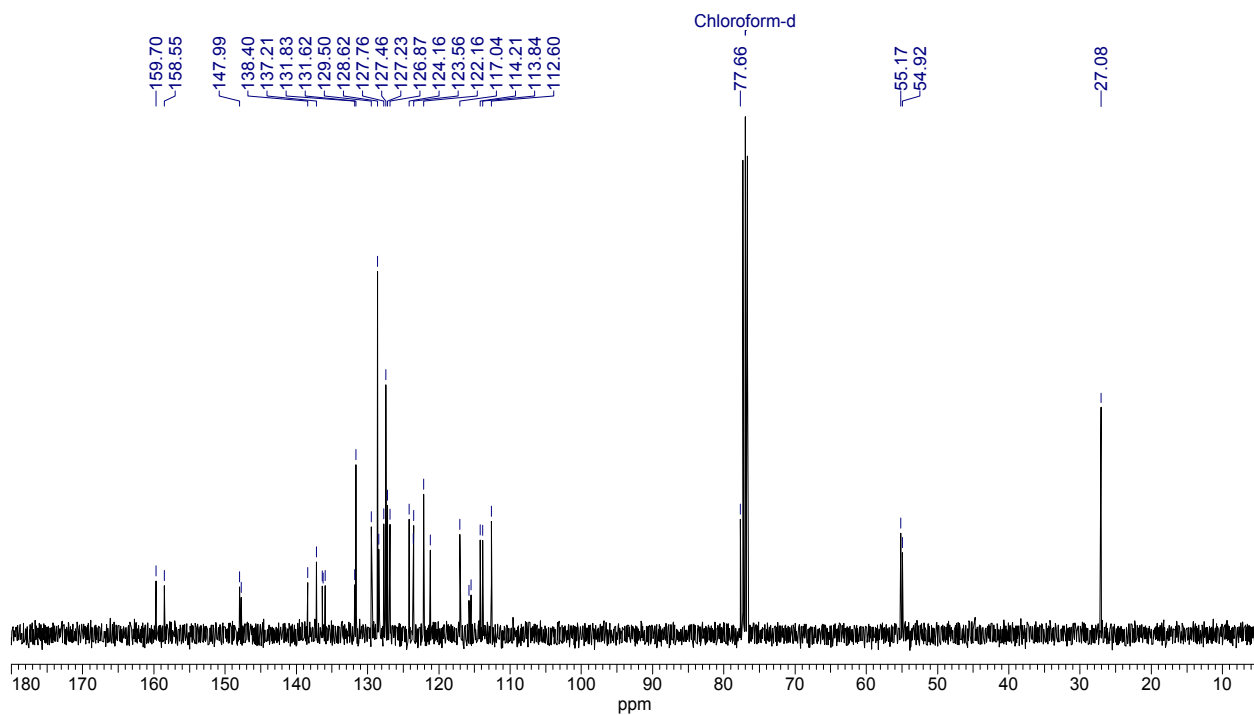
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ai** in CDCl_3



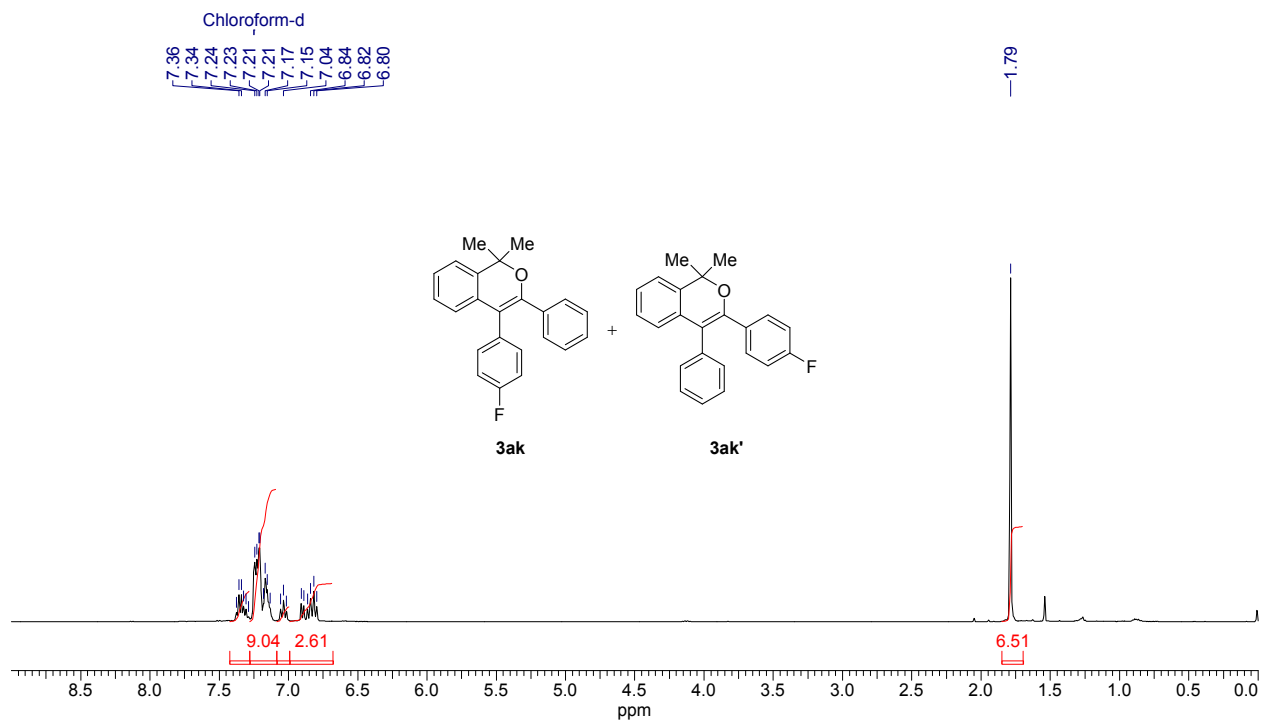
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ai** in CDCl_3



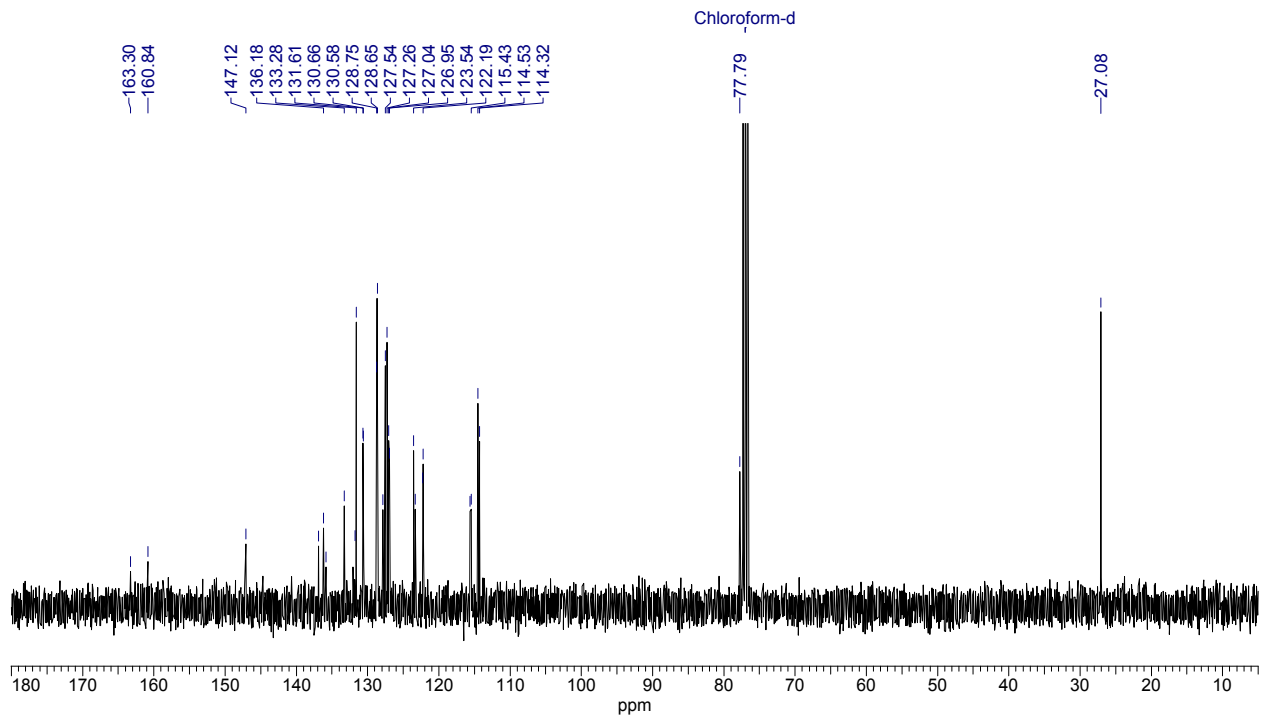
$^1\text{H-NMR}$ (400 MHz) spectrum of **3aj** and **3aj'** in CDCl_3



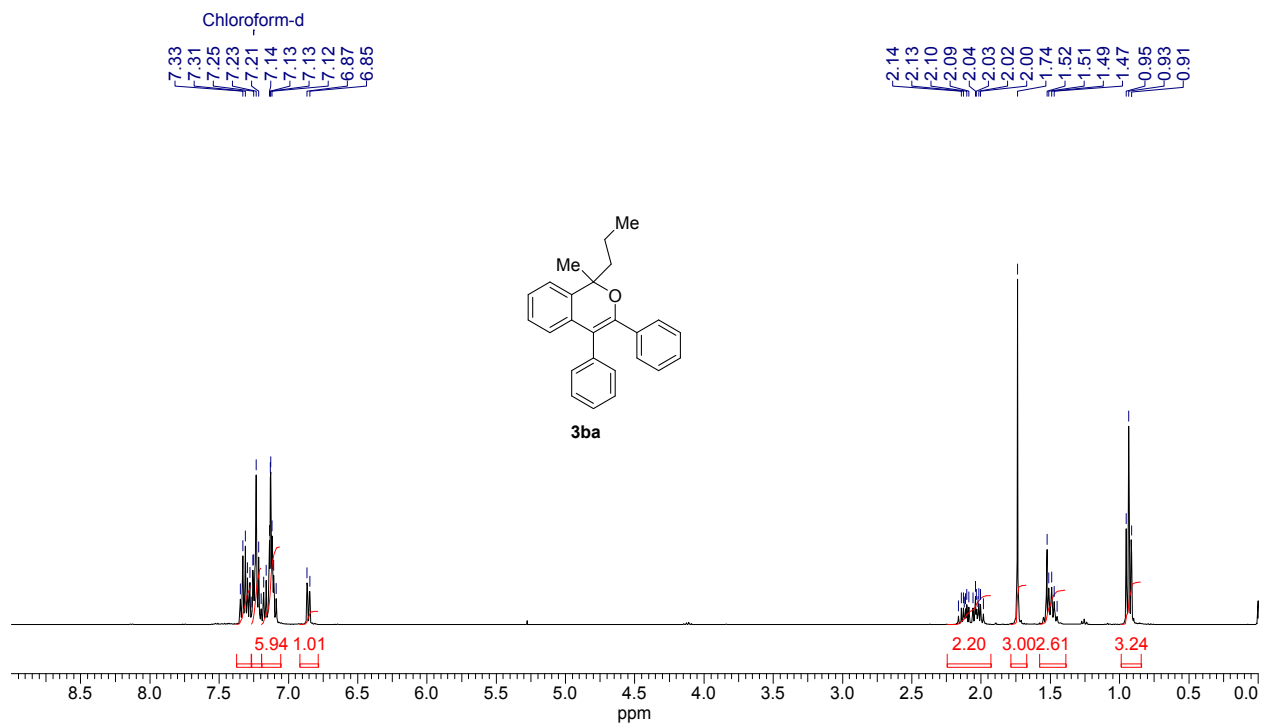
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3aj** and **3aj'** in CDCl_3



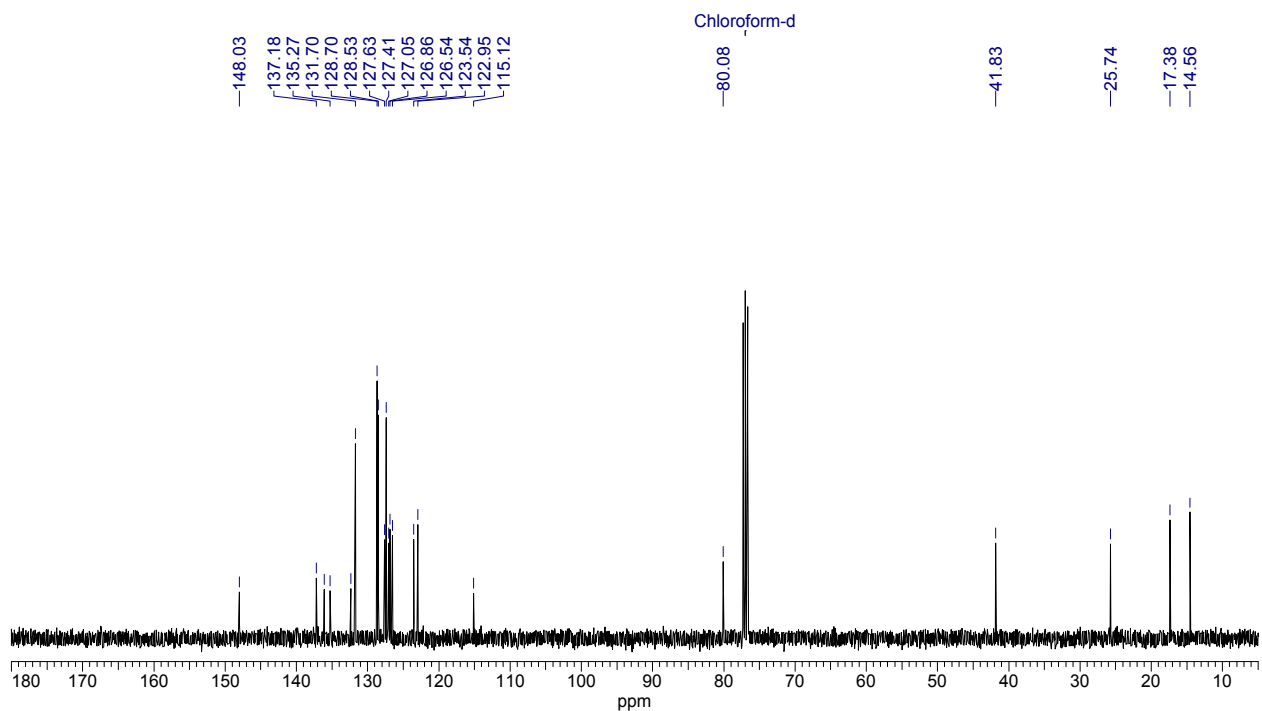
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ak** and **3ak'** in CDCl_3



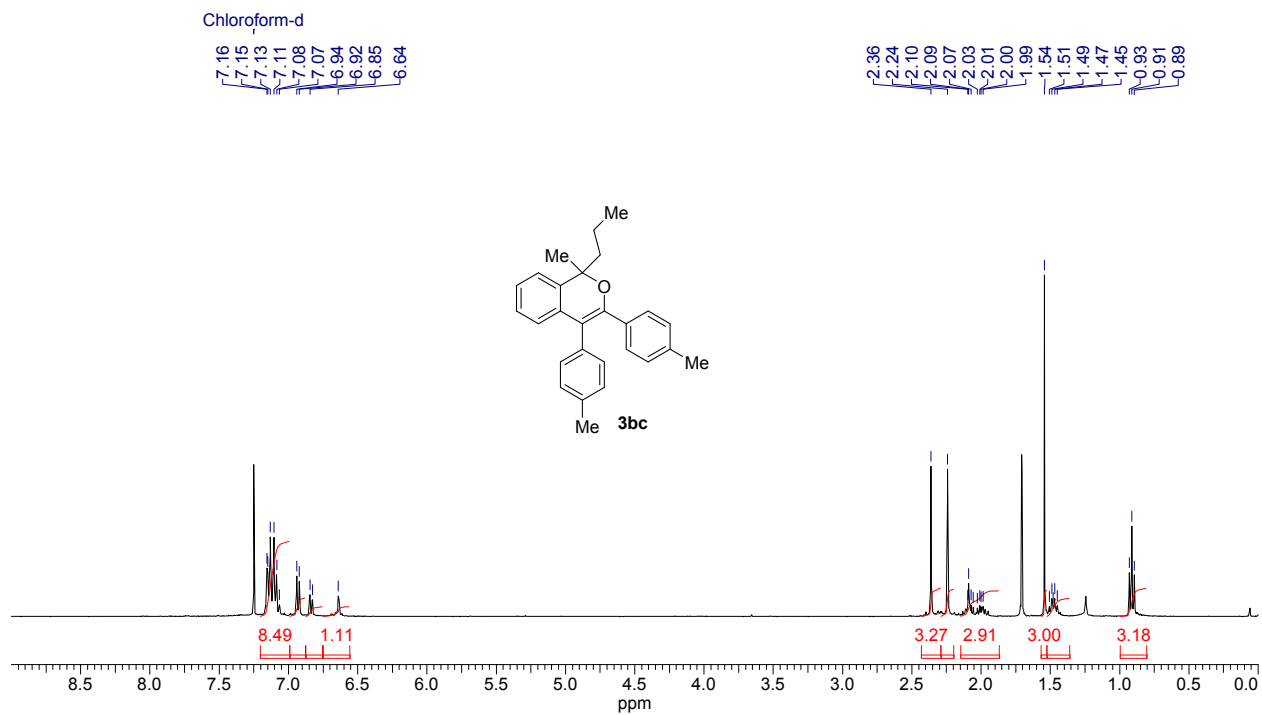
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ak** and **3ak'** in CDCl_3



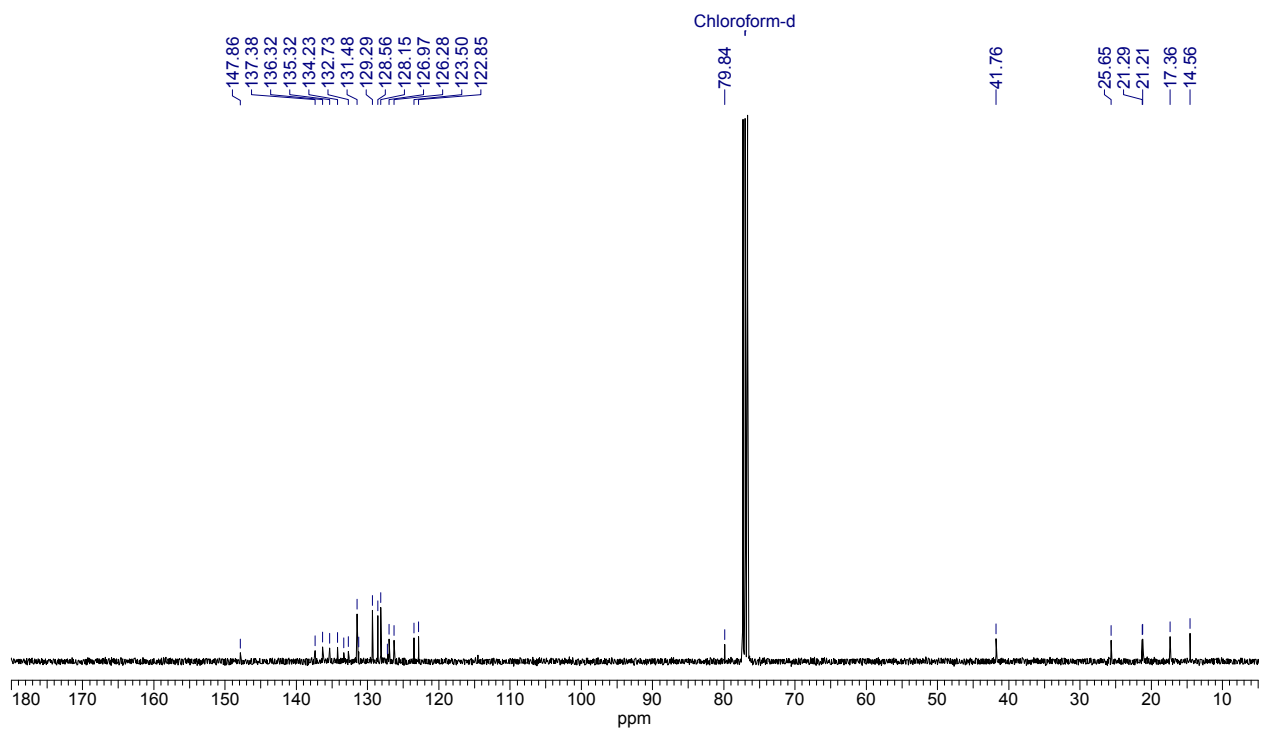
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ba** in CDCl_3



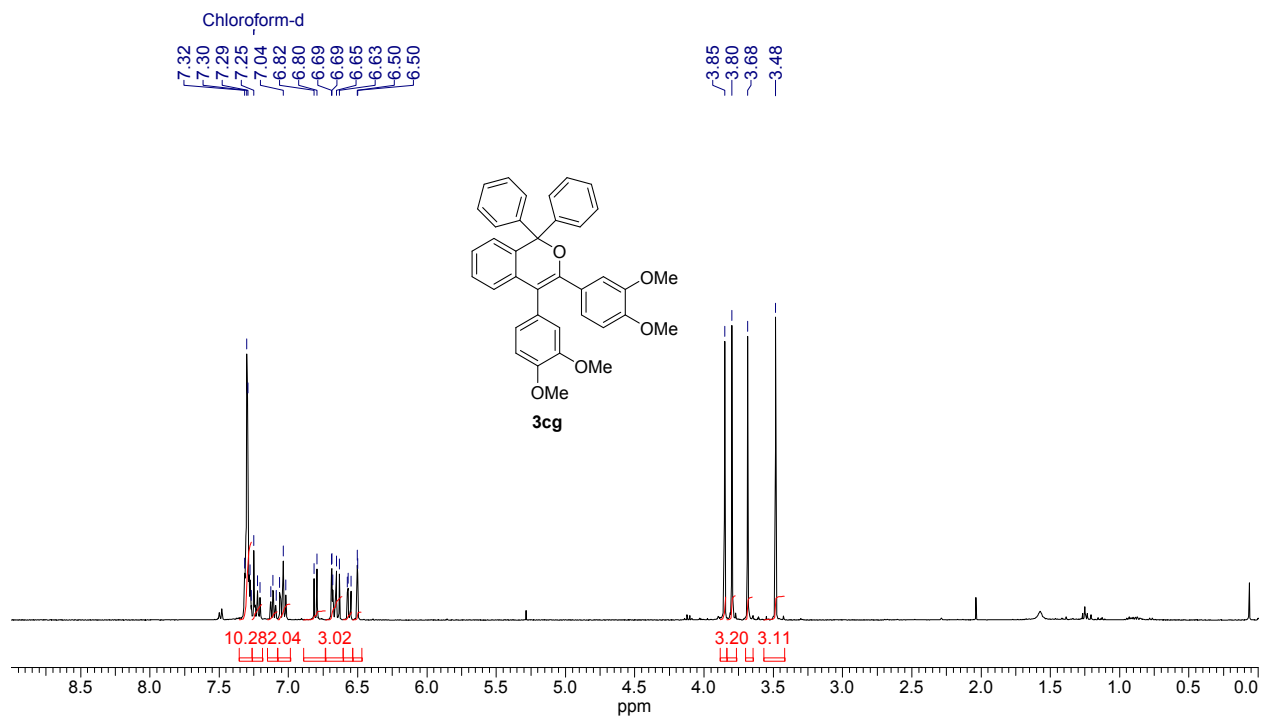
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ba** in CDCl_3



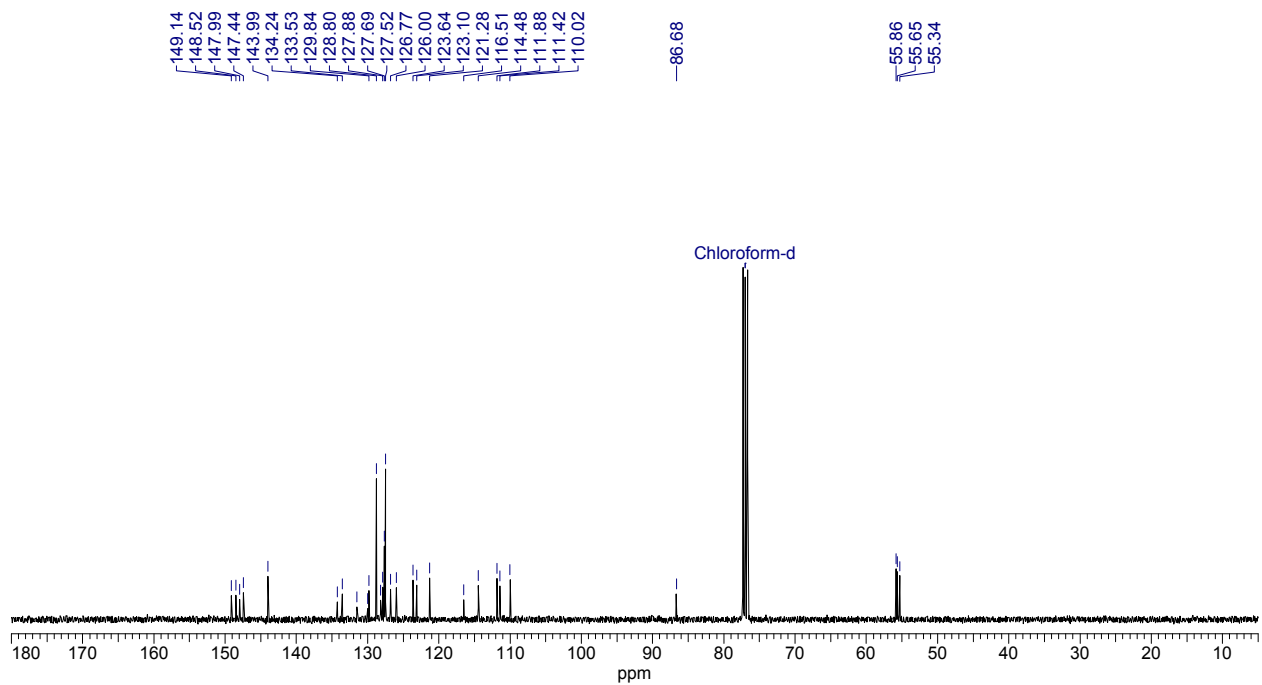
$^1\text{H-NMR}$ (400 MHz) spectrum of **3bc** in CDCl_3



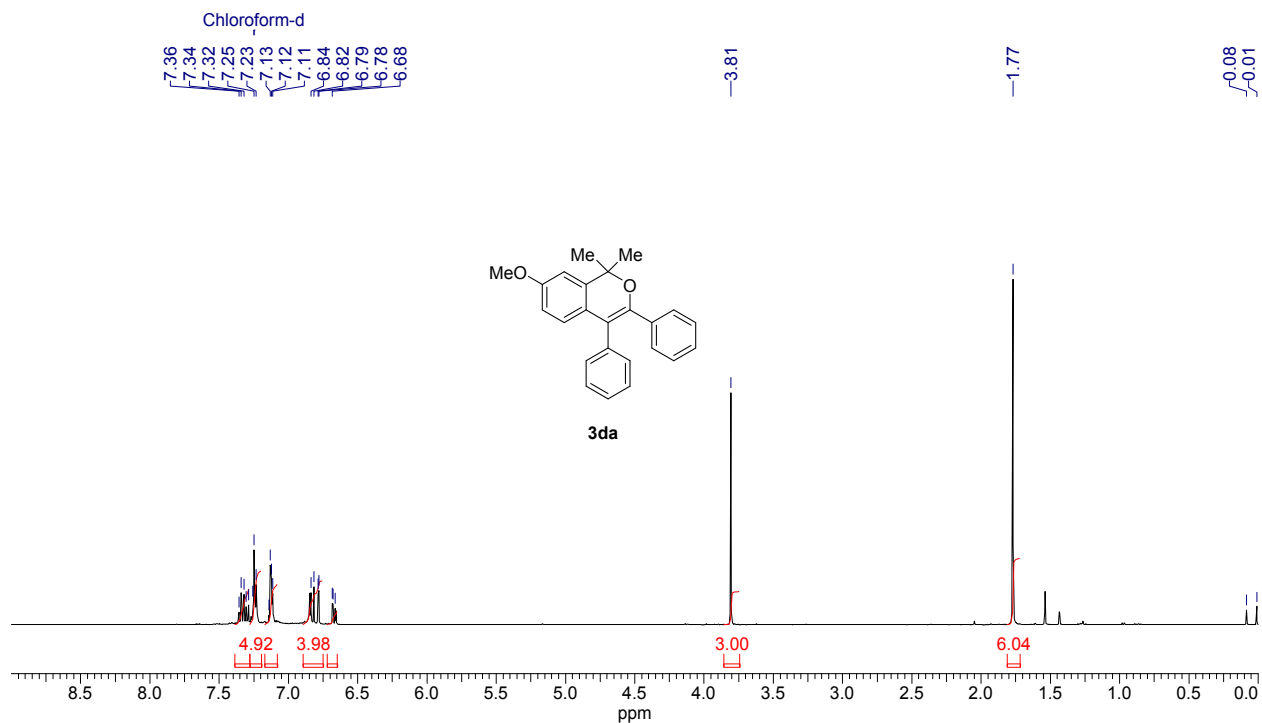
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3bc** in CDCl_3



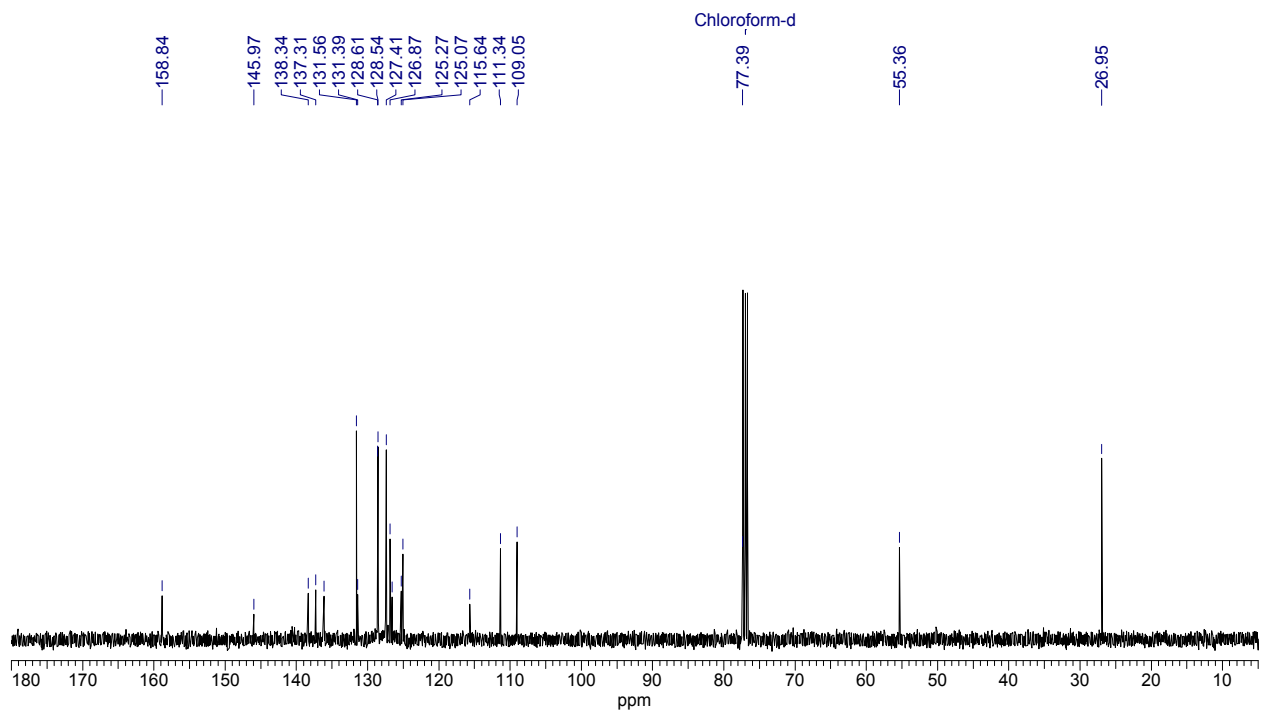
$^1\text{H-NMR}$ (400 MHz) spectrum of **3cg** in CDCl_3



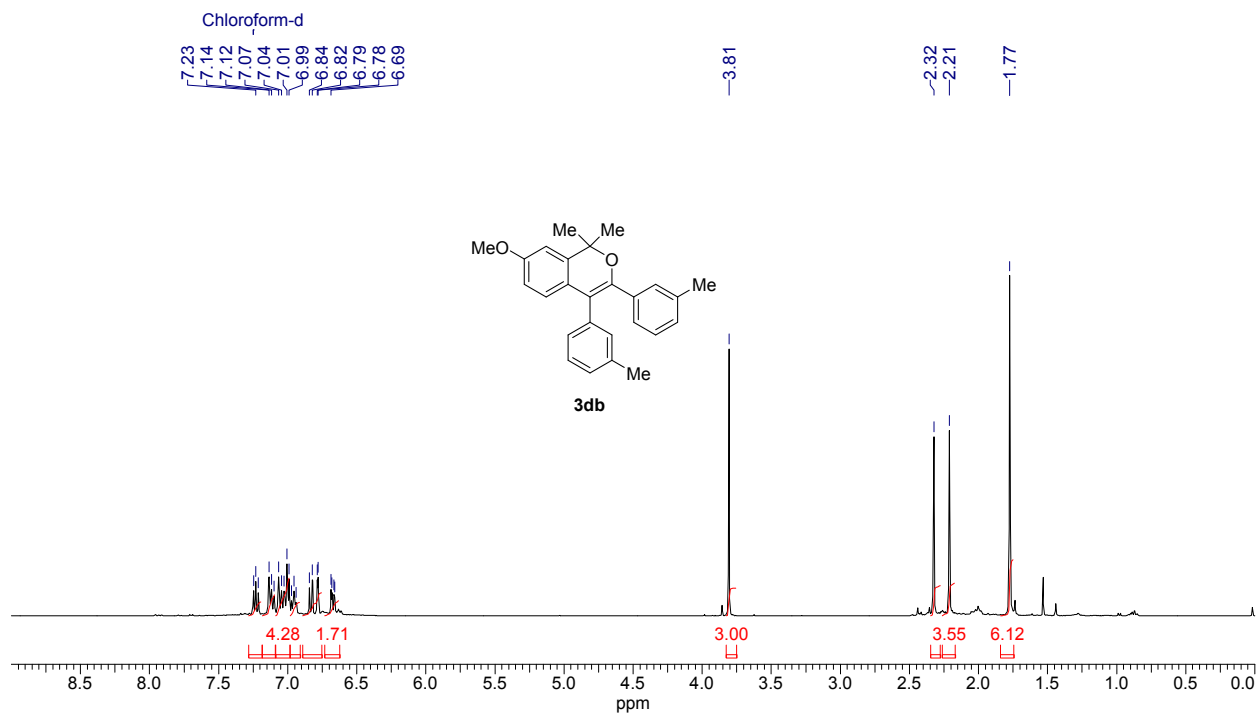
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3cg** in CDCl_3



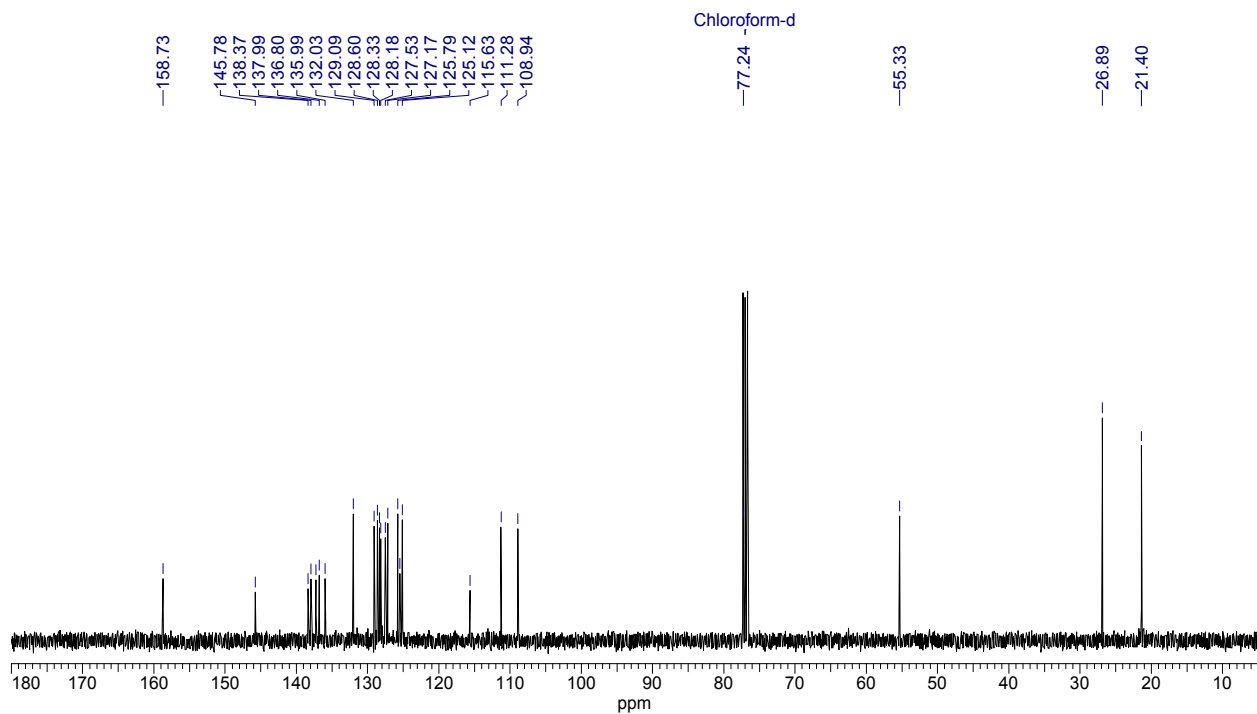
$^1\text{H-NMR}$ (400 MHz) spectrum of **3da** in CDCl_3



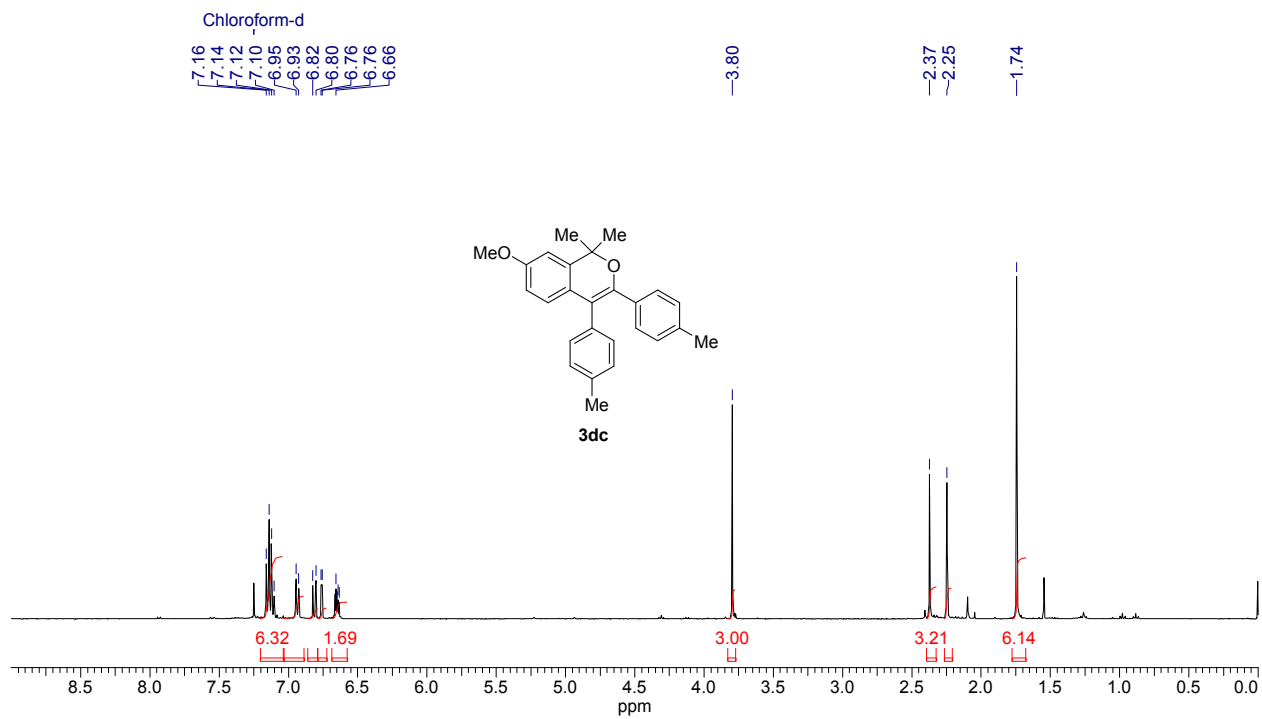
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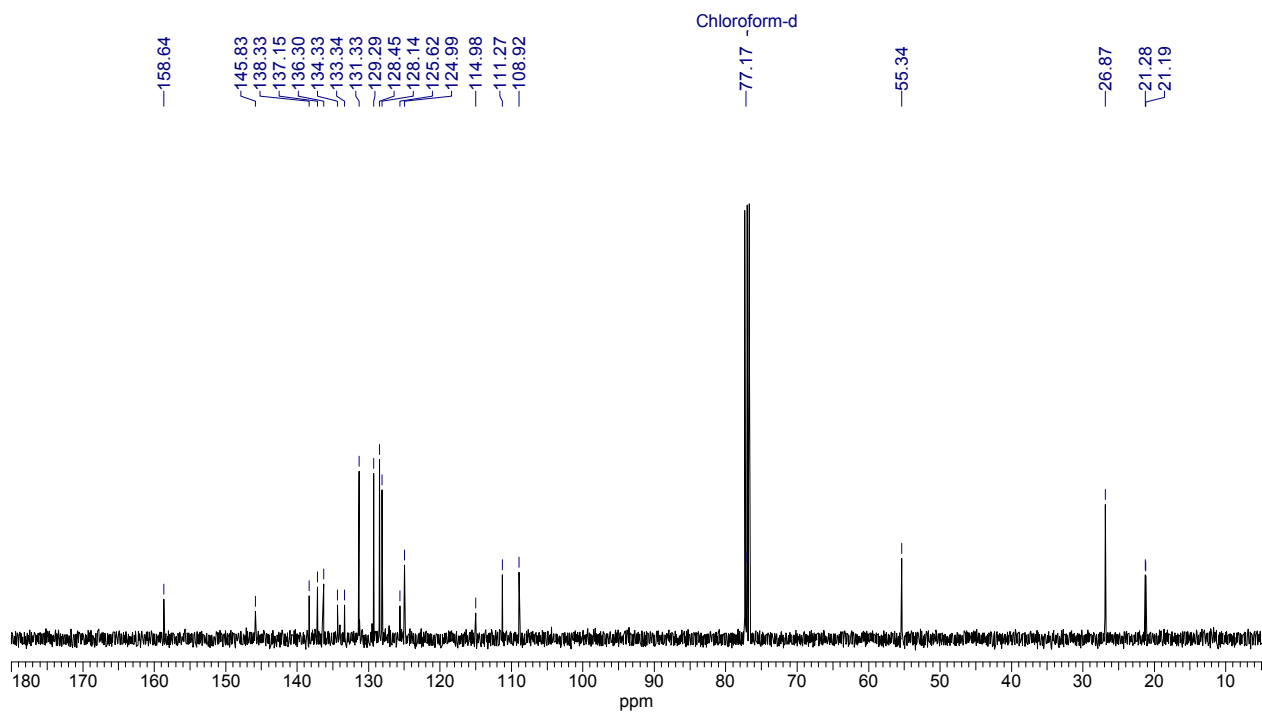
$^1\text{H-NMR}$ (400 MHz) spectrum of **3db** in CDCl_3



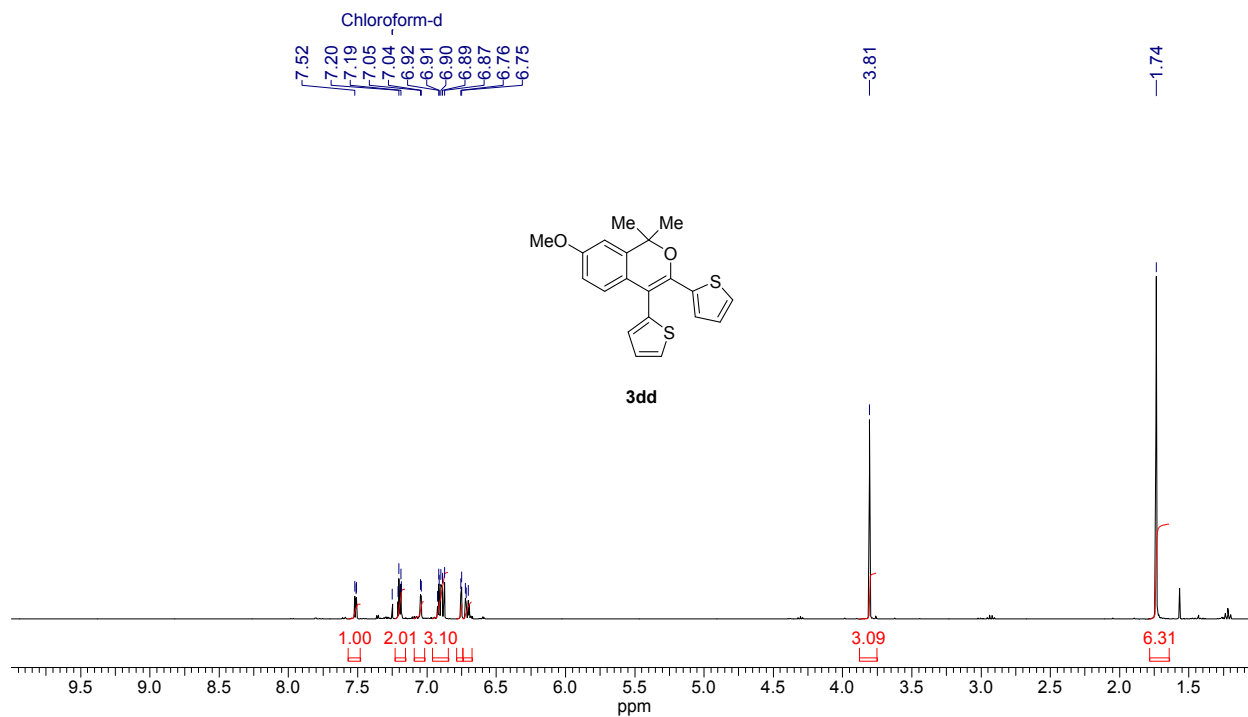
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3db** in CDCl_3



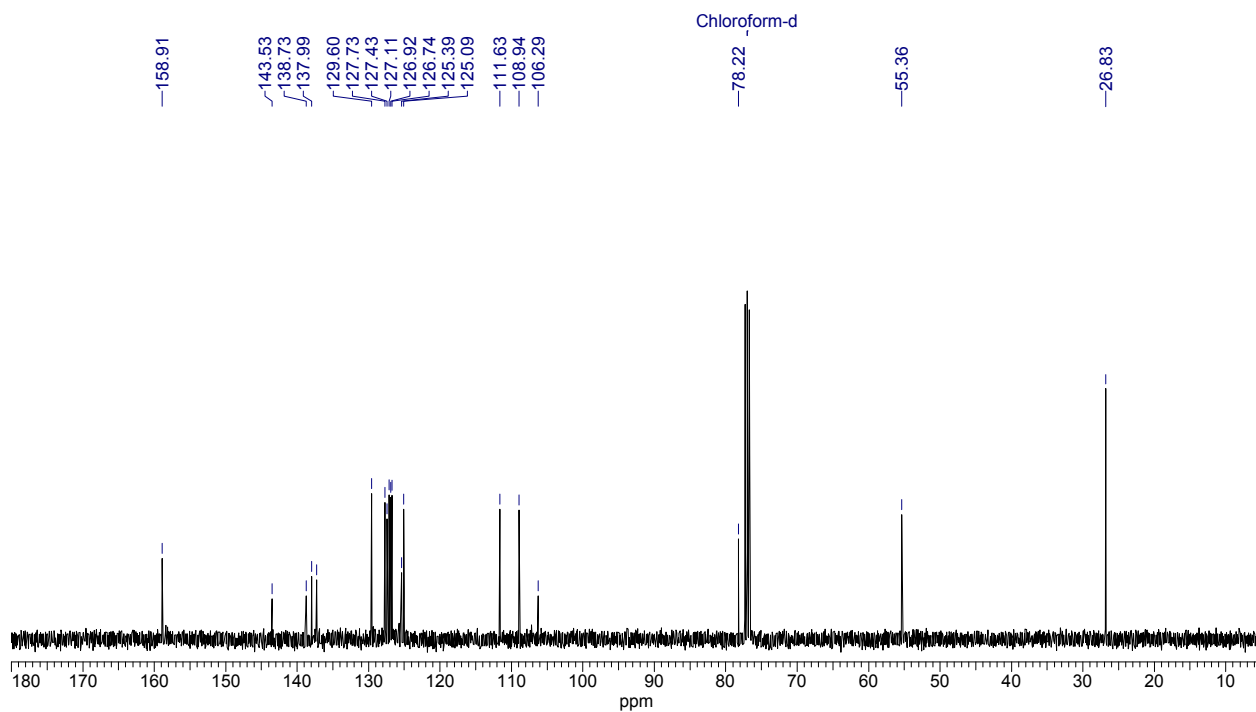
$^1\text{H-NMR}$ (400 MHz) spectrum of **3dc** in CDCl_3



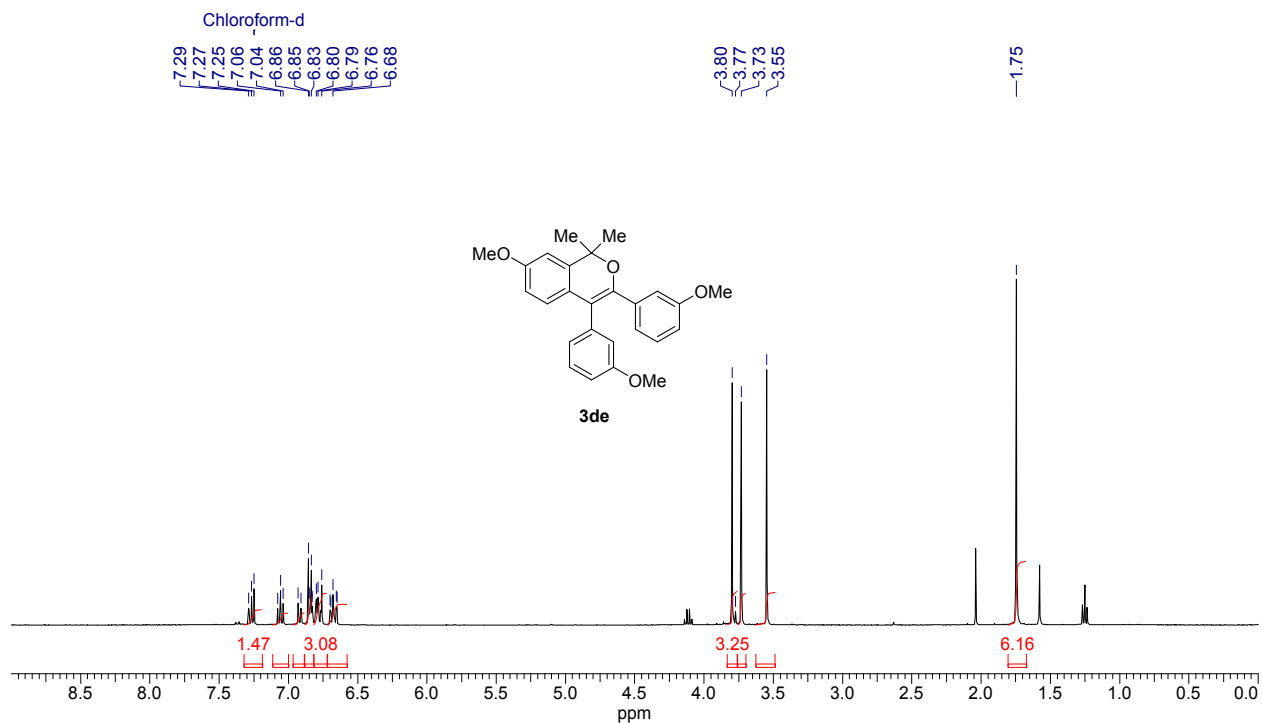
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3dc** in CDCl_3



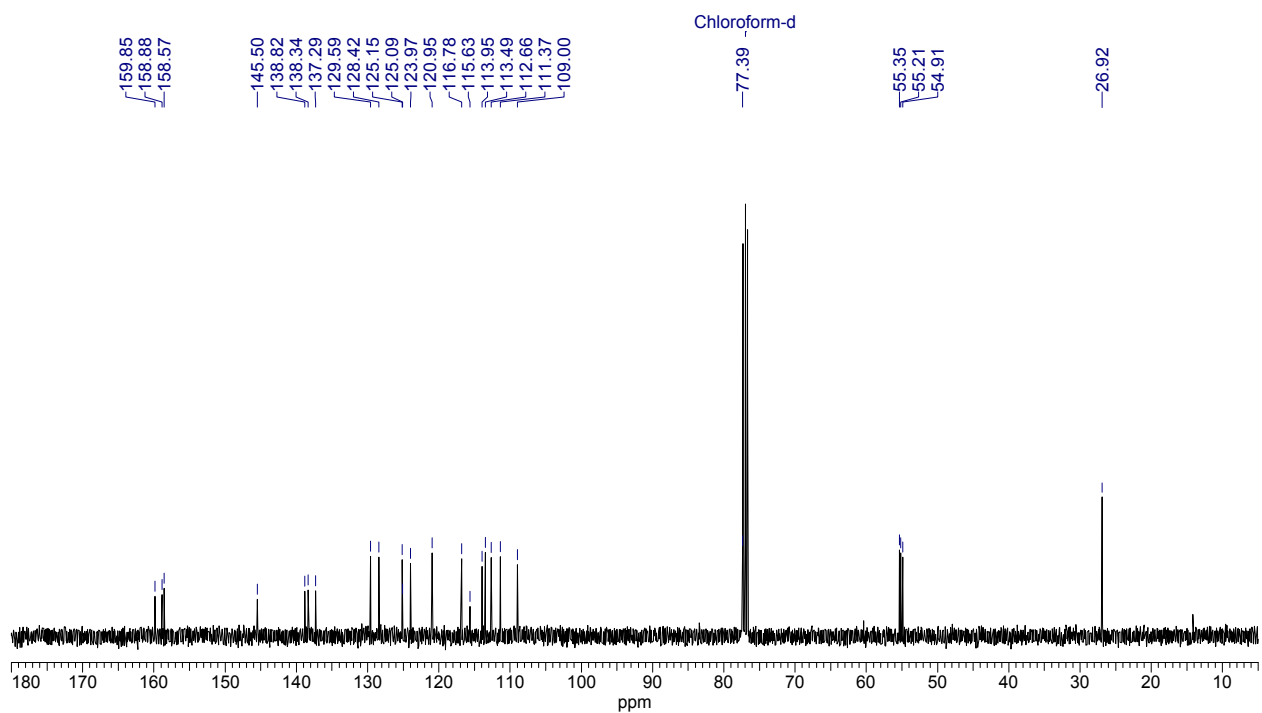
$^1\text{H-NMR}$ (400 MHz) spectrum of **3dd** in CDCl_3



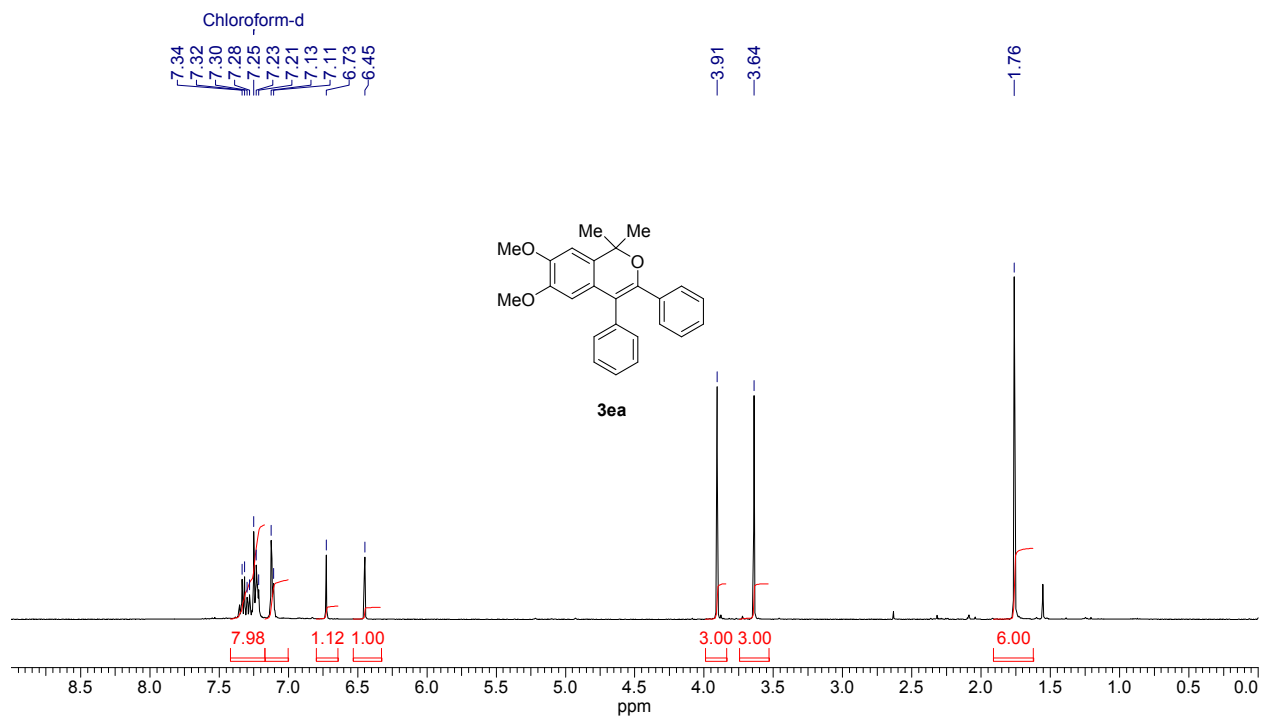
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3dd** in CDCl_3



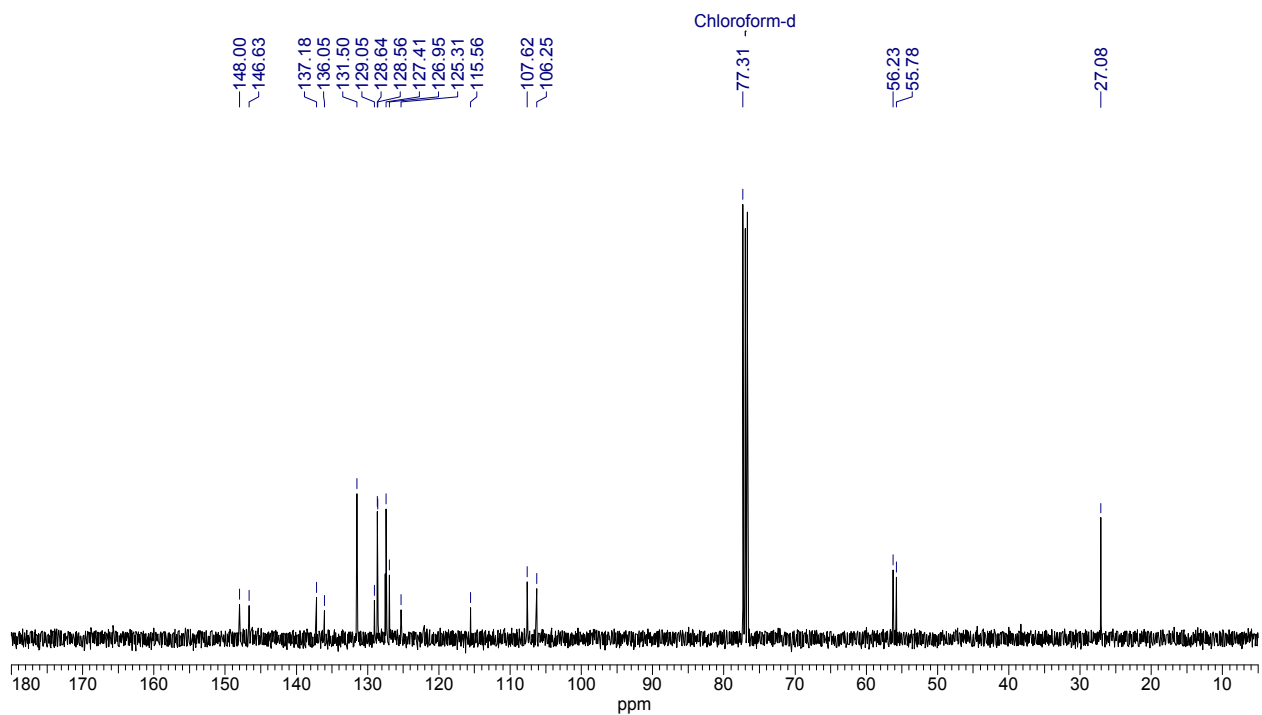
$^1\text{H-NMR}$ (400 MHz) spectrum of **3de** in CDCl_3



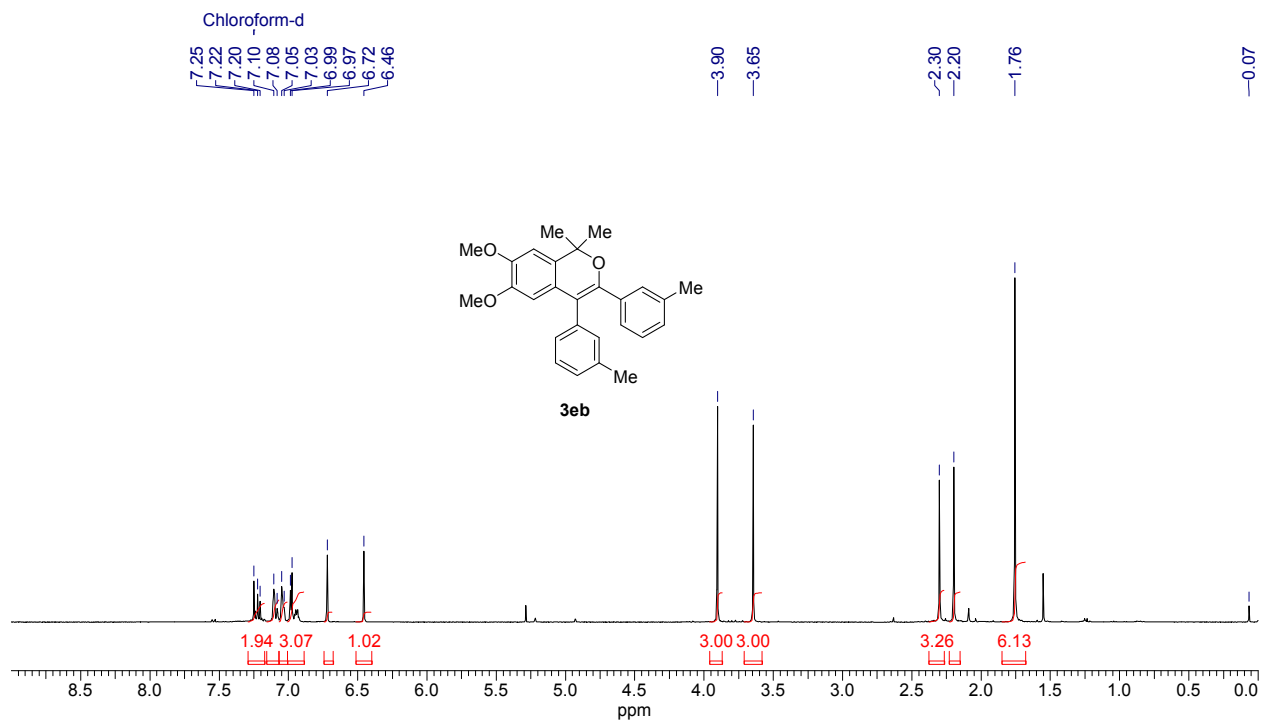
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3de** in CDCl_3



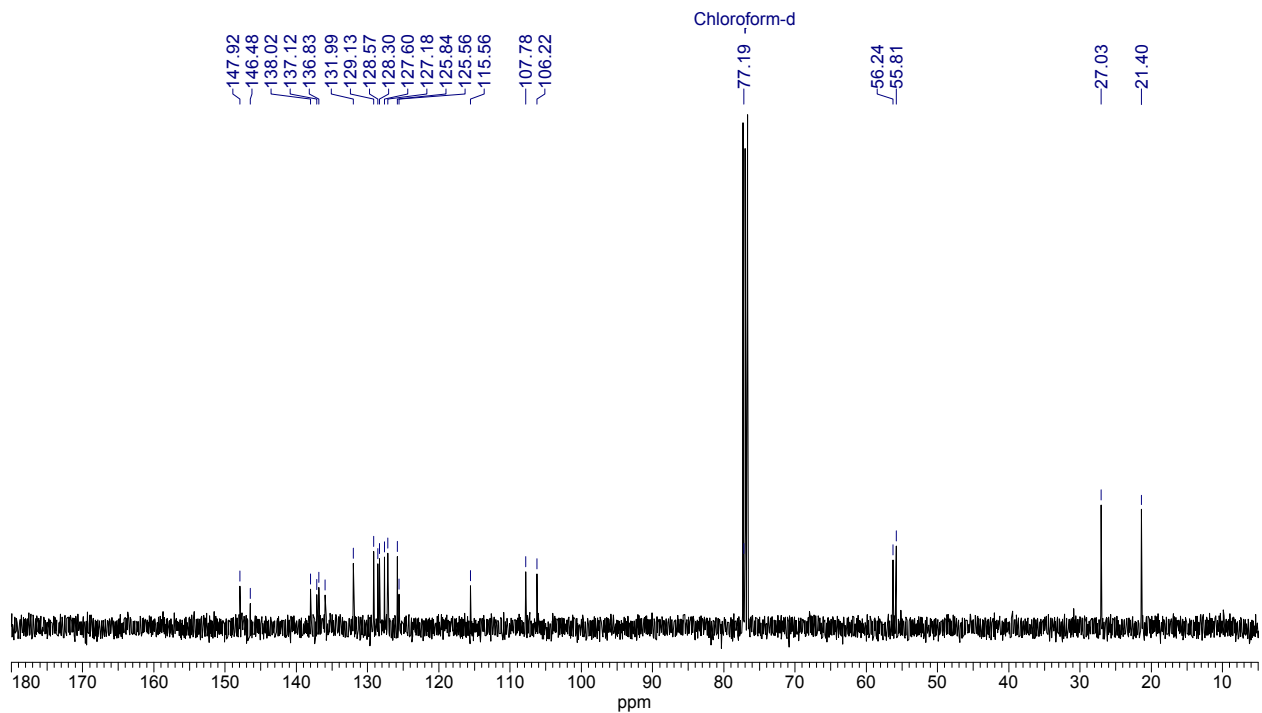
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ea** in CDCl_3



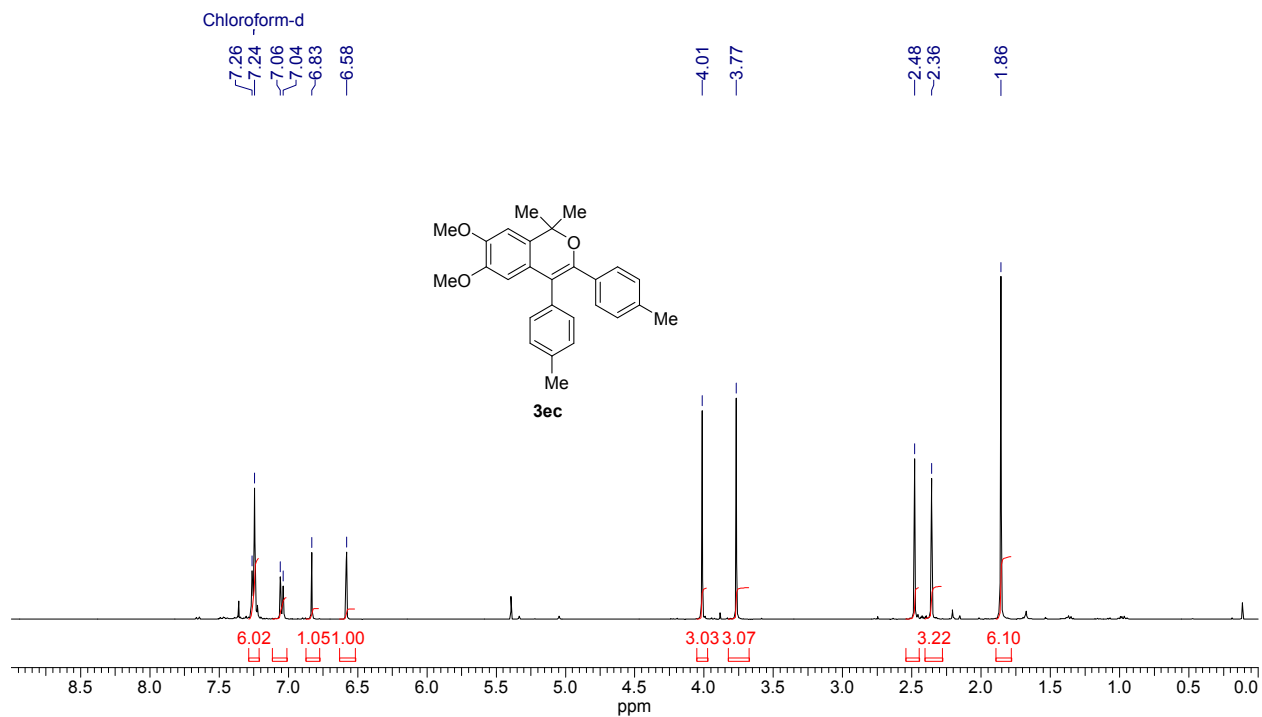
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ea** in CDCl_3



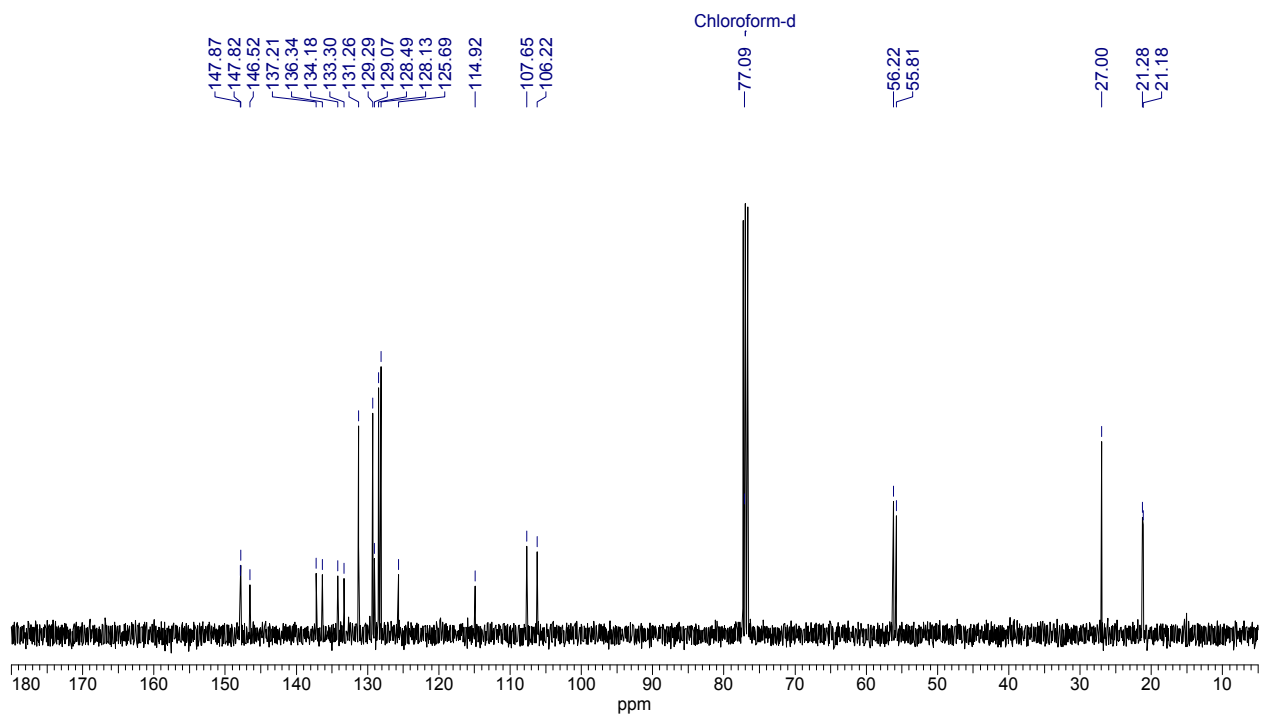
$^1\text{H-NMR}$ (400 MHz) spectrum of **3eb** in CDCl_3



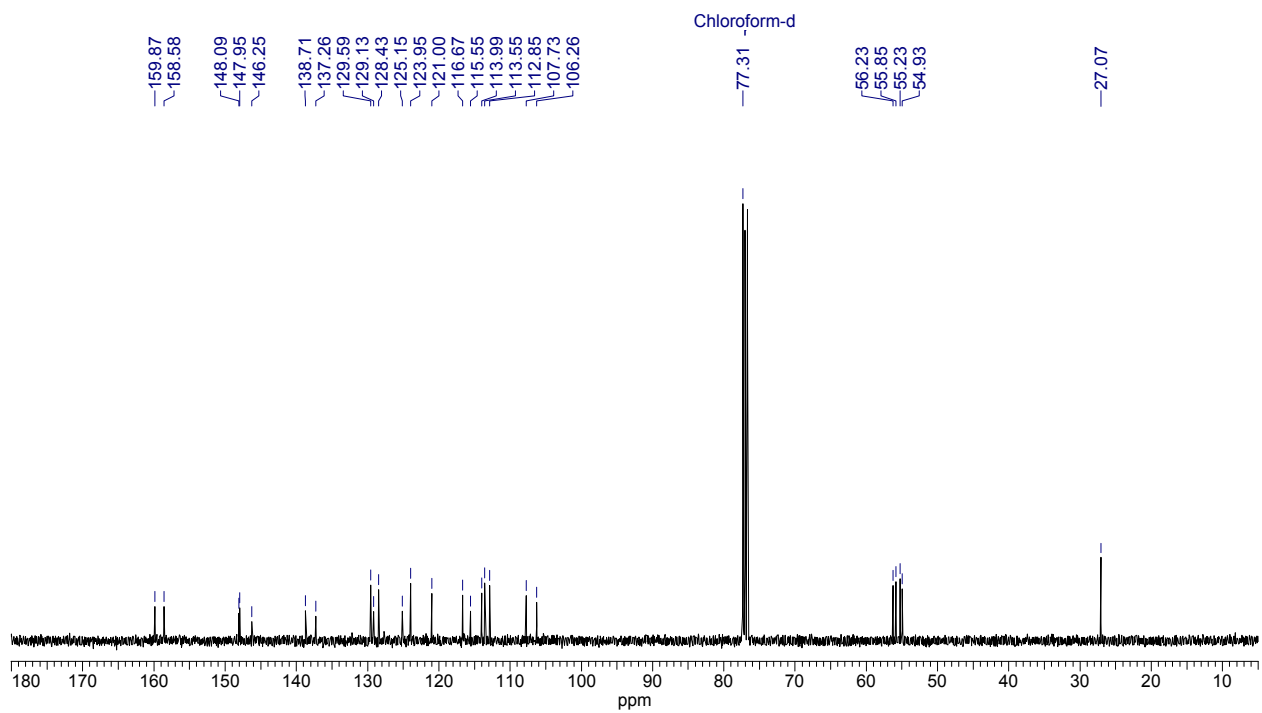
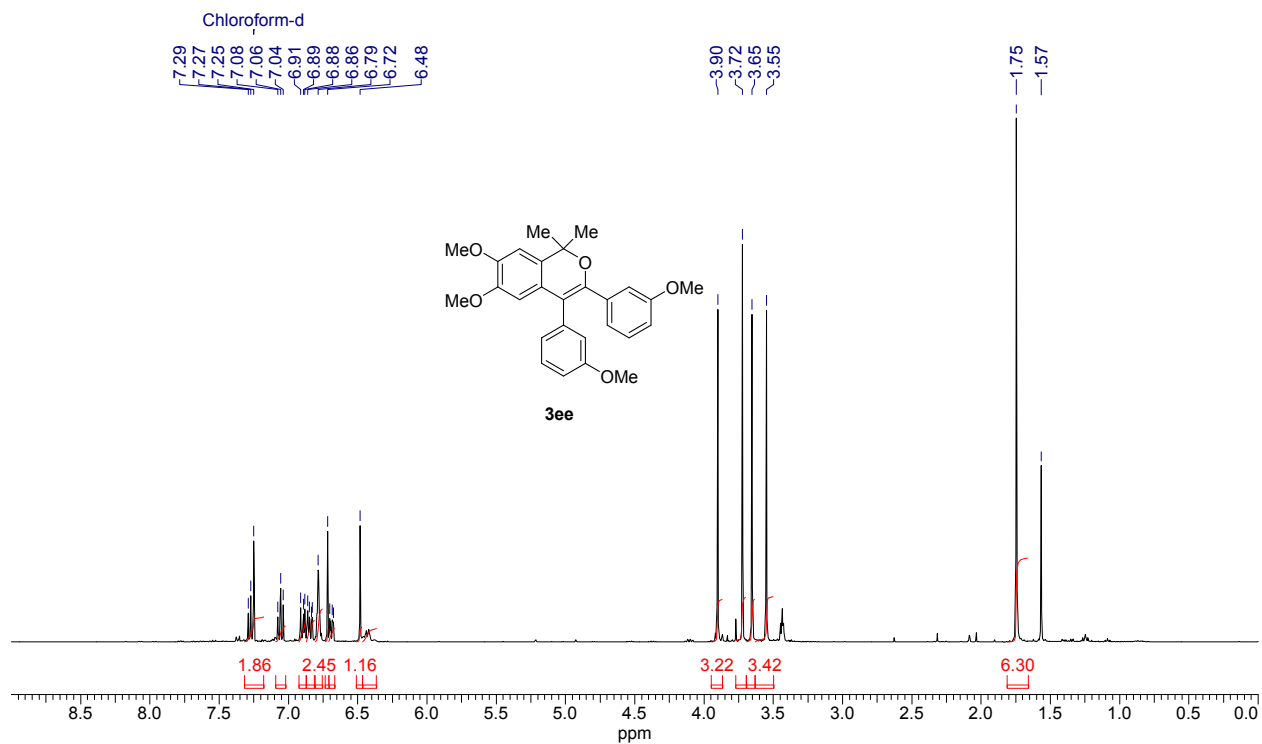
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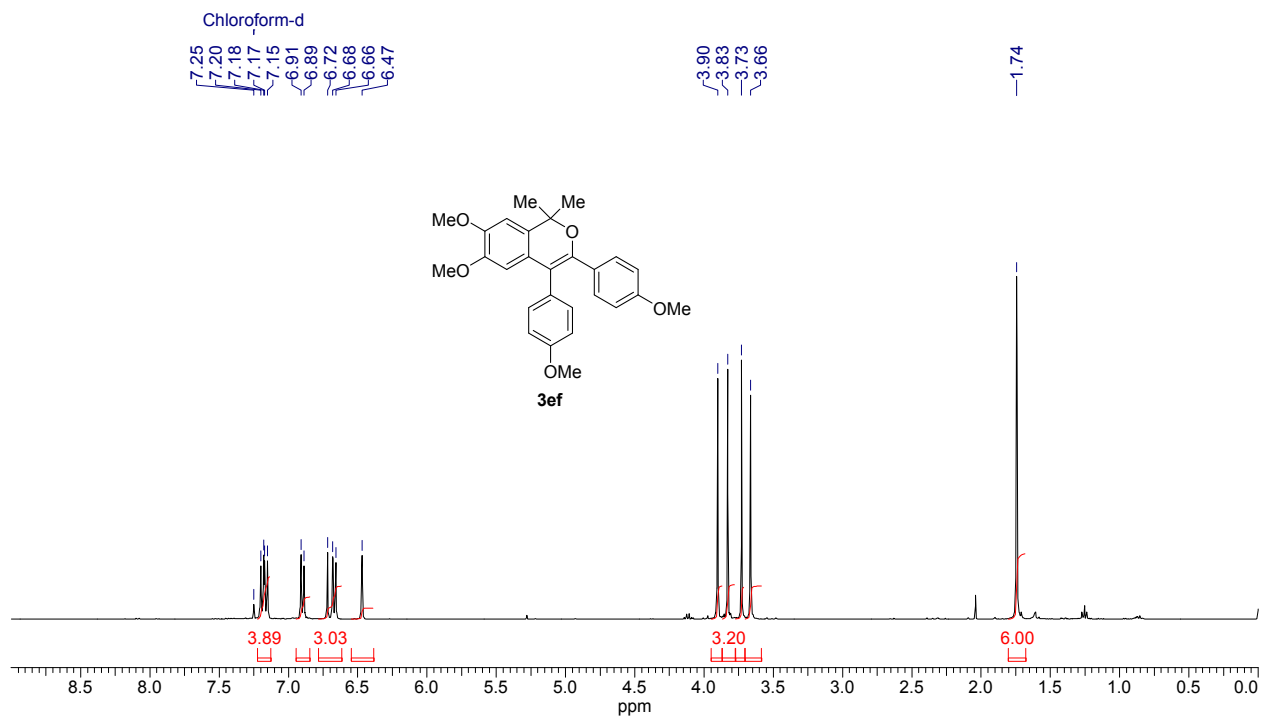


$^1\text{H-NMR}$ (400 MHz) spectrum of **3ec** in CDCl_3

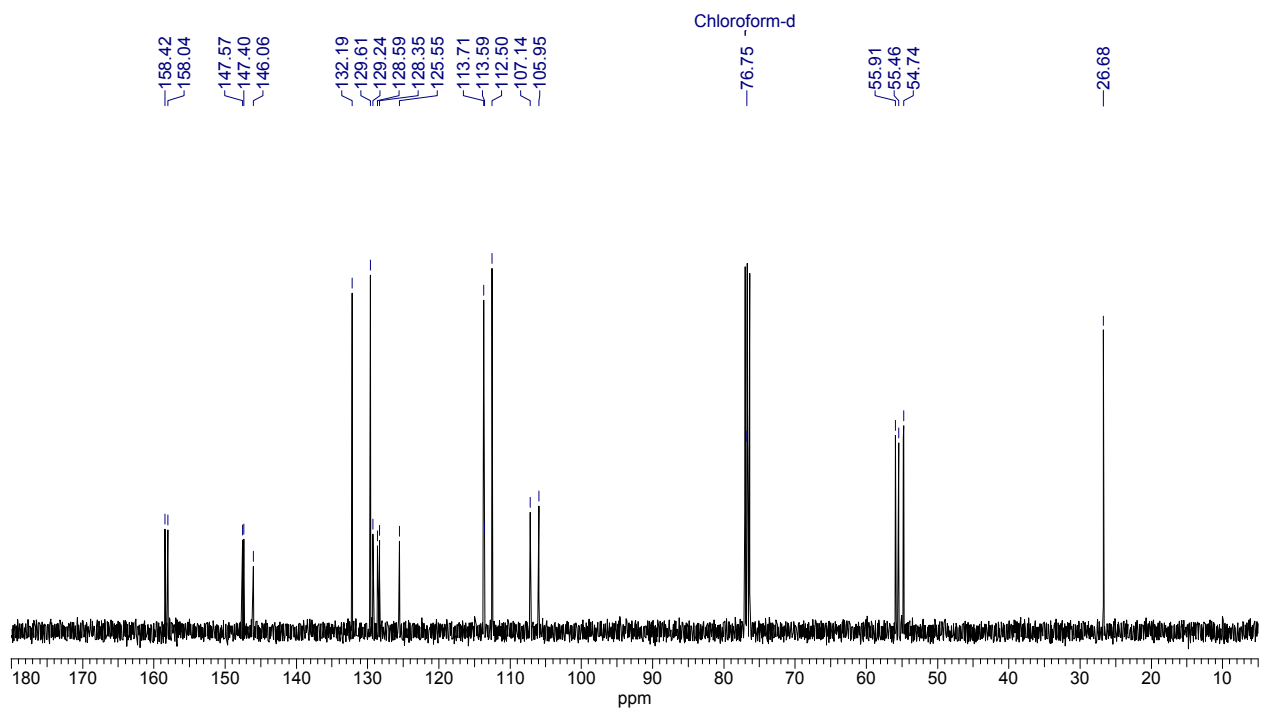


$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ec** in CDCl_3

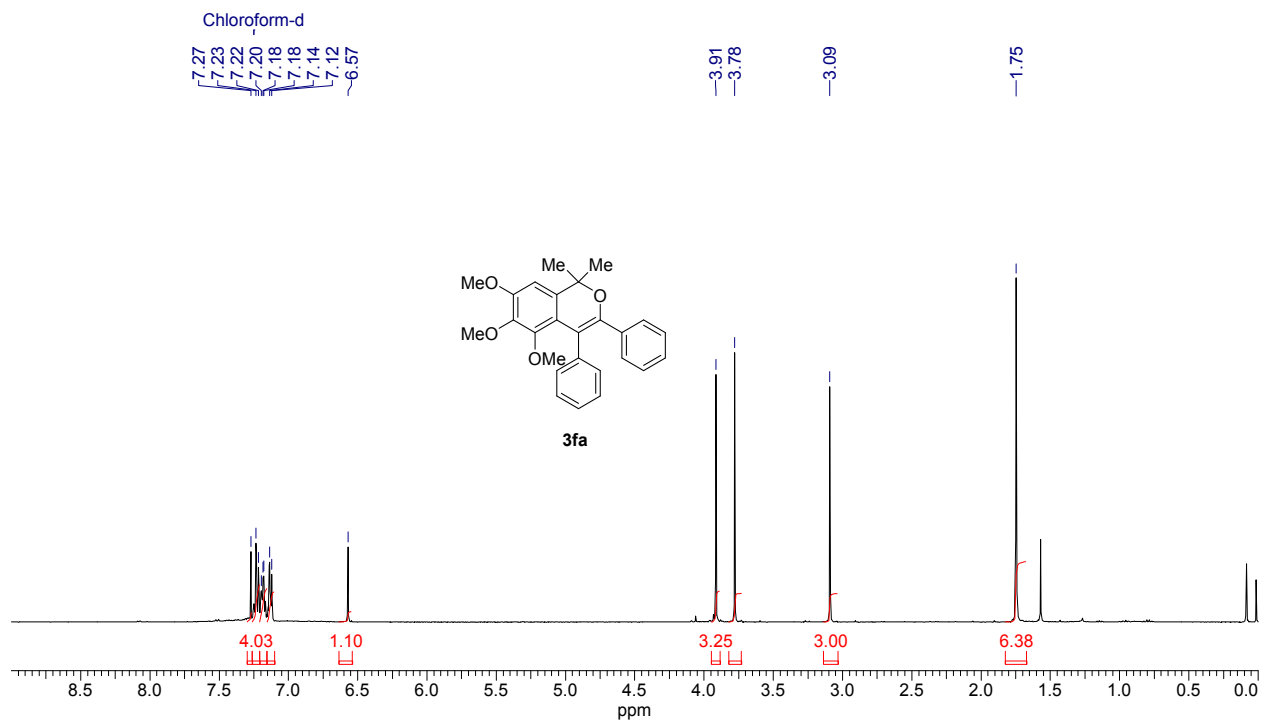




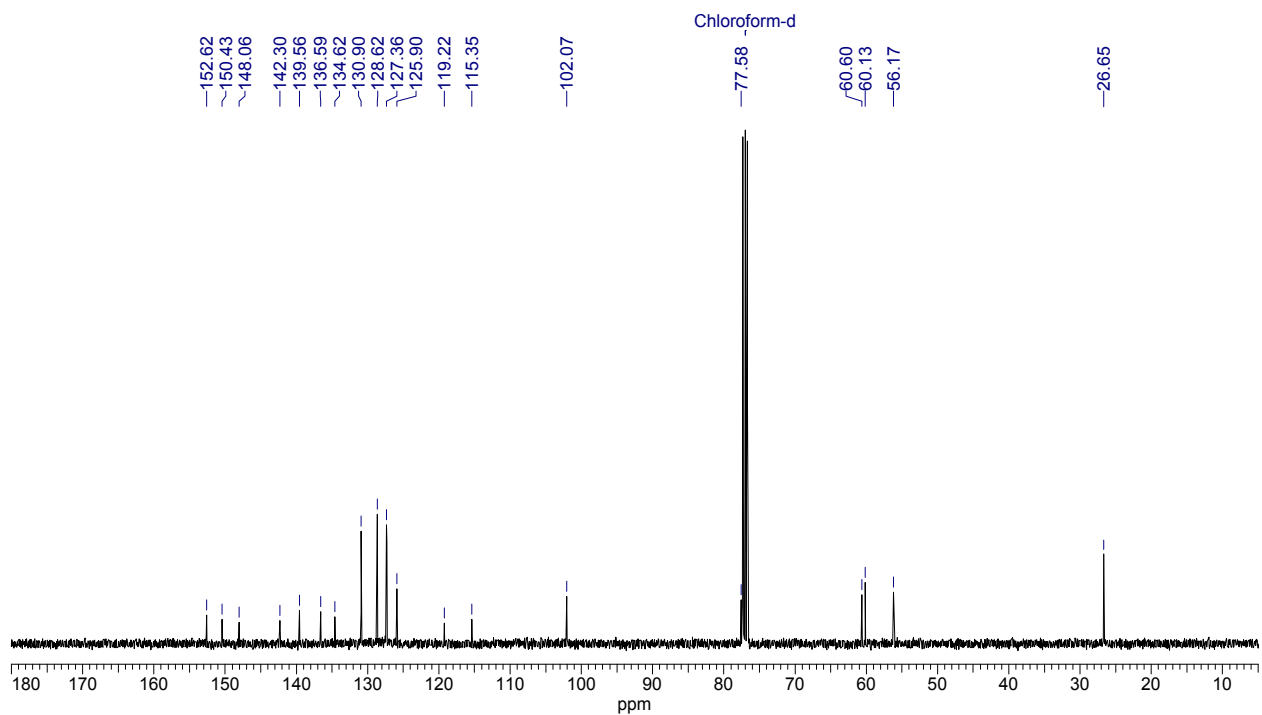
$^1\text{H-NMR}$ (400 MHz) spectrum of **3ef** in CDCl_3



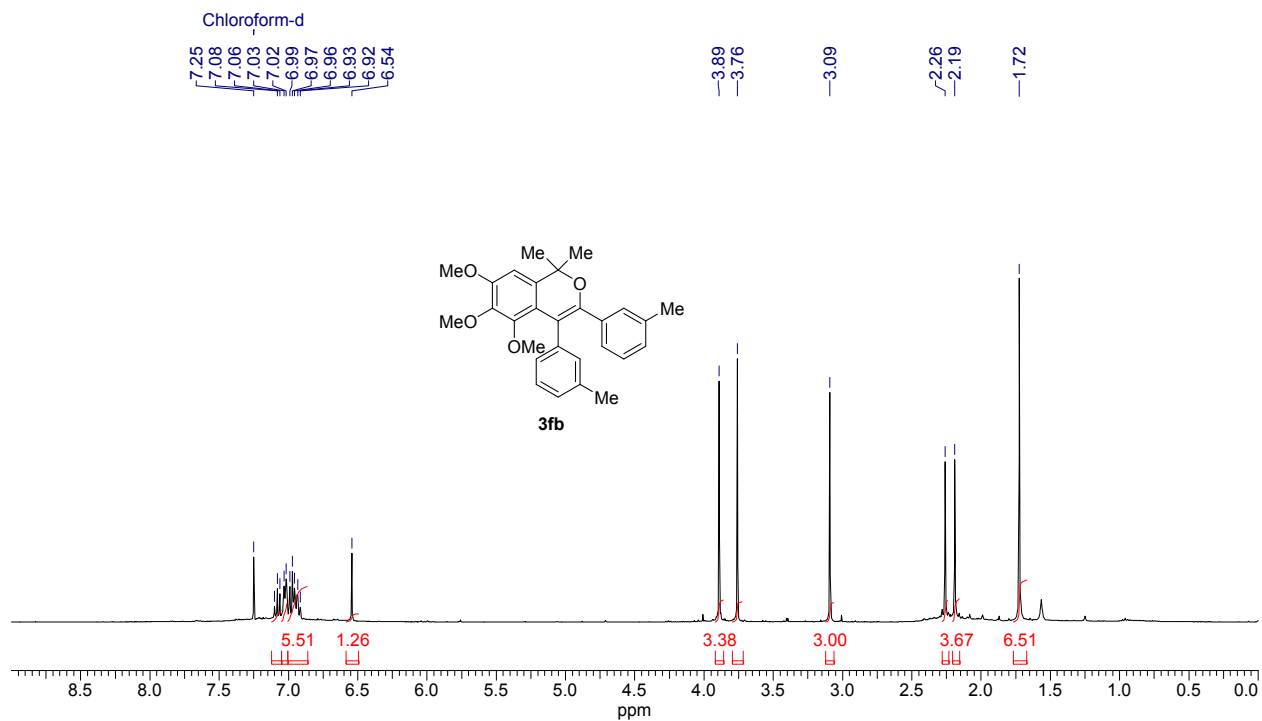
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3ef** in CDCl_3



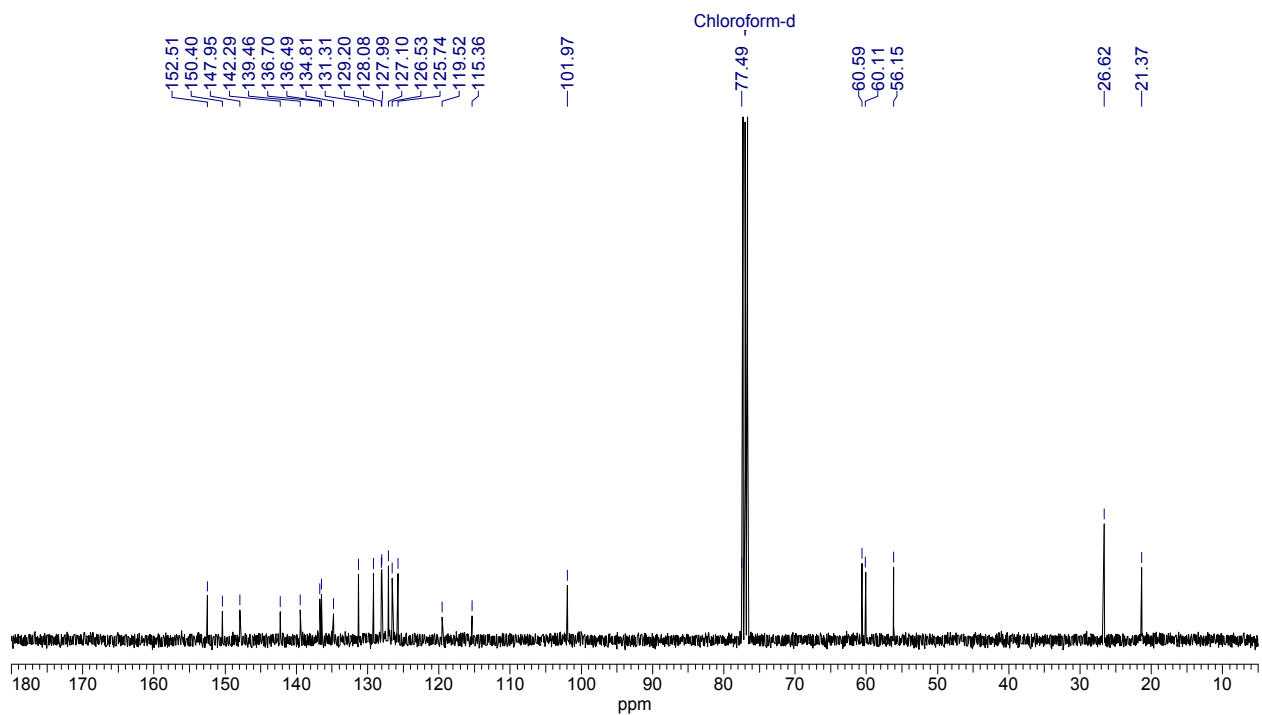
$^1\text{H-NMR}$ (400 MHz) spectrum of **3fa** in CDCl_3



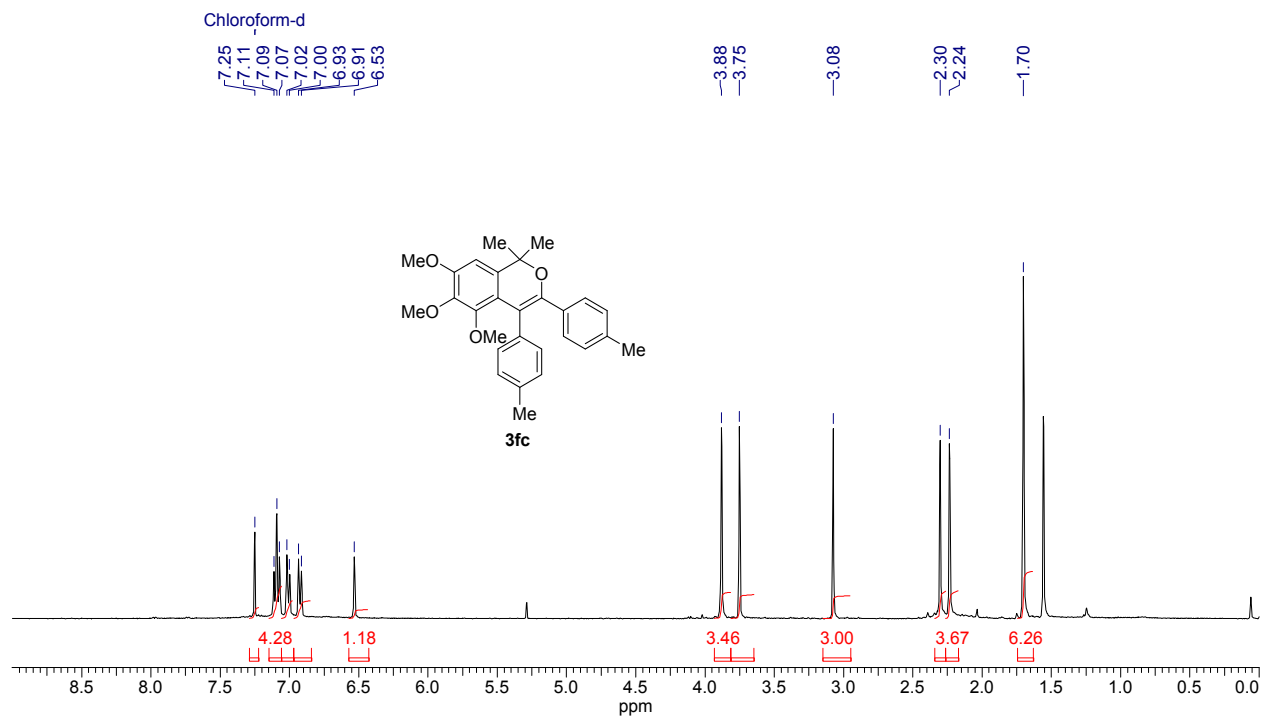
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3fa** in CDCl_3



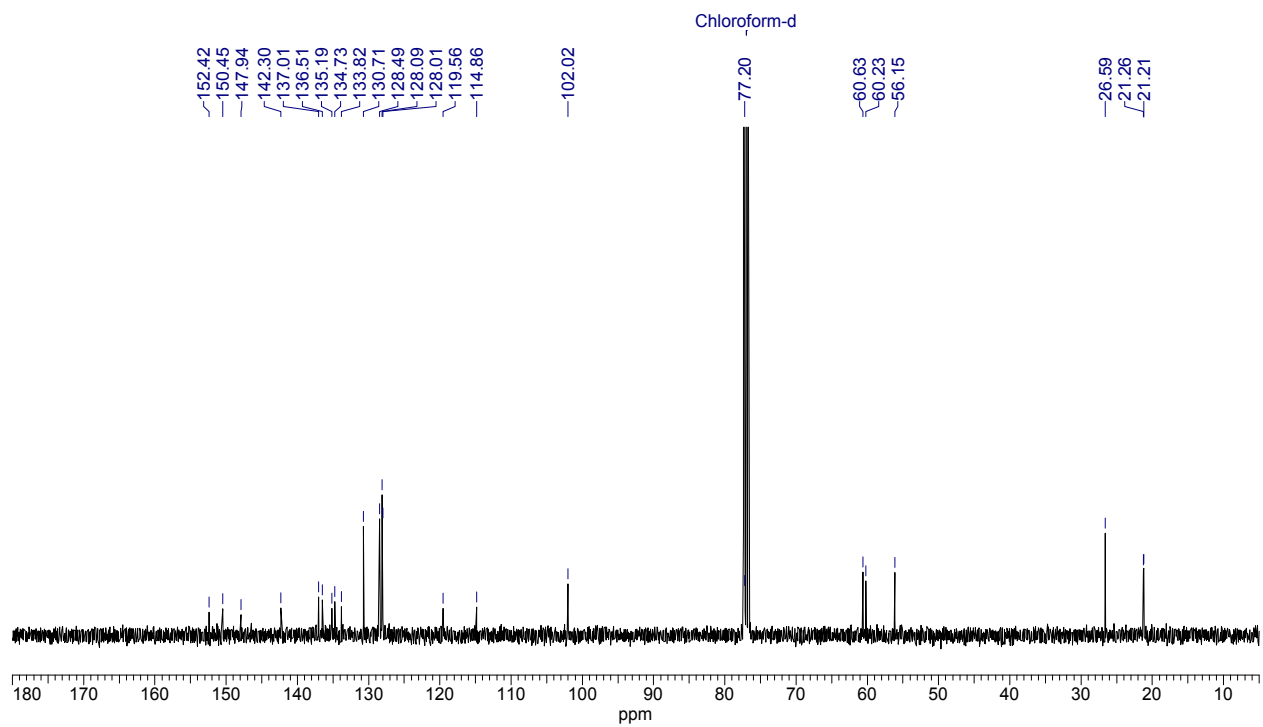
$^1\text{H-NMR}$ (400 MHz) spectrum of **3fb** in CDCl_3



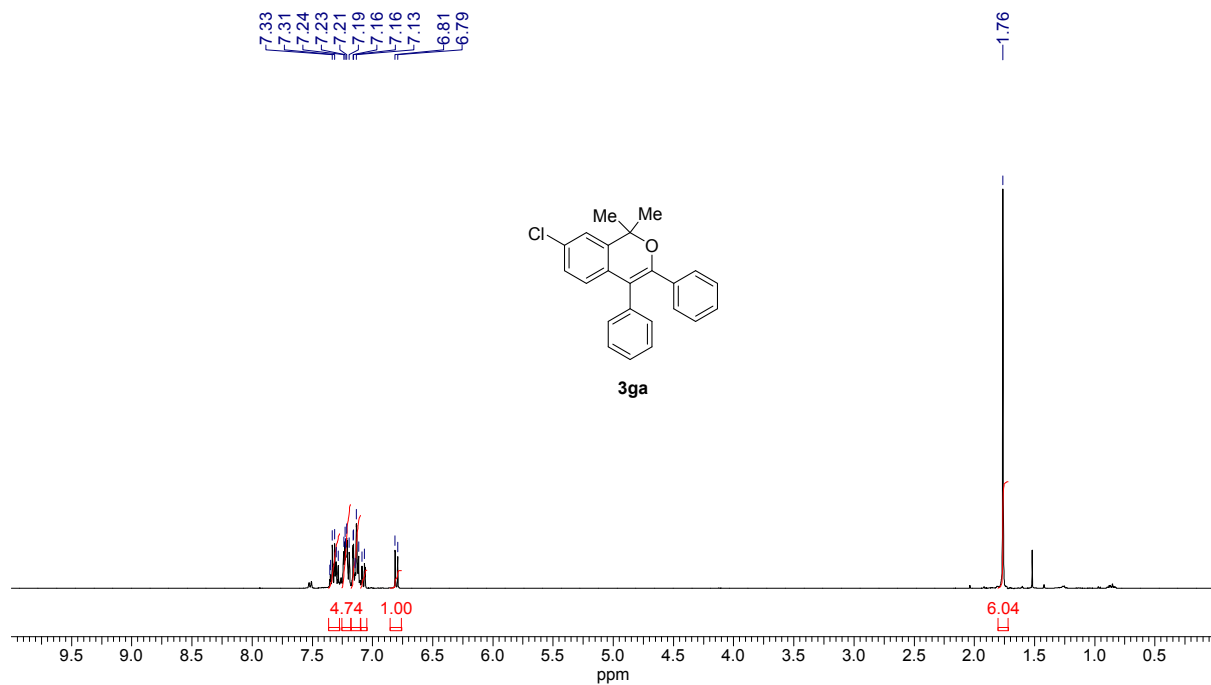
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3fb** in CDCl_3



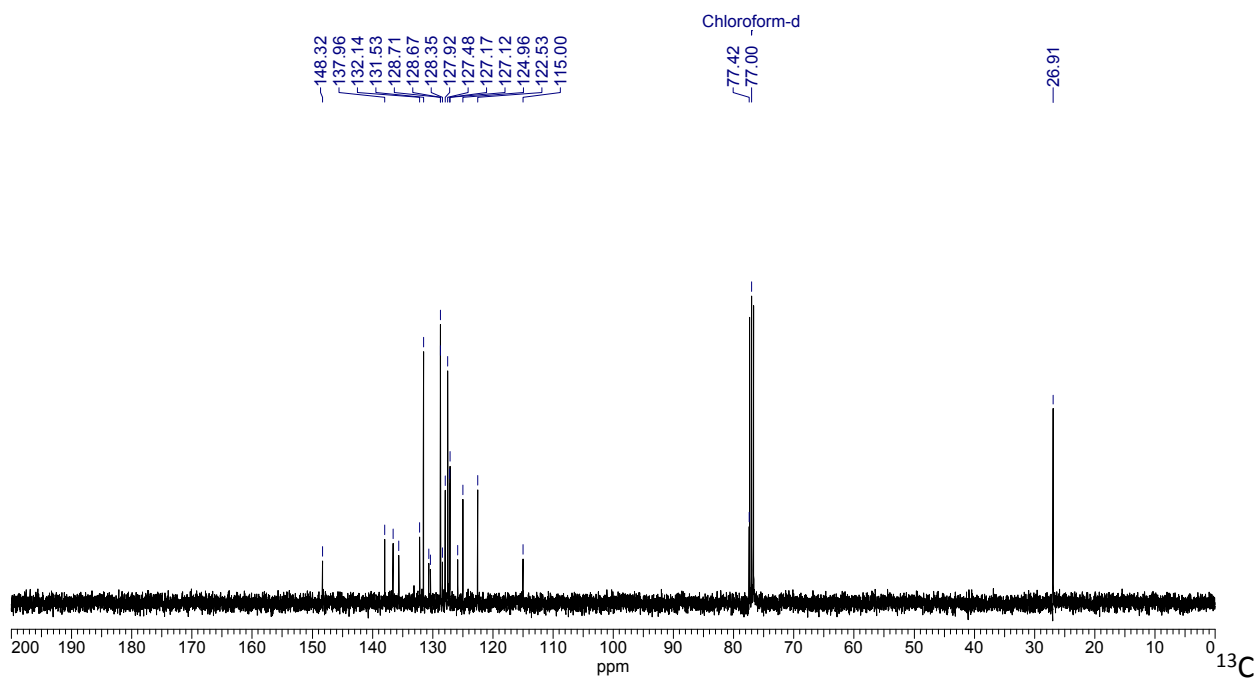
$^1\text{H-NMR}$ (400 MHz) spectrum of **3fc** in CDCl_3



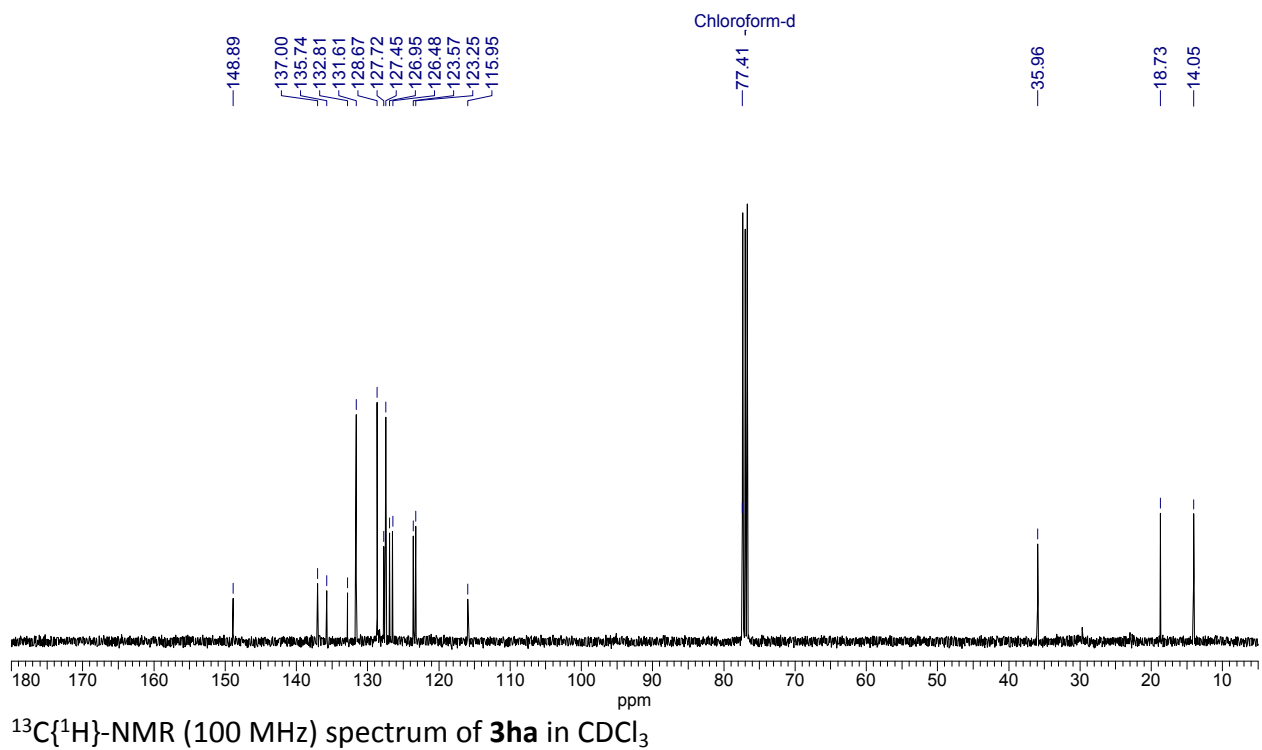
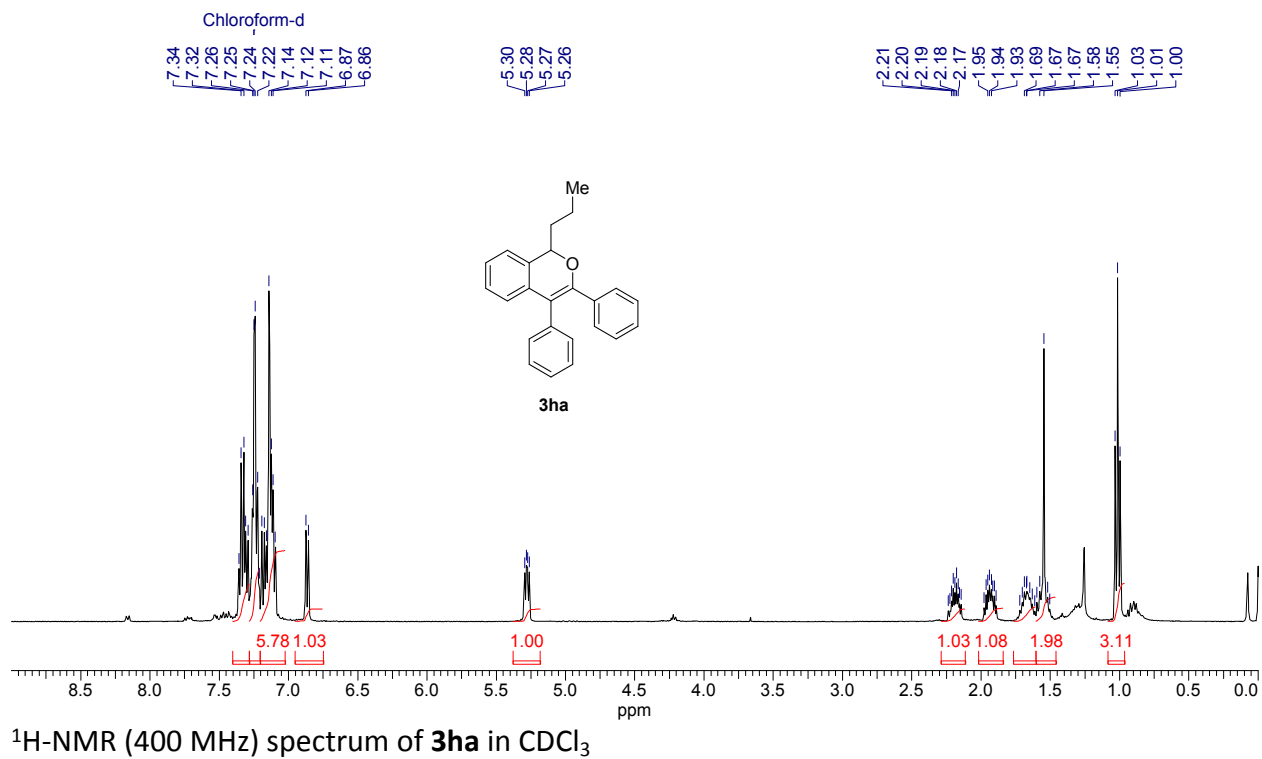
$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3fc** in CDCl_3

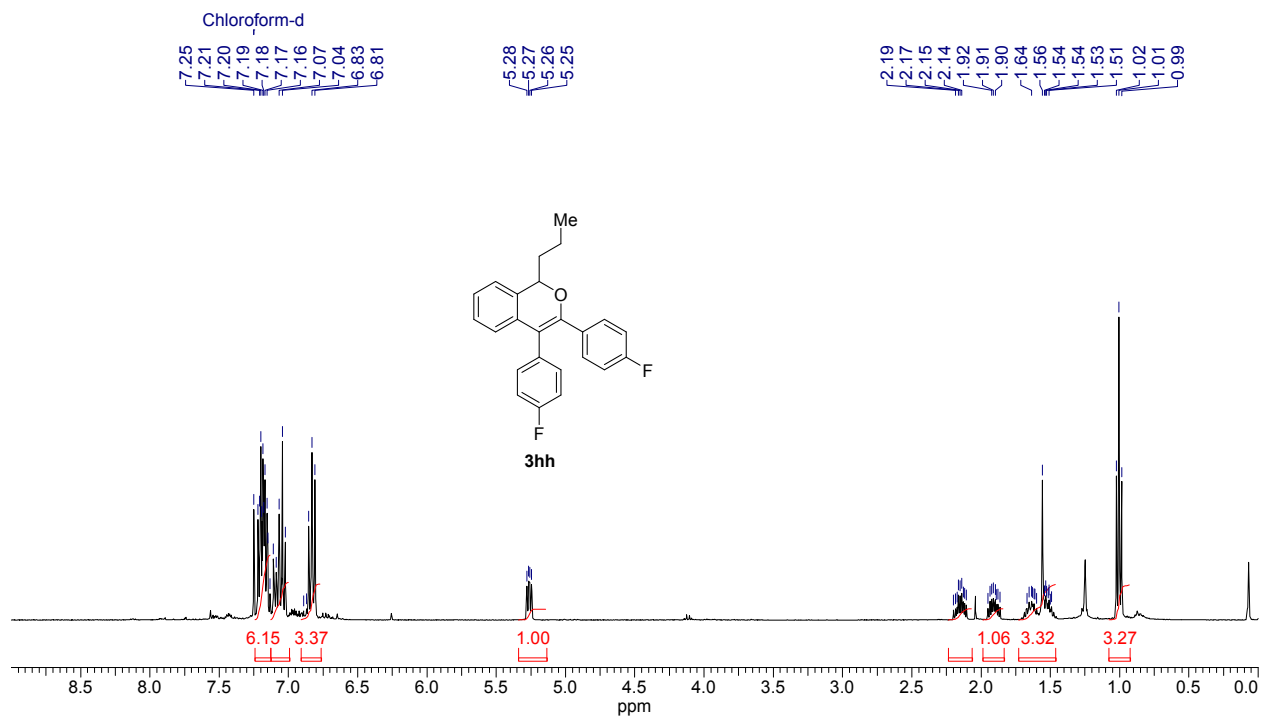


¹H-NMR (400 MHz) spectrum of **3ga** in CDCl₃

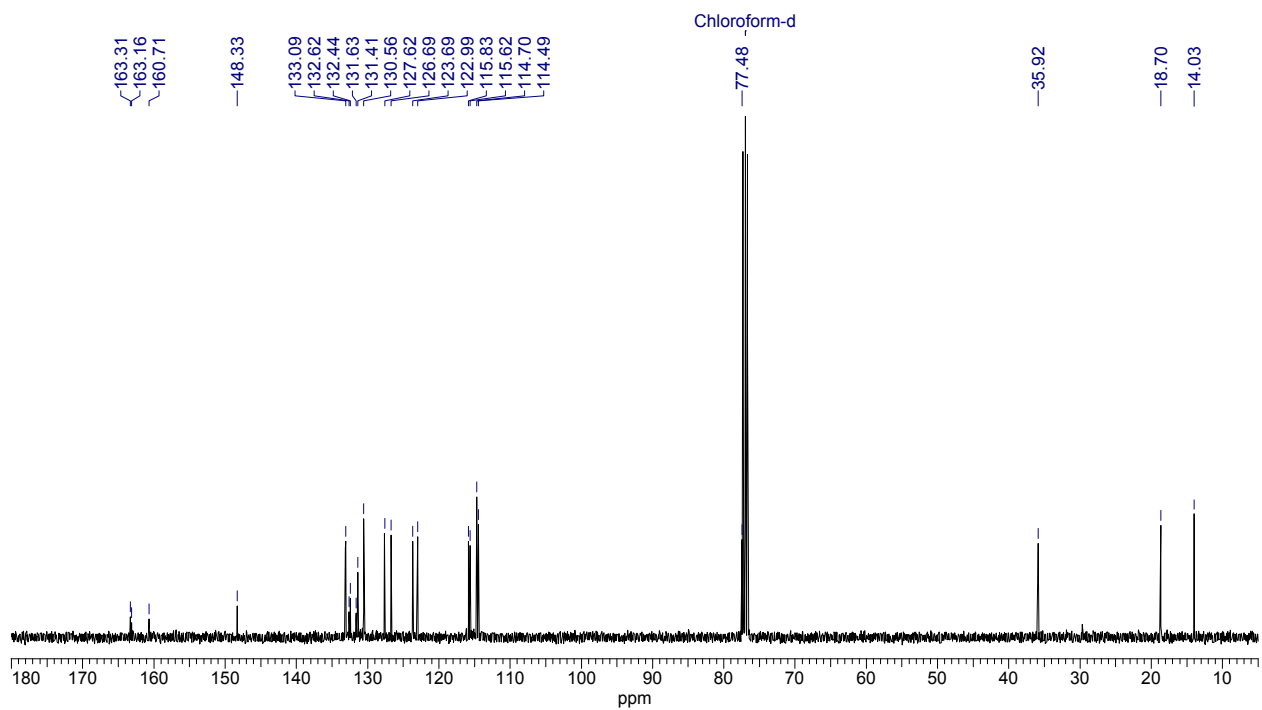


{¹H}-NMR (100 MHz) spectrum of **3ga** in CDCl₃





$^1\text{H-NMR}$ (400 MHz) spectrum of **3hh** in CDCl_3



$^{13}\text{C}\{^1\text{H}\}$ -NMR (100 MHz) spectrum of **3hh** in CDCl_3