**Supporting Information**

**for**

# Copper-Promoted Cross-Coupling Reactions for the Synthesis of Aryl(difluoromethyl)phosphonates Using Trimethylsilyl(difluoromethyl)phosphonate

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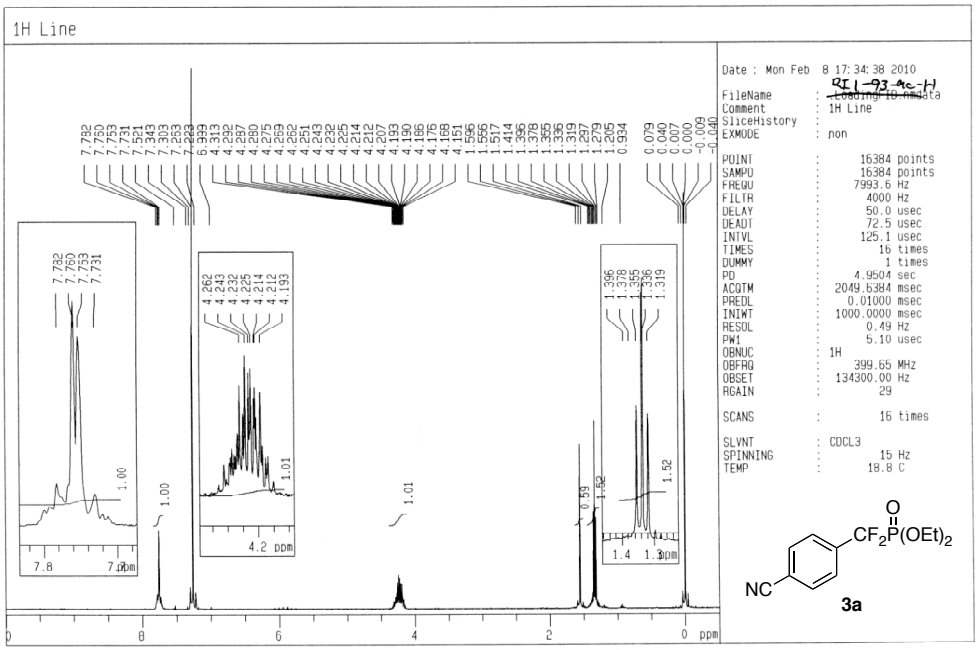
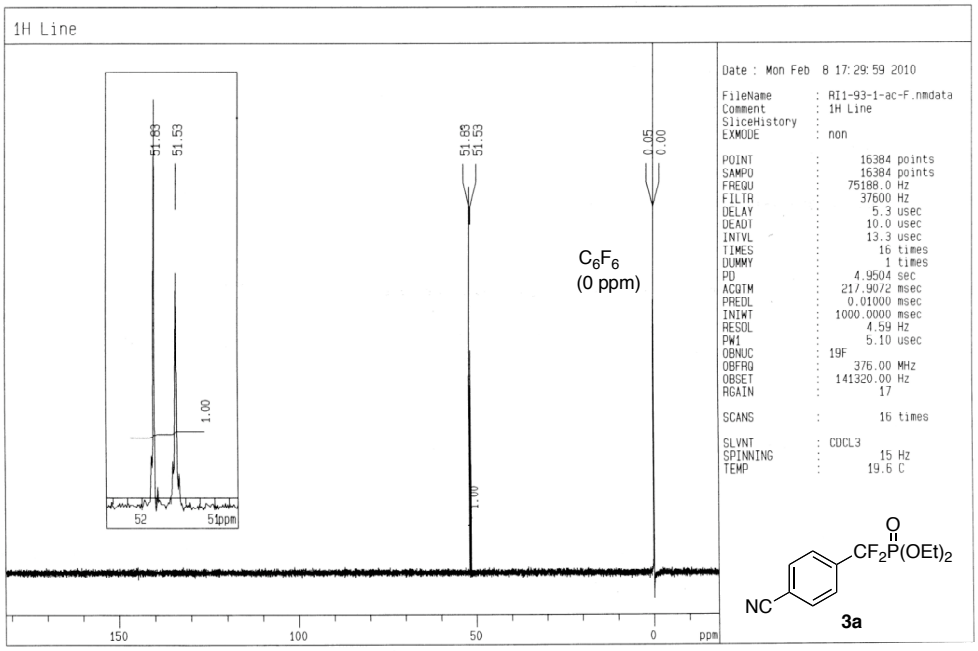
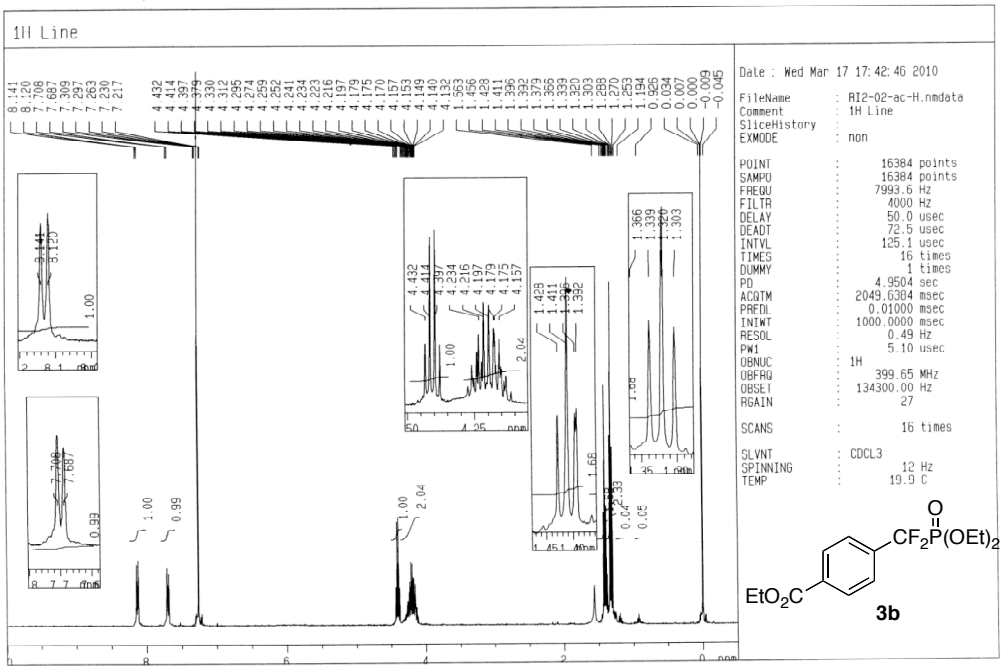
$^{1}$H NMR Spectrum of diethyl (4-cyanophenyl)difluoromethylphosphonate (**3a)**



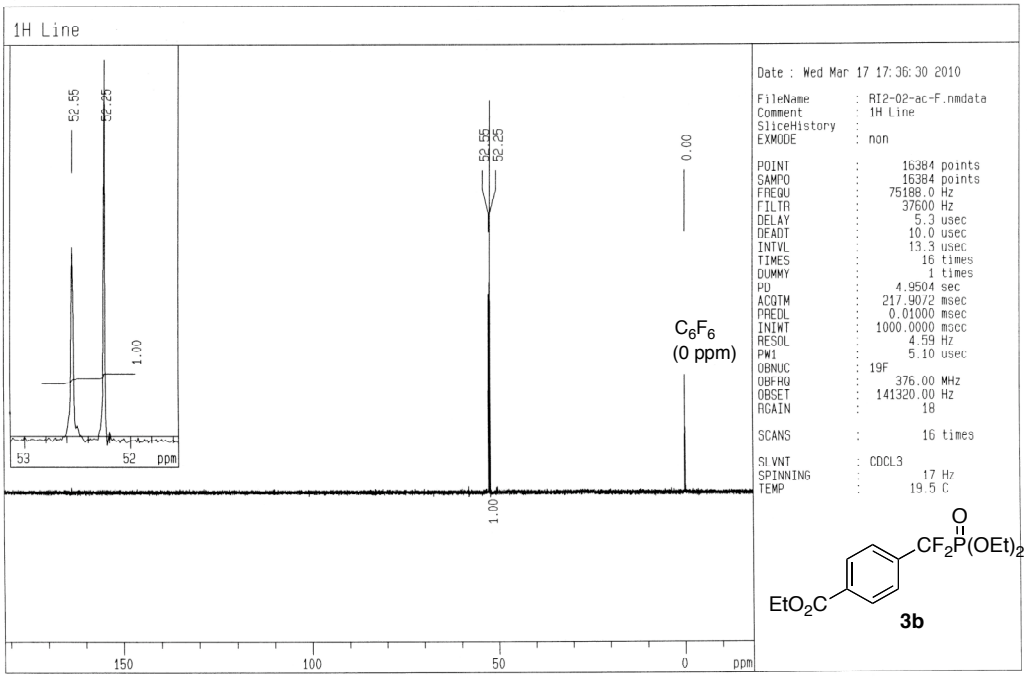

$^{19}$F NMR Spectrum of diethyl (4-cyanophenyl)difluoromethylphosphonate (**3a**)



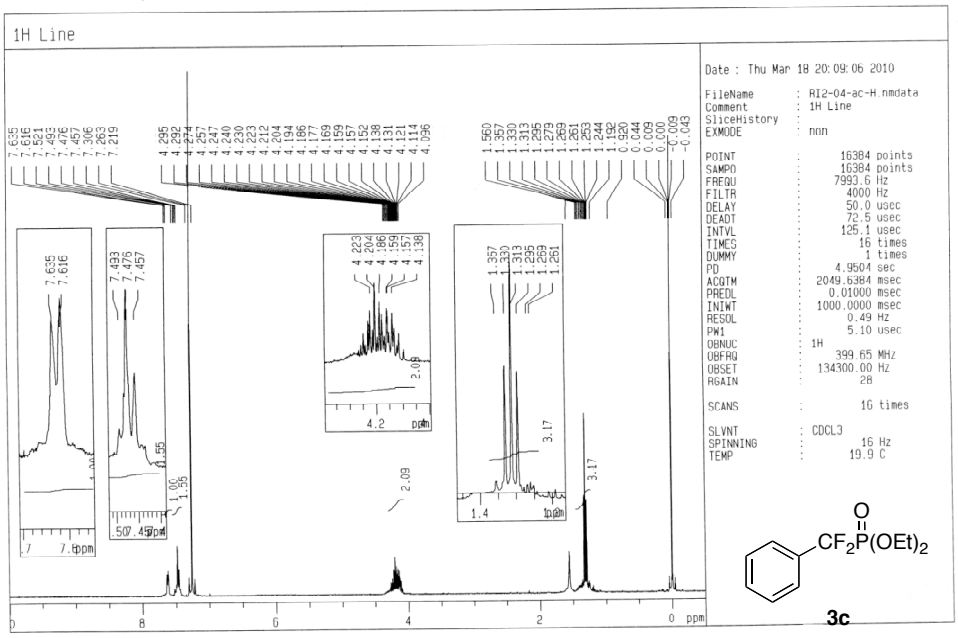
$^{1}$H NMR Spectrum of ethyl 4-[(diethoxyphosphoryl[difluoromethyl)benzoate (**3b**)



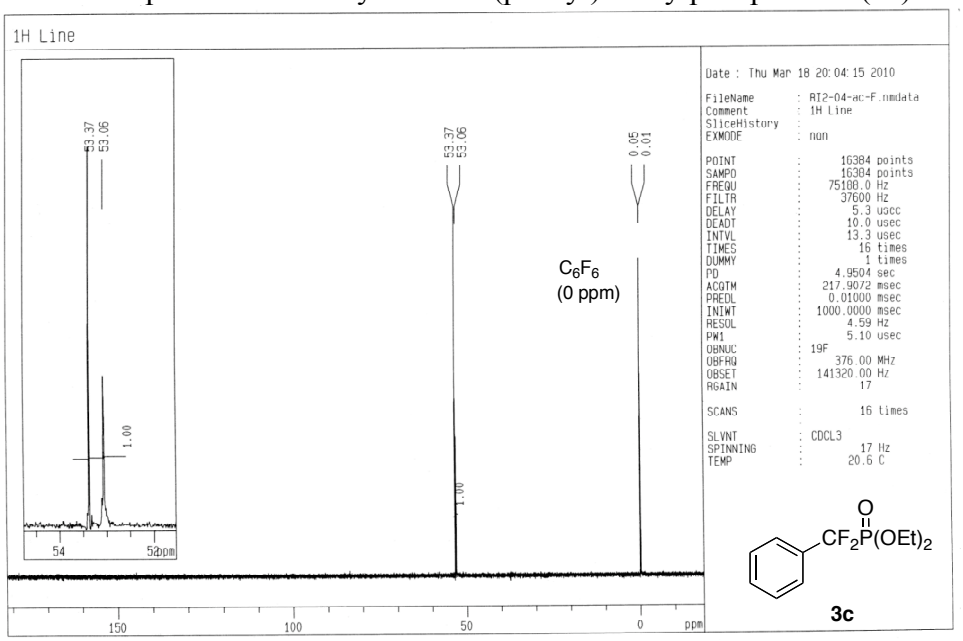

$^{19}$F NMR Spectrum of ethyl 4-[(diethoxyphosphoryl)difluoromethyl)benzoate (**3b**)



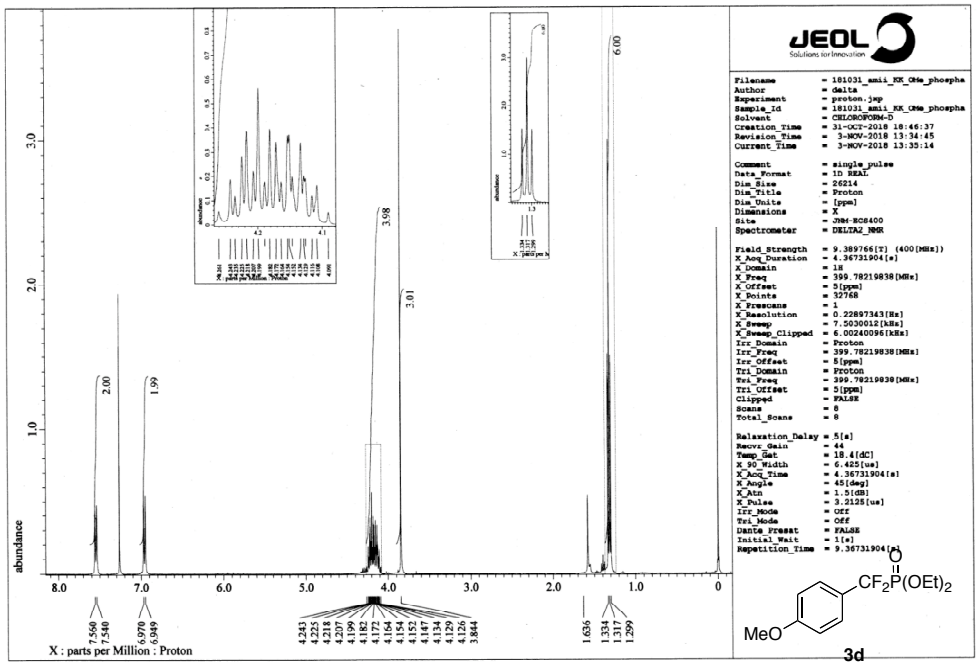
$^{1}$H NMR Spectrum of diethyl difluoro(phenyl)methylphosphonate (**3c)**



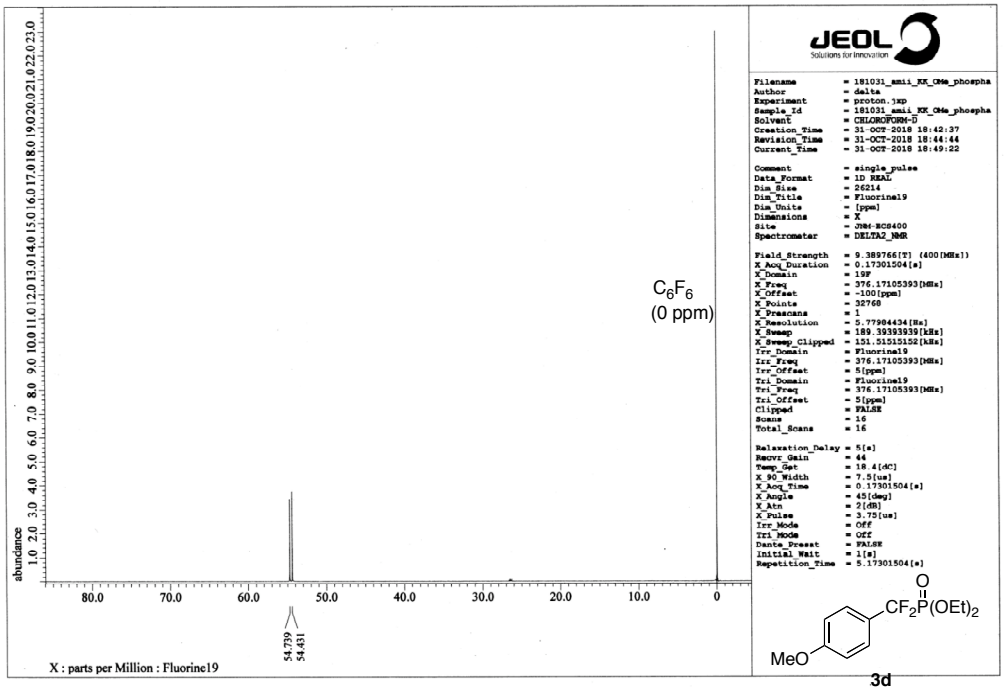

$^{19}$F NMR Spectrum of diethyl difluoro(phenyl)methylphosphonate (**3c**)



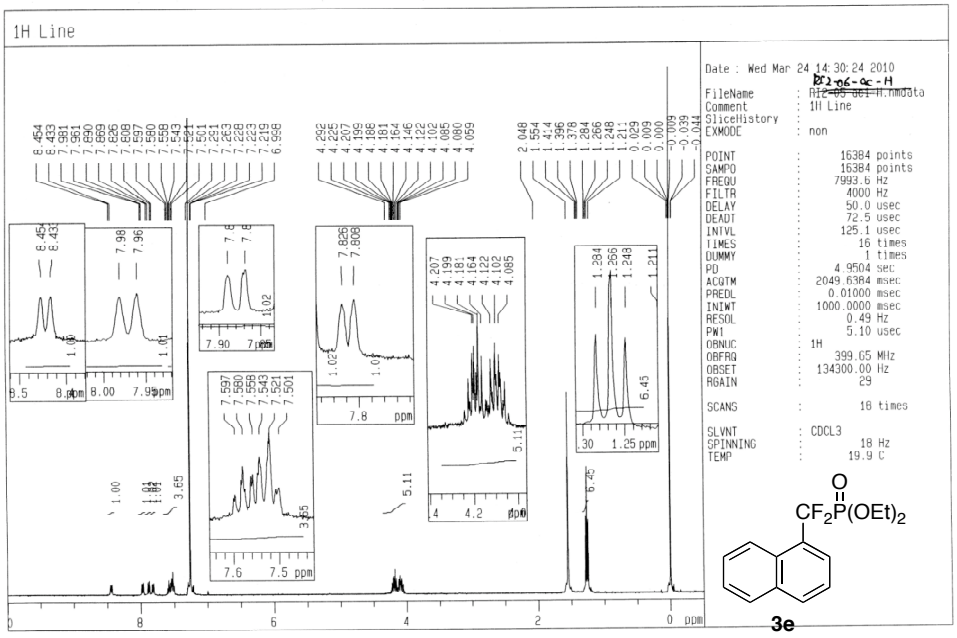
$^{1}$H NMR Spectrum of diethyl (4-methoxyphenyl)difluoromethylphosphonate (**3d**)



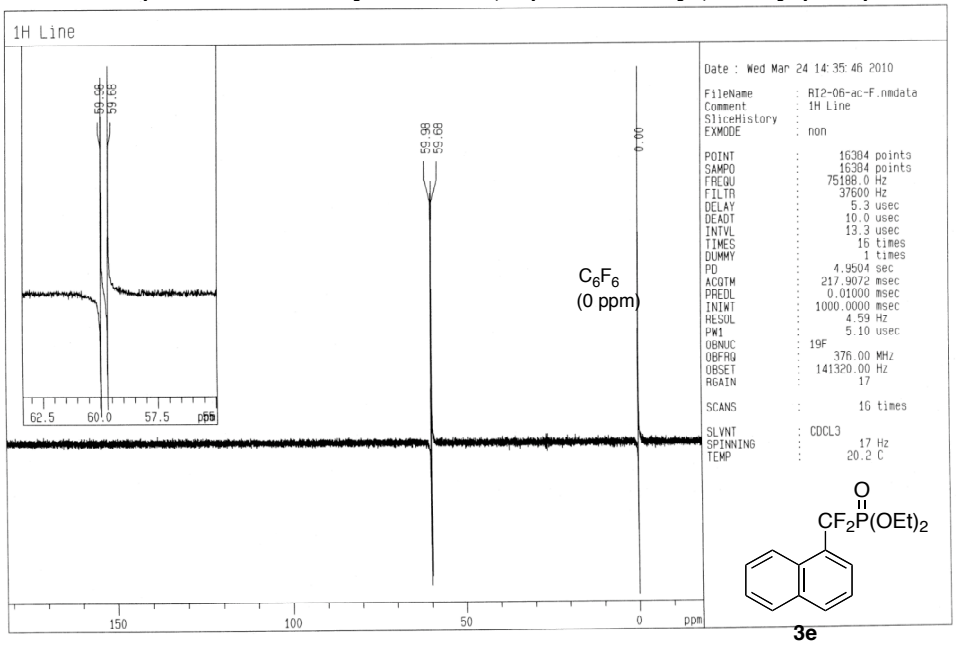

$^{19}$F NMR Spectrum of diethyl (4-methoxyphenyl)difluoromethylphosphonate (**3d**)



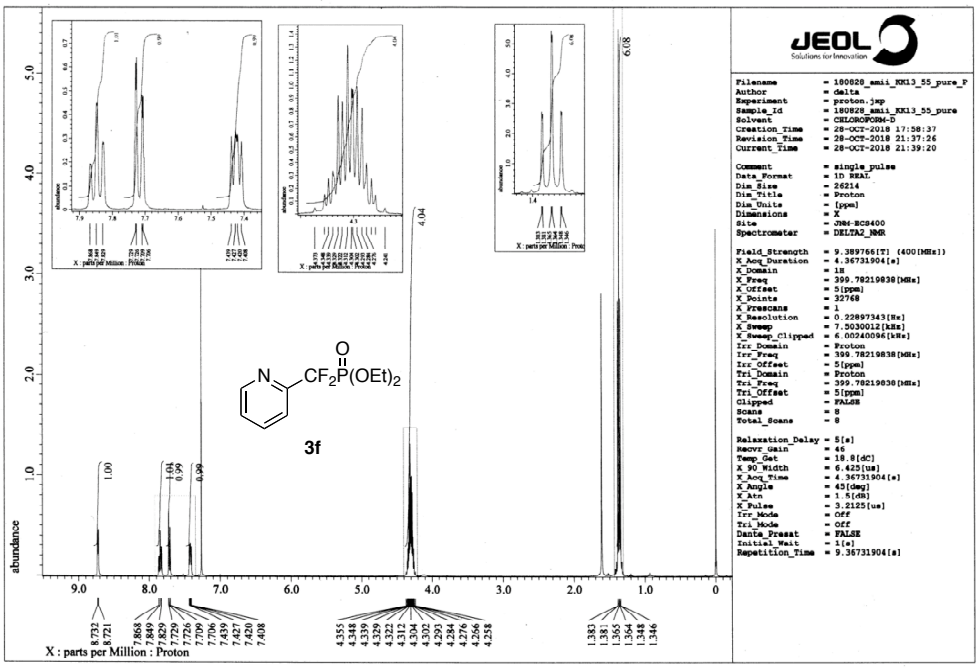
$^{1}$H NMR Spectrum of diethyl difluoro(naphthalen-1-yl)methylphosphonate (**3e**)



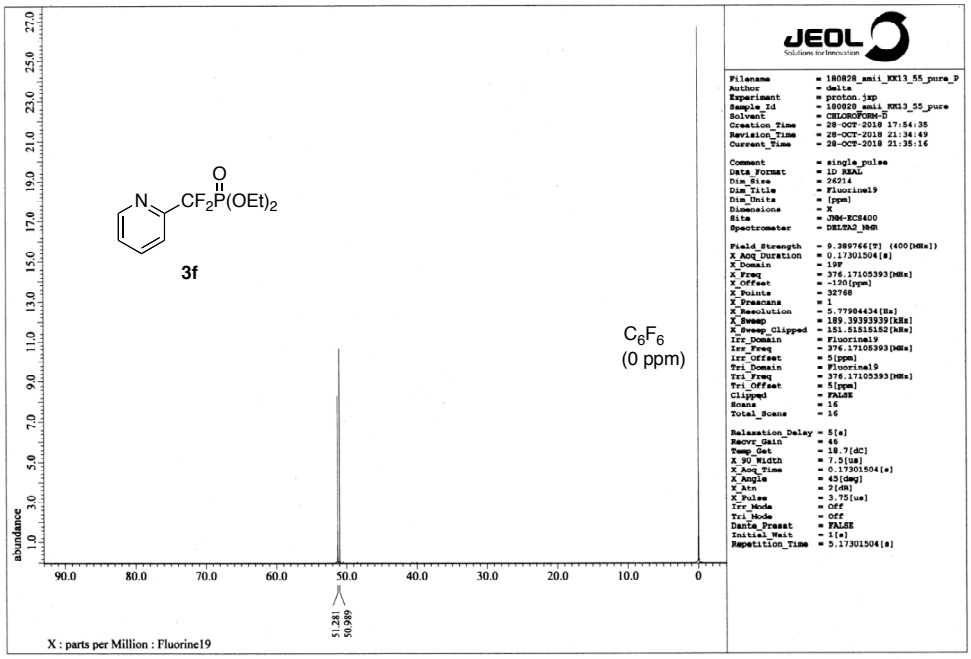

$^{19}$F NMR Spectrum of diethyl difluoro(naphthalen-1-yl)methylphosphonate (**3e**)



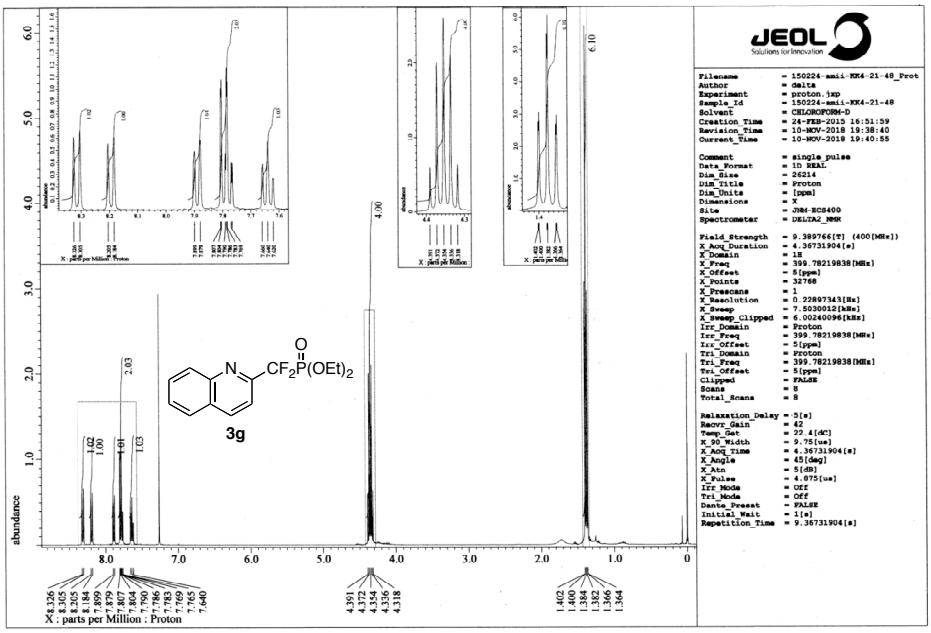
$^{1}$H NMR Spectrum of diethyl difluoro(pyridin-2-yl)methylphosphonate (**3f**)



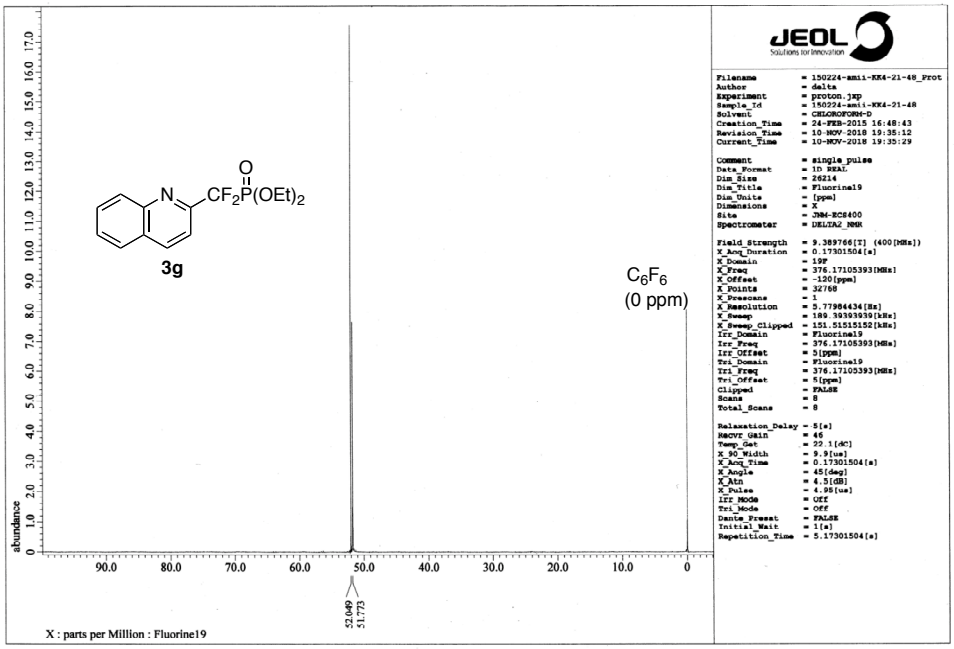

$^{19}$F NMR Spectrum of diethyl difluoro(pyridin-2-yl)methylphosphonate (**3f**)



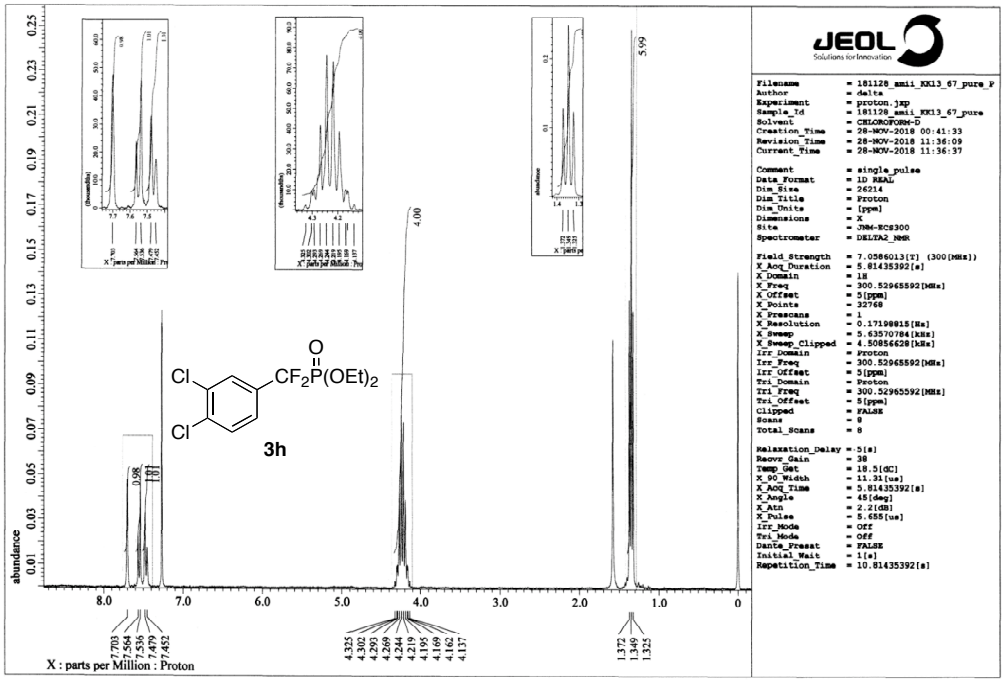
$^{1}$H NMR Spectrum of diethyl difluoro(quinolin-2-yl)methylphosphonate (**3g**)



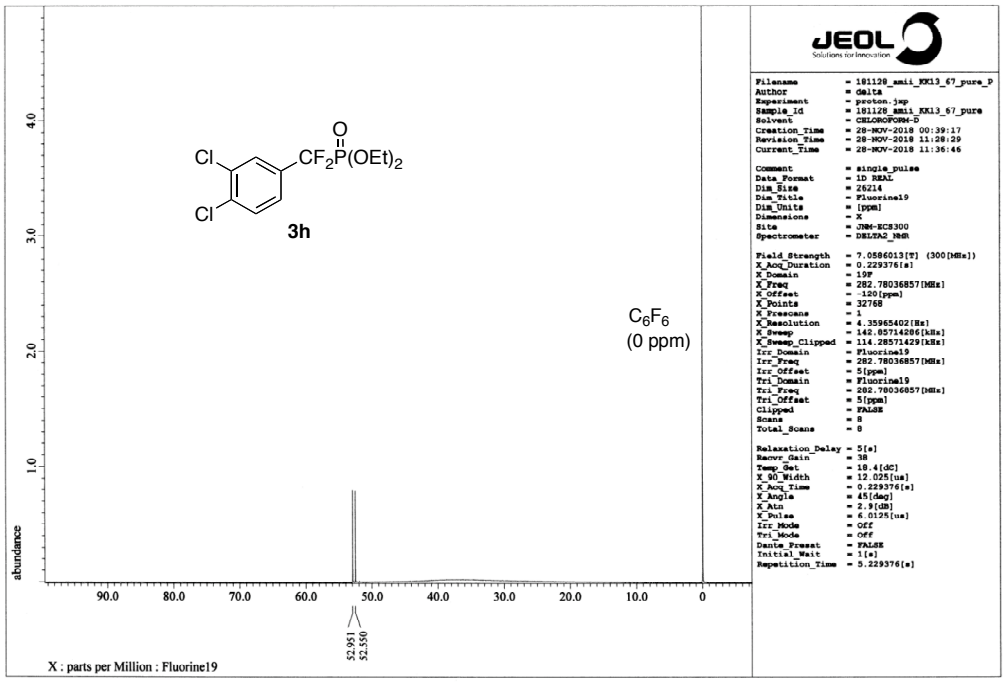

$^{19}$F NMR Spectrum of diethyl difluoro(quinolin-2-yl)methylphosphonate (**3g**)



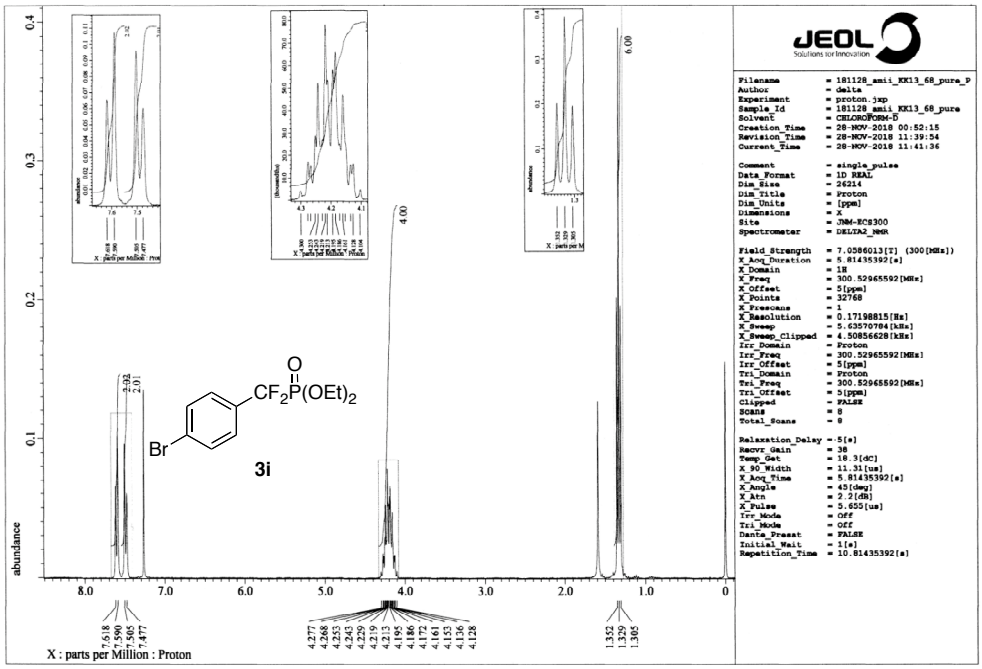
$^{1}$H NMR Spectrum of diethyl (3,4-dichlorophenyl)difluoromethylphosphonate (**3h**)

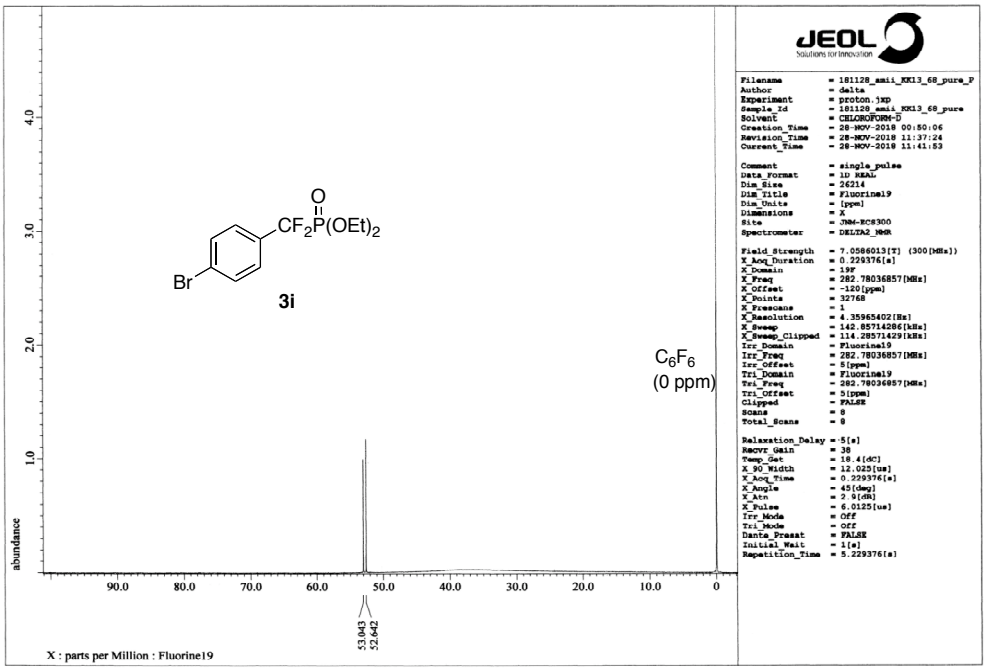



$^{19}$F NMR Spectrum of diethyl (3,4-dichlorophenyl)difluoromethylphosphonate (**3h**)



$^{1}$H NMR Spectrum of diethyl (4-bromophenyl)difluoromethylphosphonate (**3i**)




$^{19}$F NMR Spectrum of diethyl (4-bromophenyl)difluoromethylphosphonate (**3i**)