

Synthesis and evaluation of self-assembling properties of 3-(3,5-difluoro-3,5-bis((alkoxy)carbonyl)-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodides

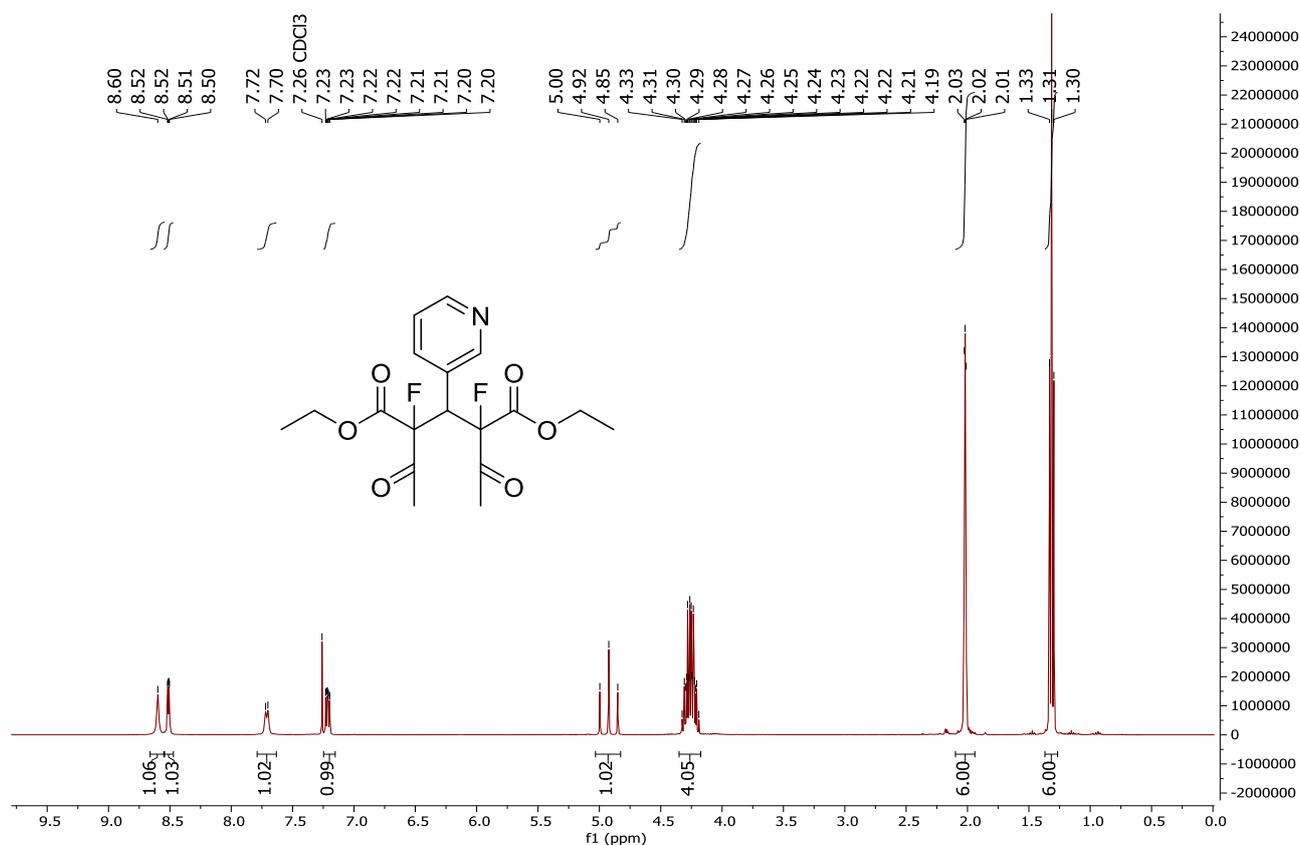
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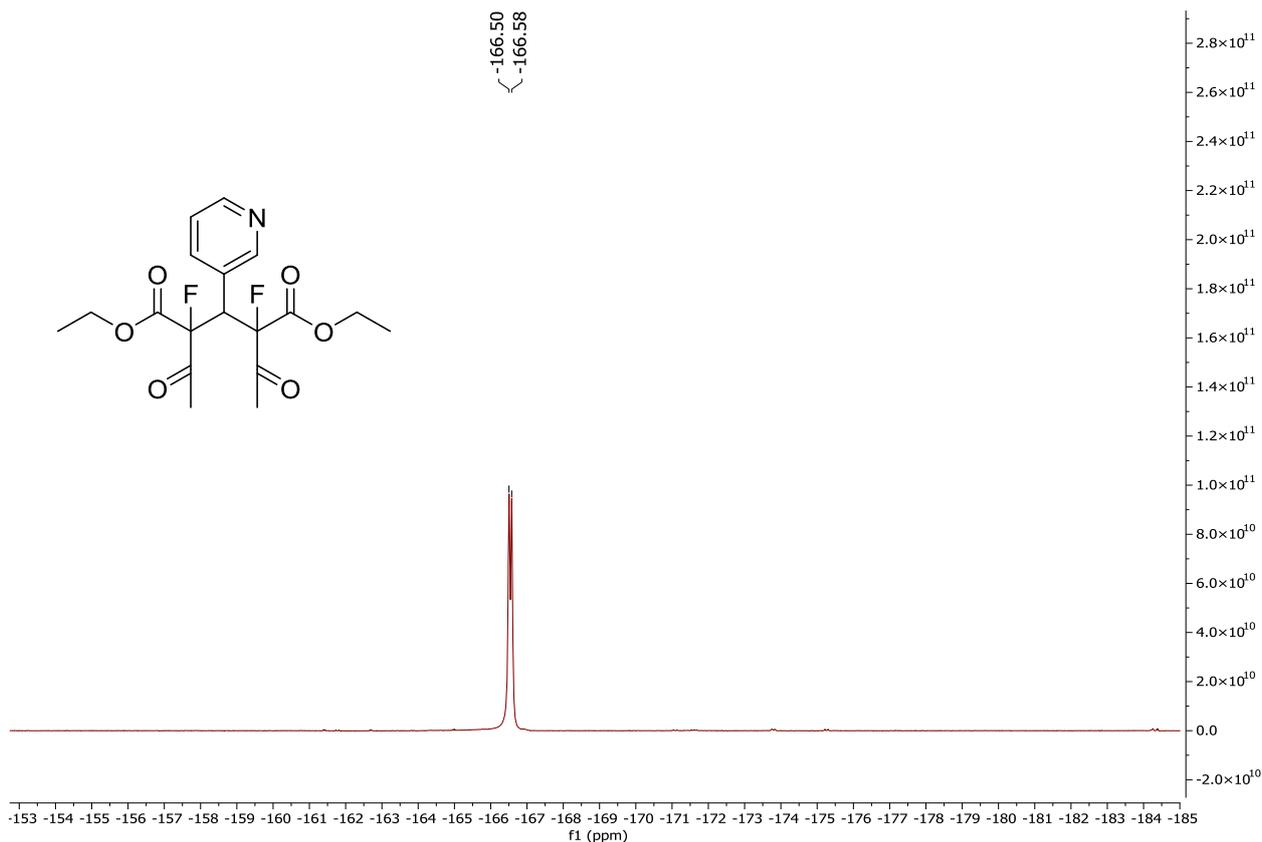
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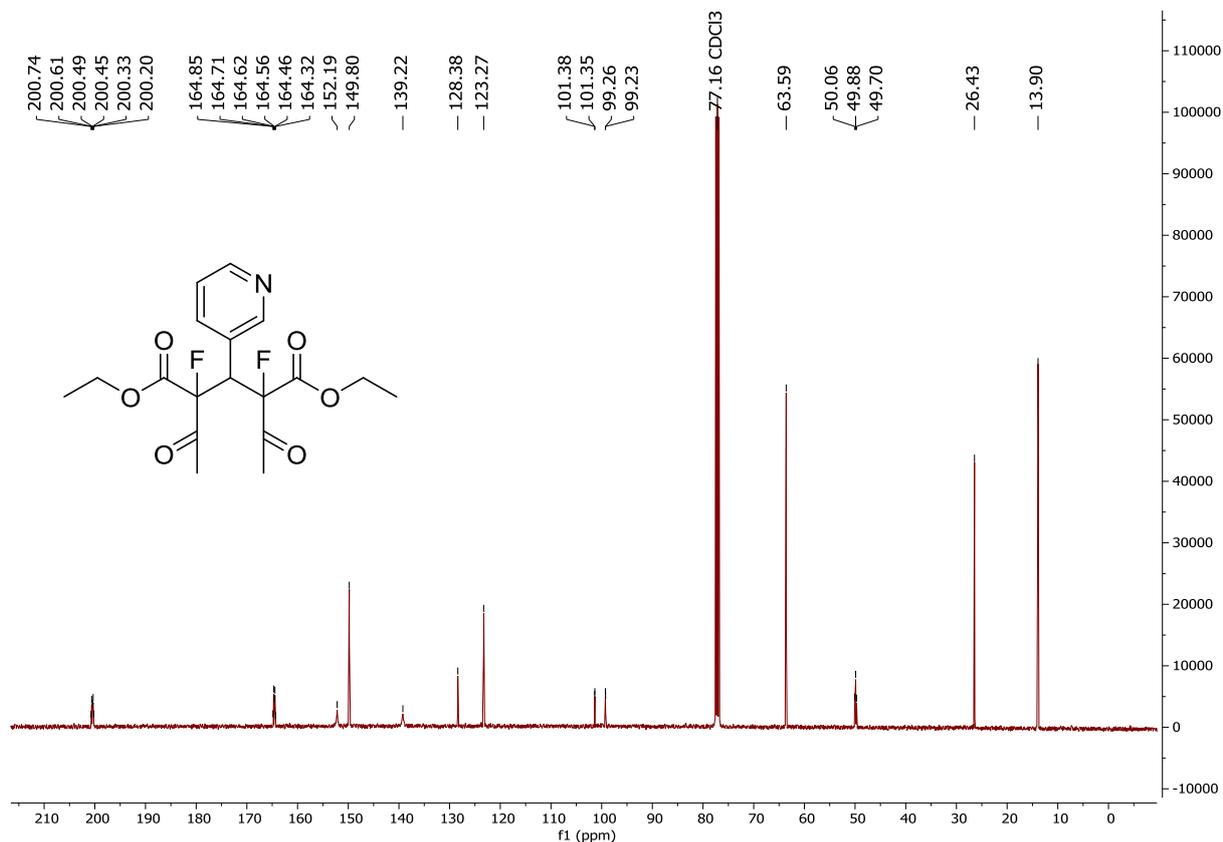
¹H NMR spectrum of diethyl 2,4-diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3a**)



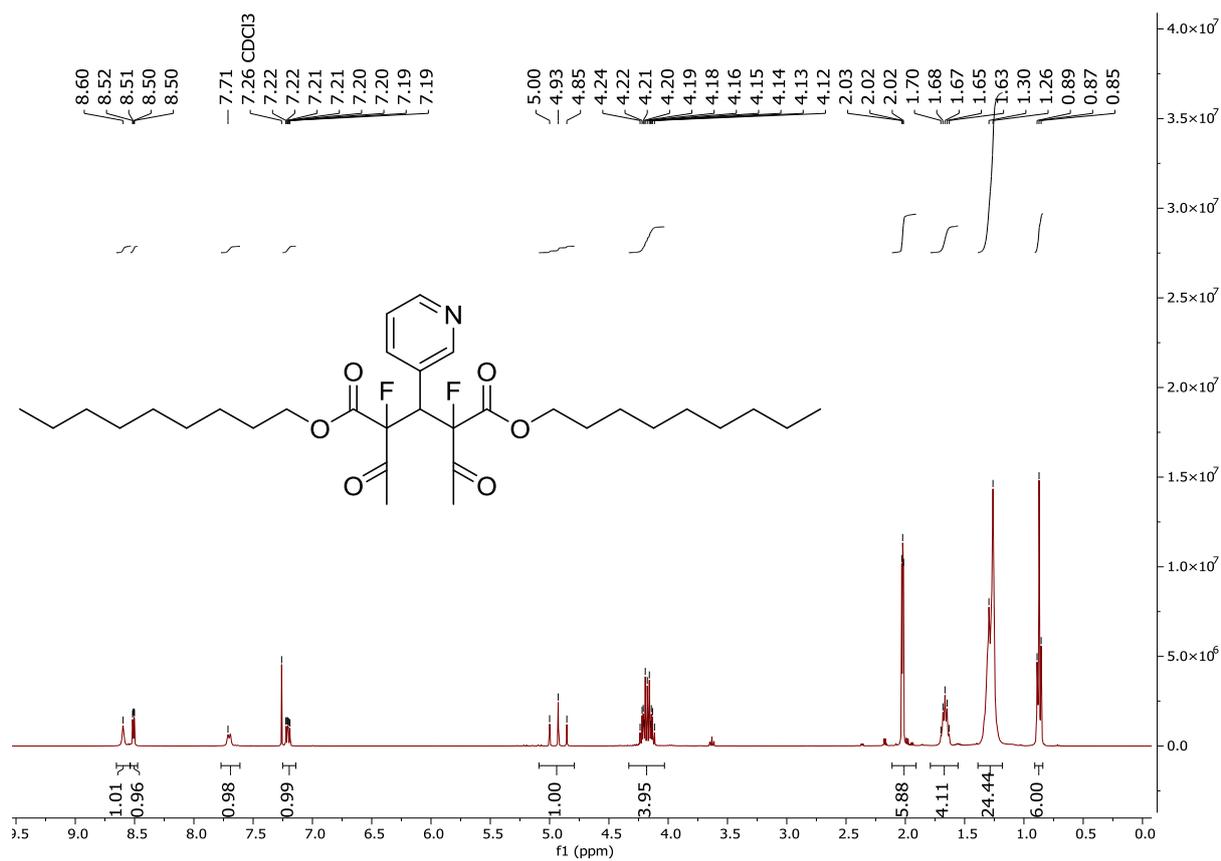
^{19}F NMR spectrum of diethyl 2,4-diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3a**)



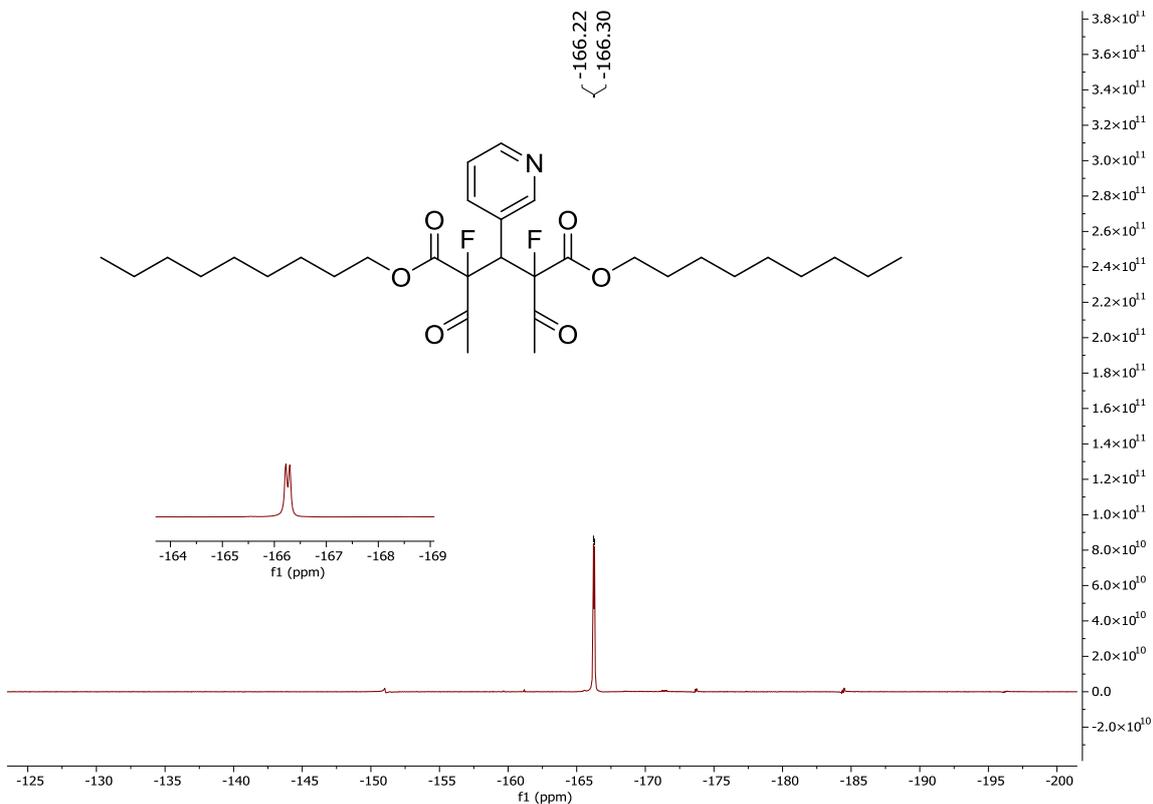
^1H NMR spectrum of diethyl 2,4-diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3a**)



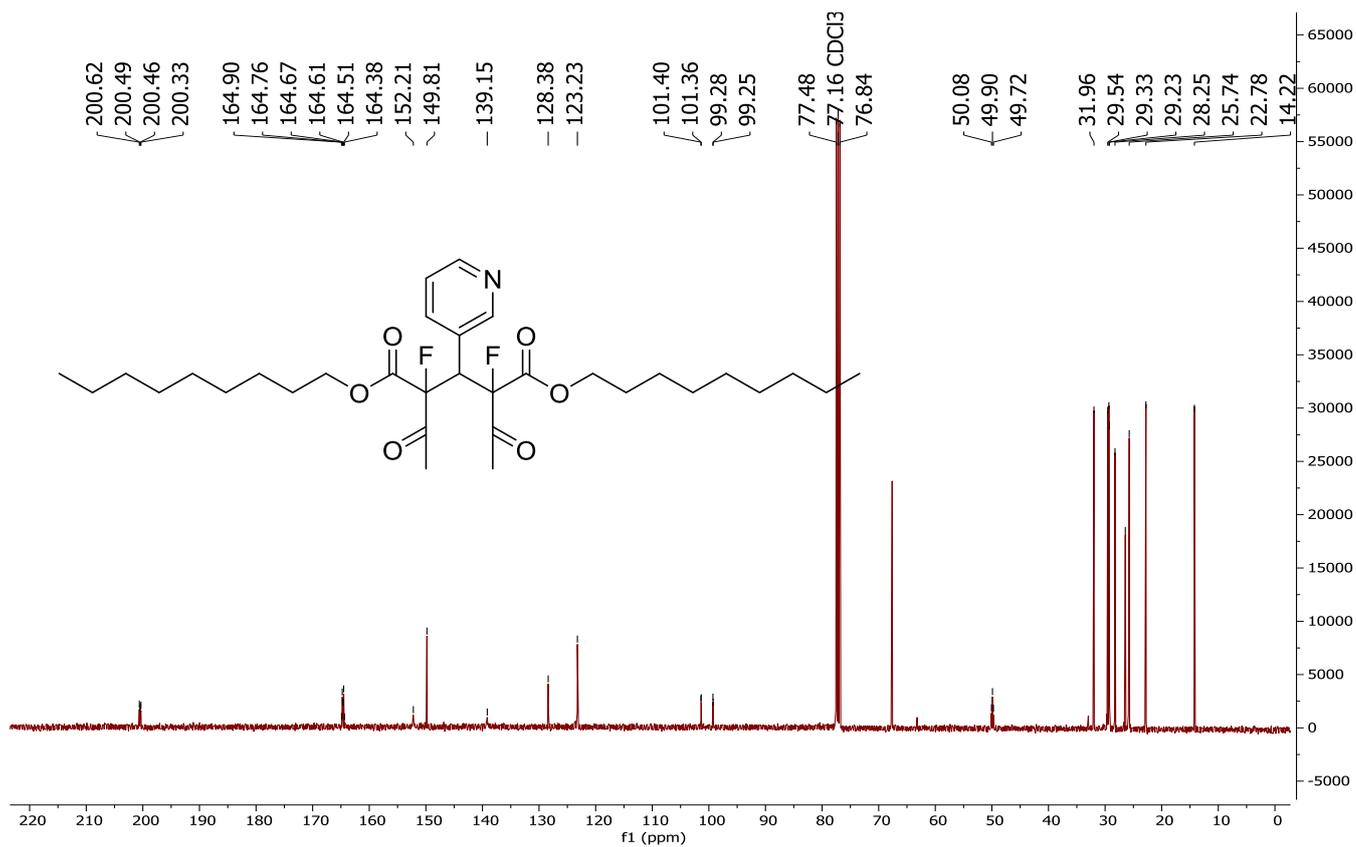
¹H NMR spectrum of dinonyl 2,4-diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3b**)



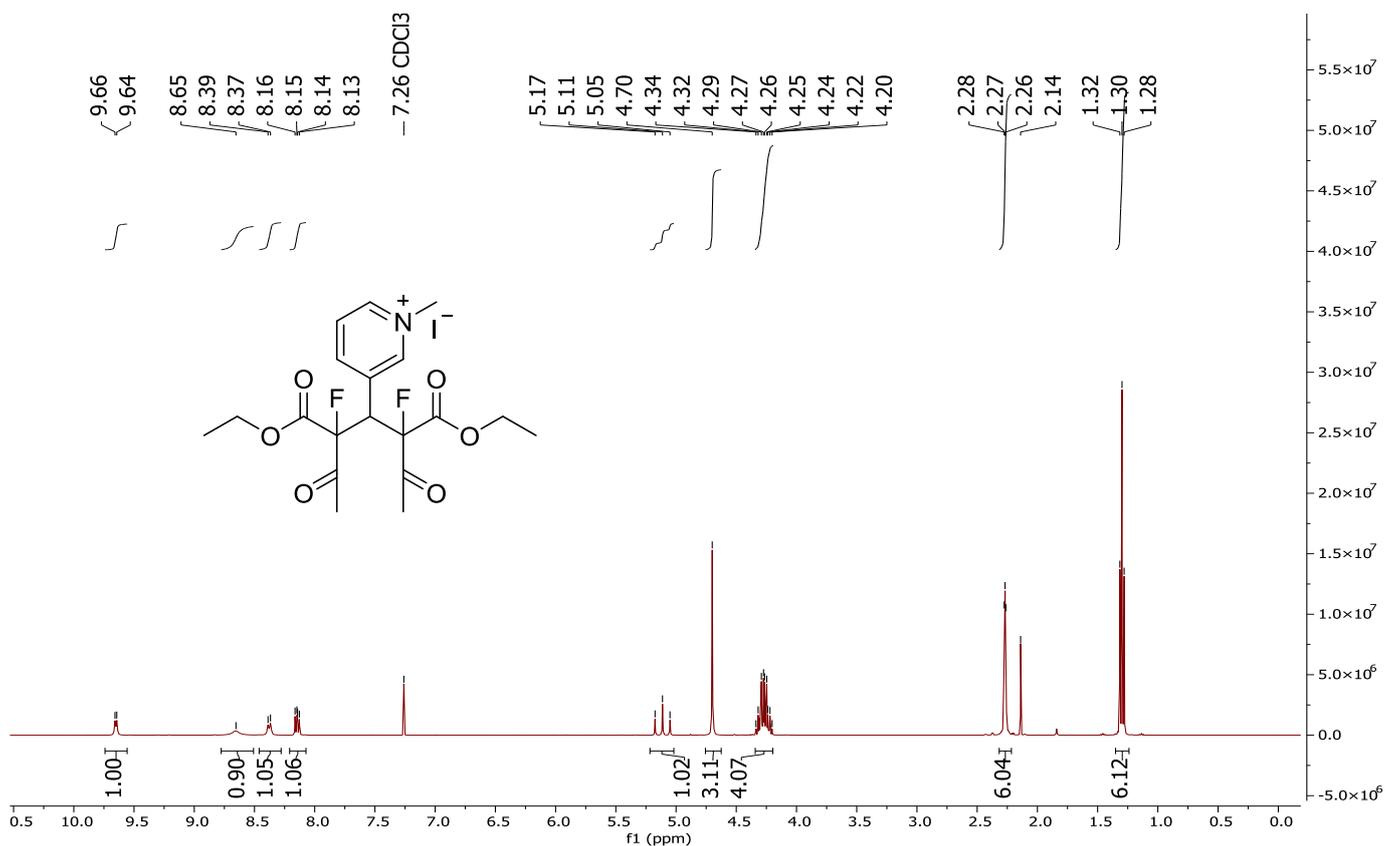
¹⁹F NMR spectrum of dinonyl 2,4-diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3b**)



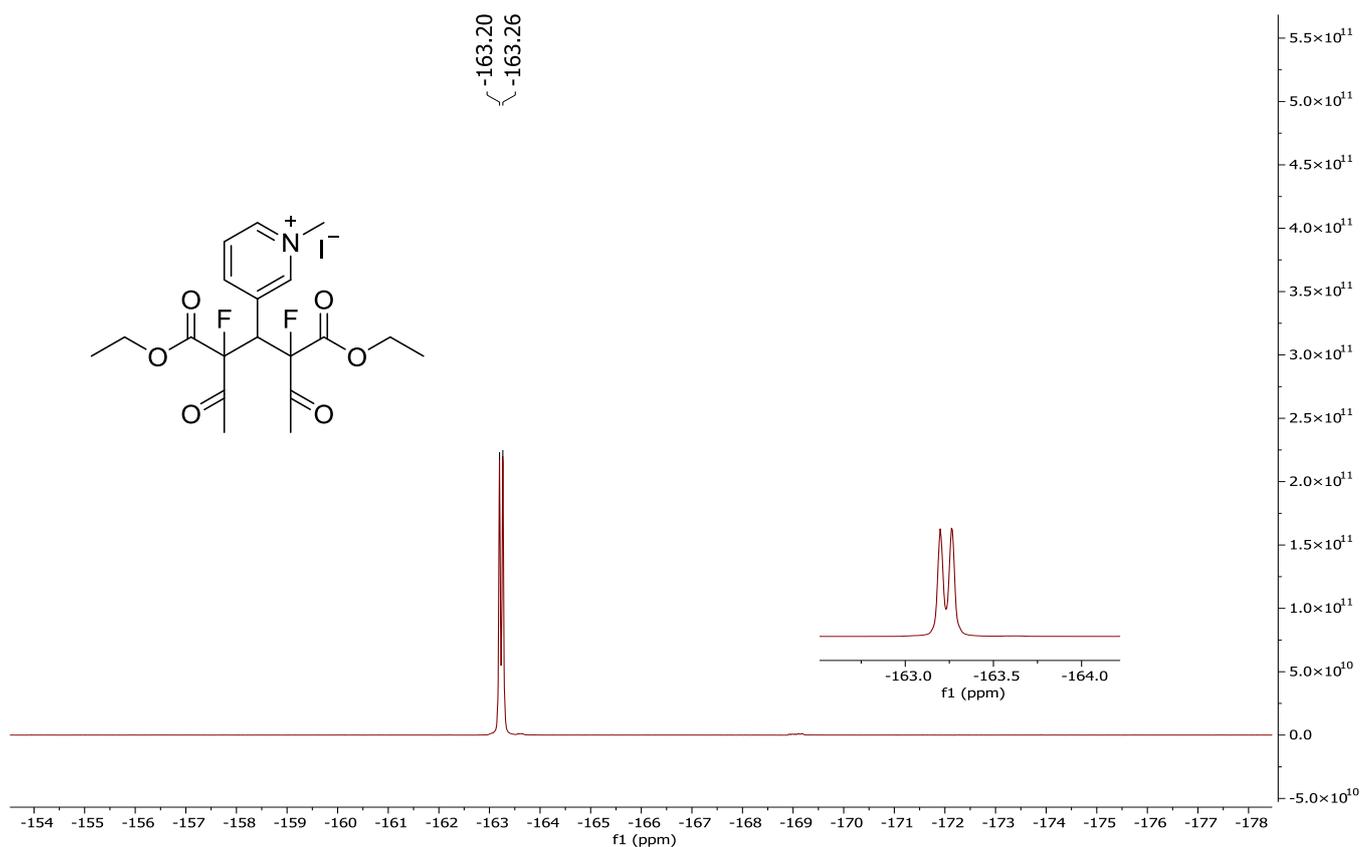
^{13}C NMR spectrum of dinonyl 2,4-diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3b**)



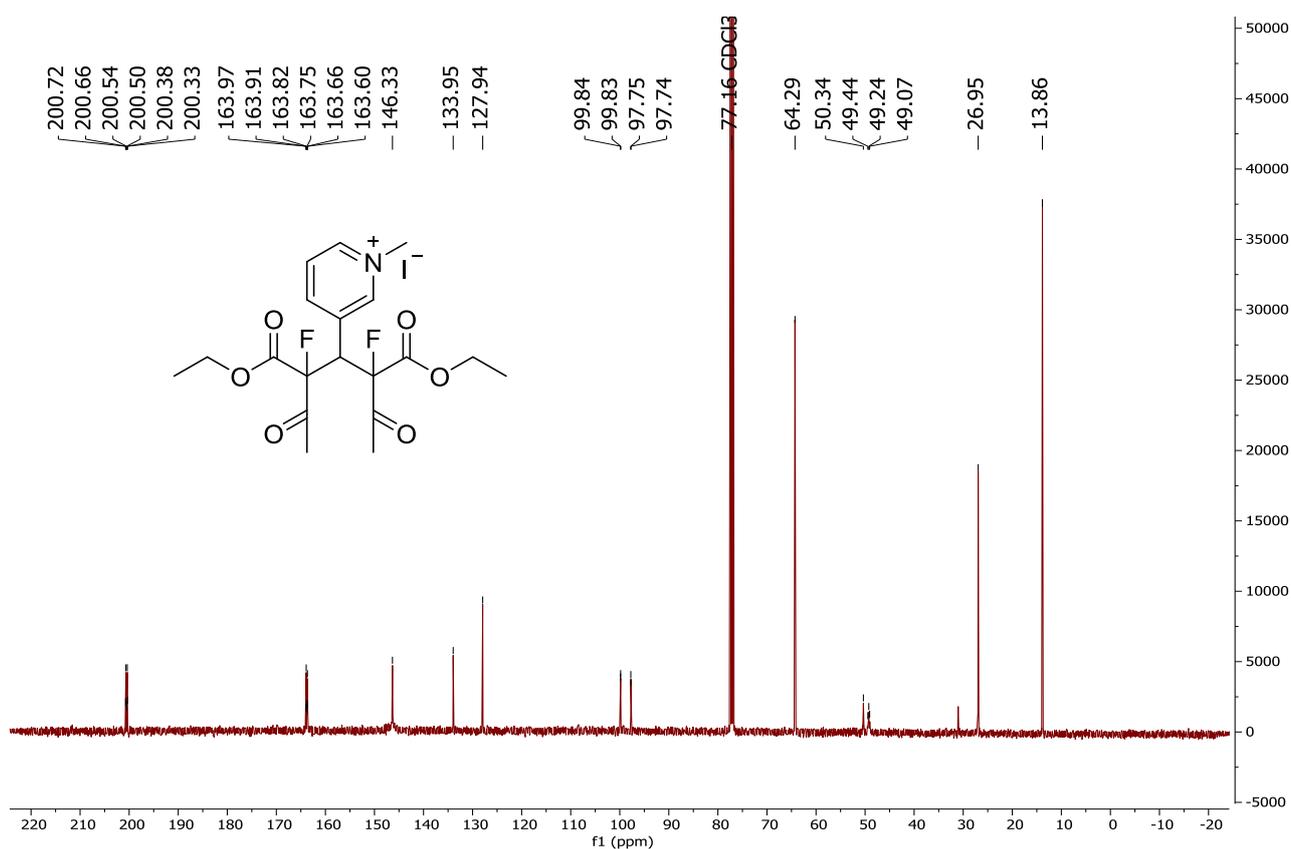
^1H NMR spectrum of 3-(3,5-bis(ethoxycarbonyl)-3,5-difluoro-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4a**)



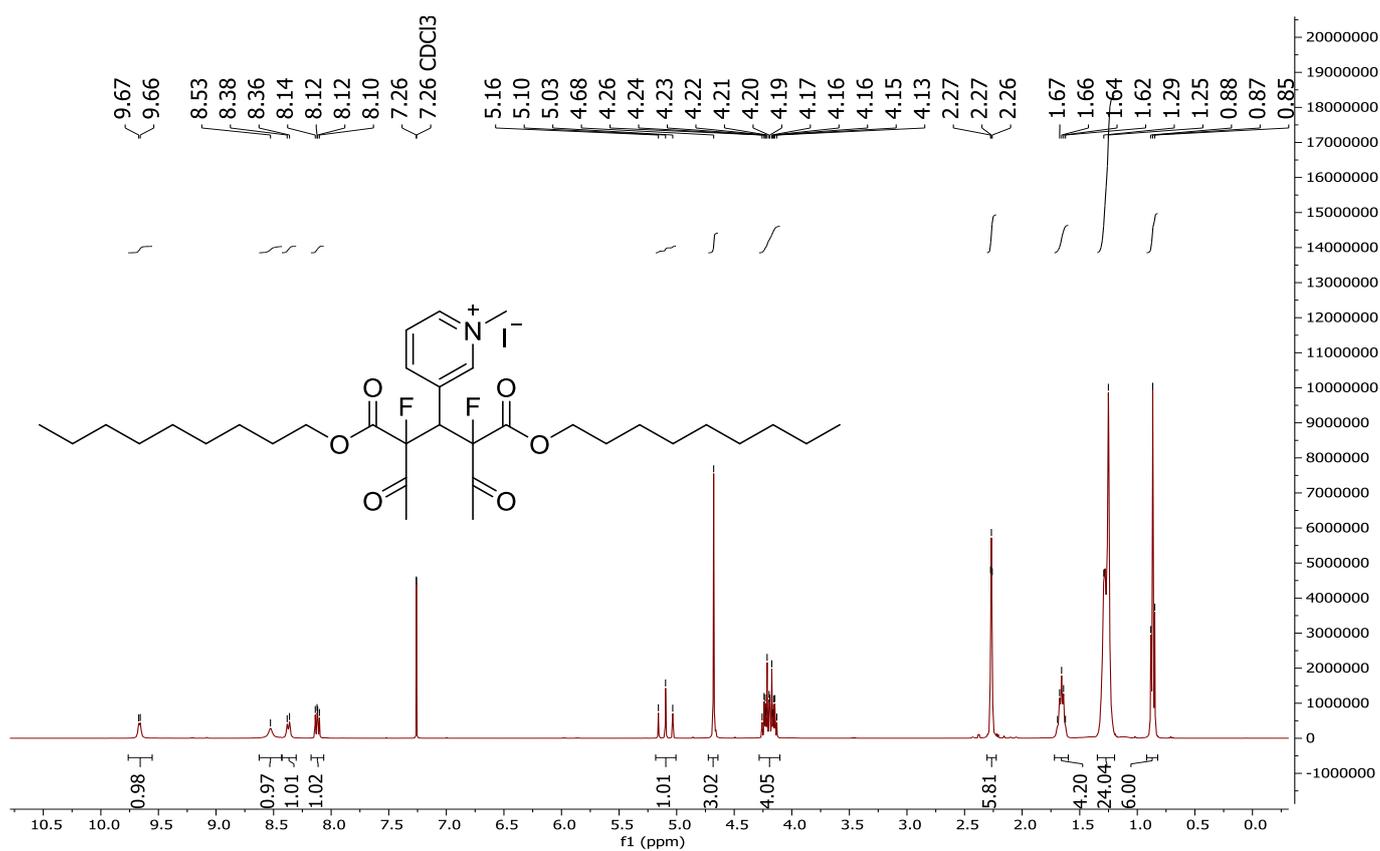
^{19}F NMR spectrum of 3-(3,5-bis(ethoxycarbonyl)-3,5-difluoro-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4a**)



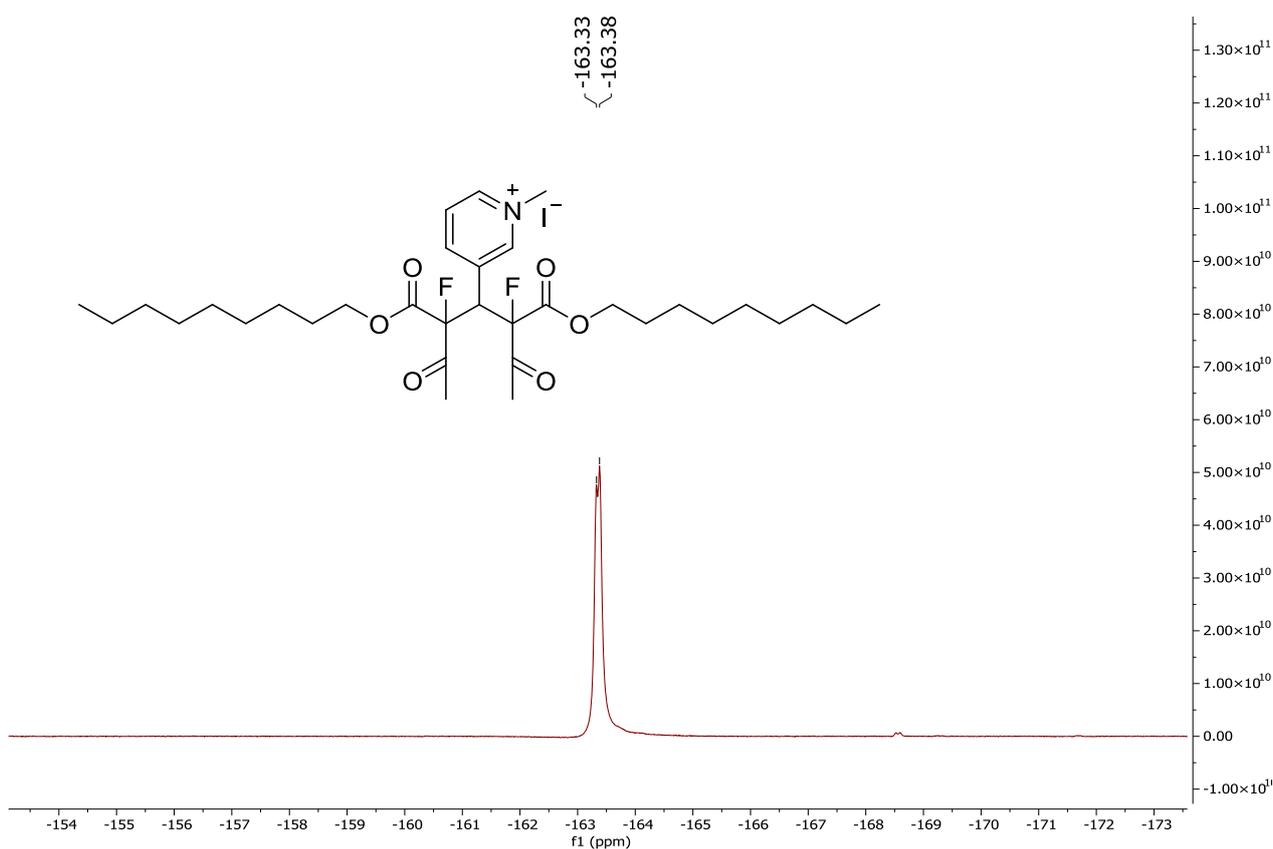
^{13}C NMR spectrum of 3-(3,5-bis(ethoxycarbonyl)-3,5-difluoro-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4a**)



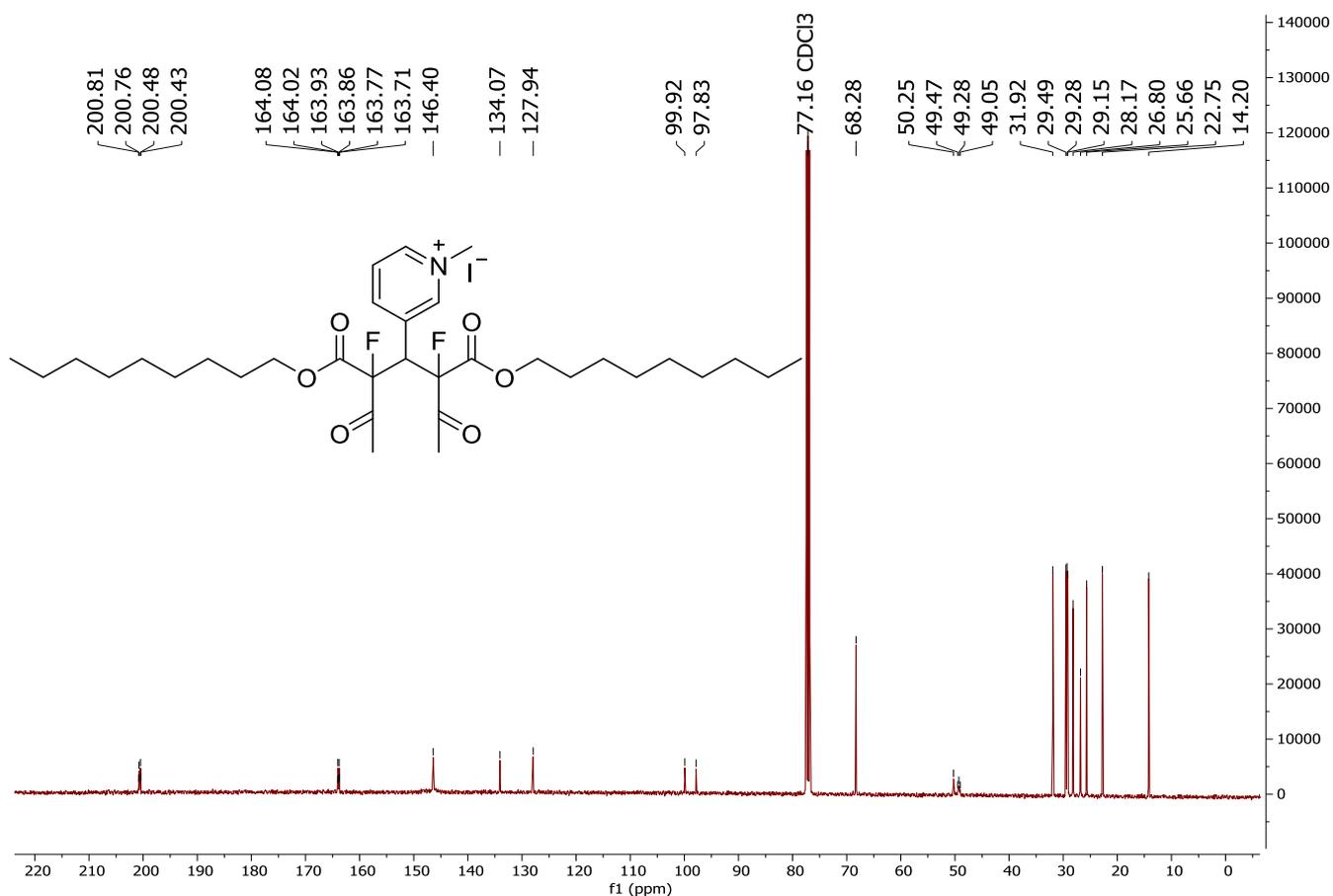
¹H NMR spectrum of 3-(3,5-difluoro-3,5-bis((nonyloxy)carbonyl)-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4b**)



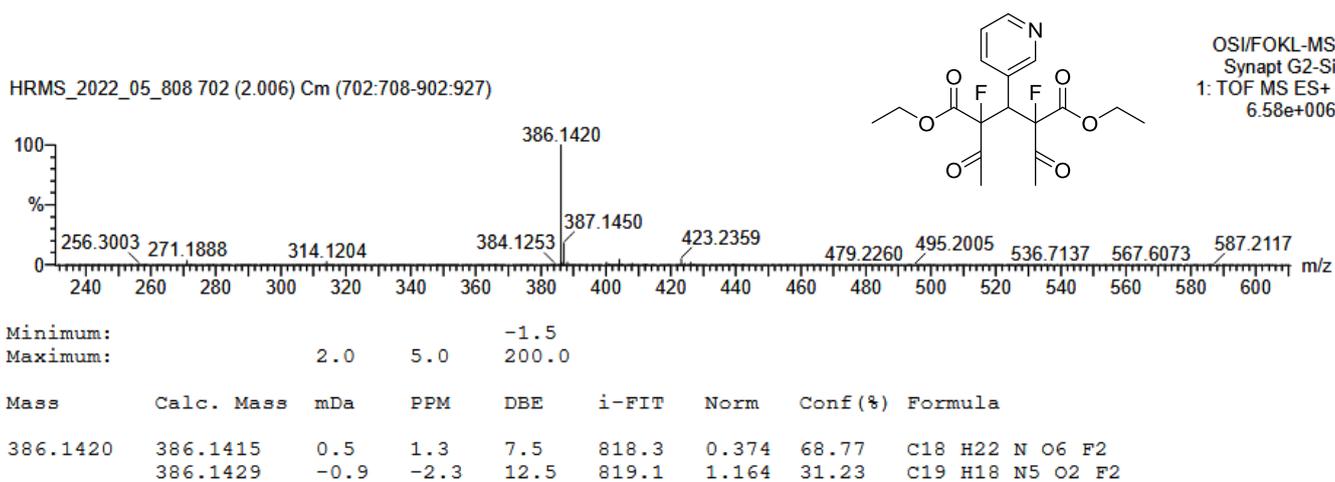
¹⁹F NMR spectrum of 3-(3,5-difluoro-3,5-bis((nonyloxy)carbonyl)-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4b**)



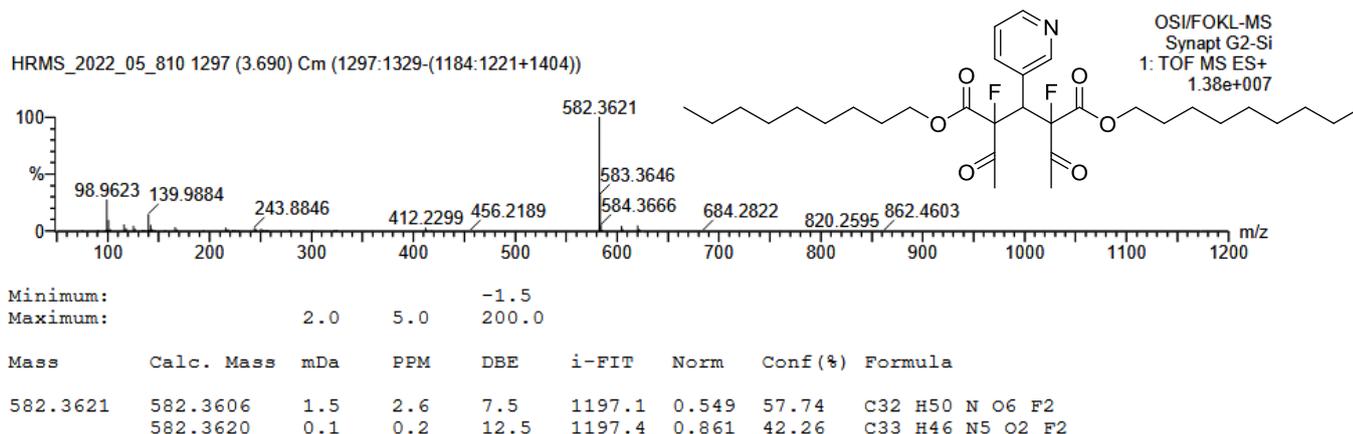
¹³C NMR spectrum of 3-(3,5-difluoro-3,5-bis((nonyloxy)carbonyl)-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4b**)



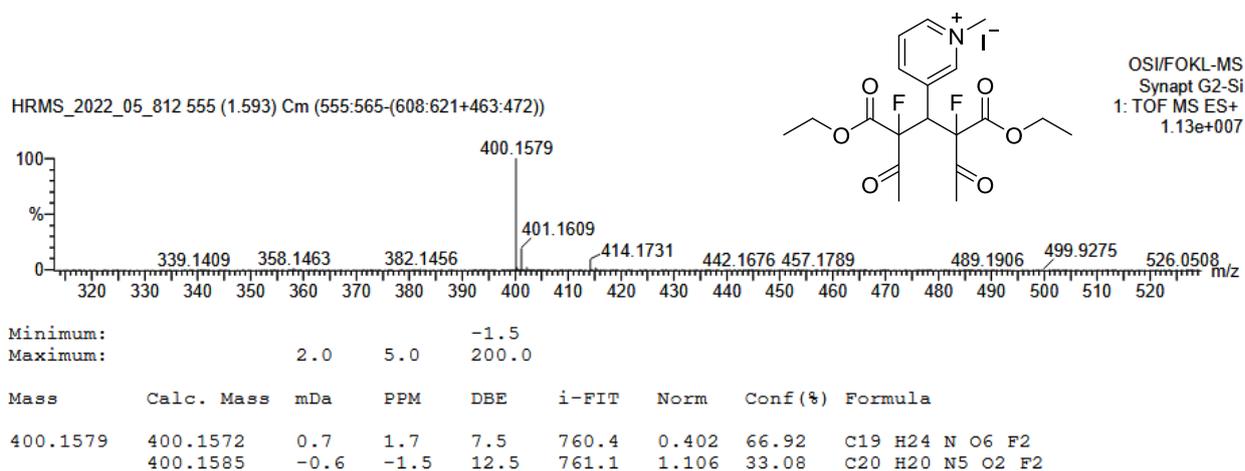
HRMS data of diethyl 2,4-diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3a**)



HRMS data of dinonyl 2,4- diacetyl-2,4-difluoro-3-(pyridin-3-yl)pentanedioate (**3b**)



HRMS data of 3-(3,5-difluoro-3,5-bis((ethoxy)carbonyl)-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4a**)



HRMS data of 3-(3,5-difluoro-3,5-bis((nonyloxy)carbonyl)-2,6-dioxoheptan-4-yl)-1-methylpyridin-1-ium iodide (**4b**)

