

Substituent Effect of Ancillary Ligands on the Luminescence of Bis[4,6-(di-fluorophenyl)-pyridinato-*N,C*^{2'}]Iridium (III) Complexes

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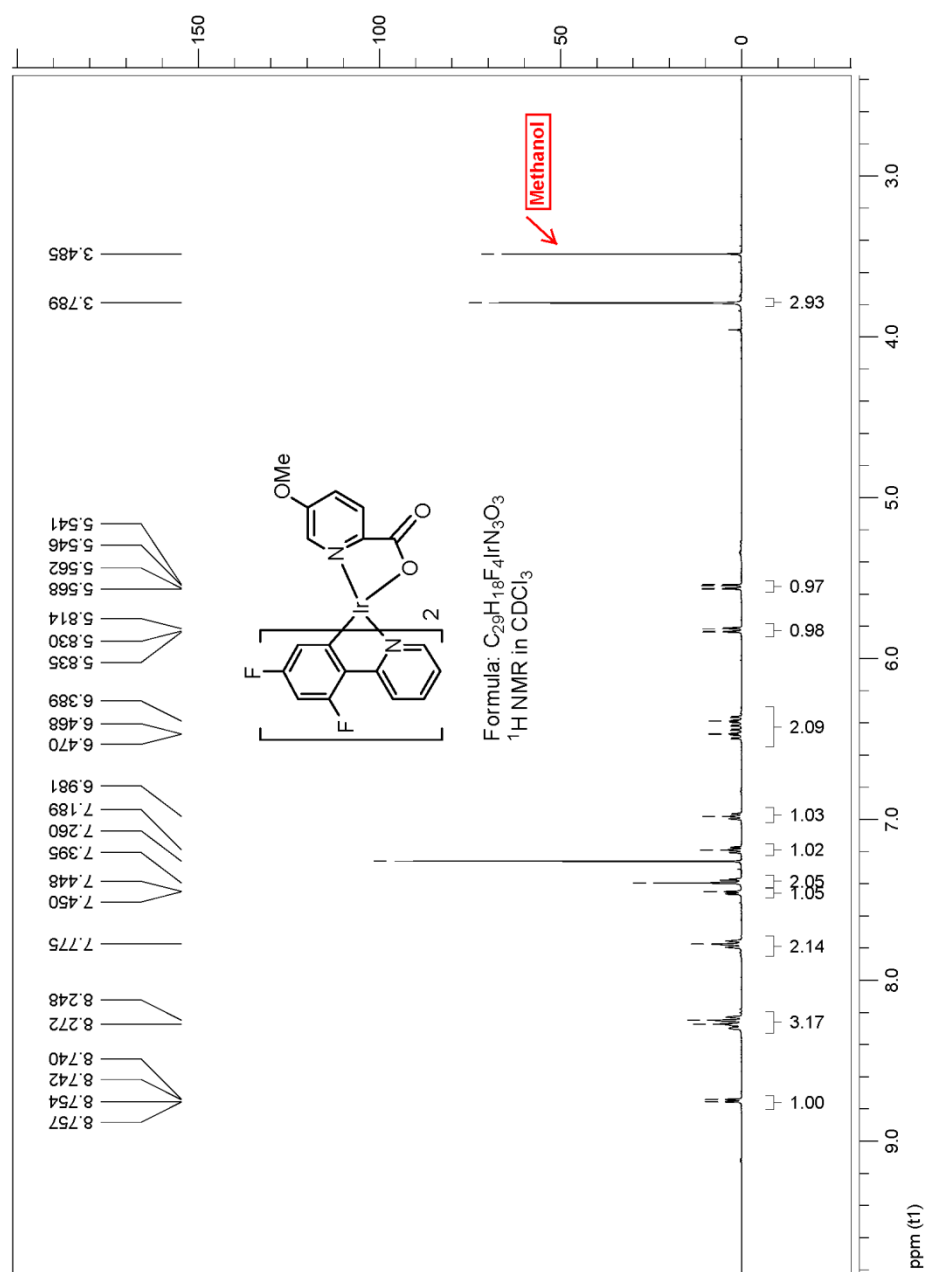


Figure S1. 1H NMR spectrum of Irpic-OMe in $CDCl_3$

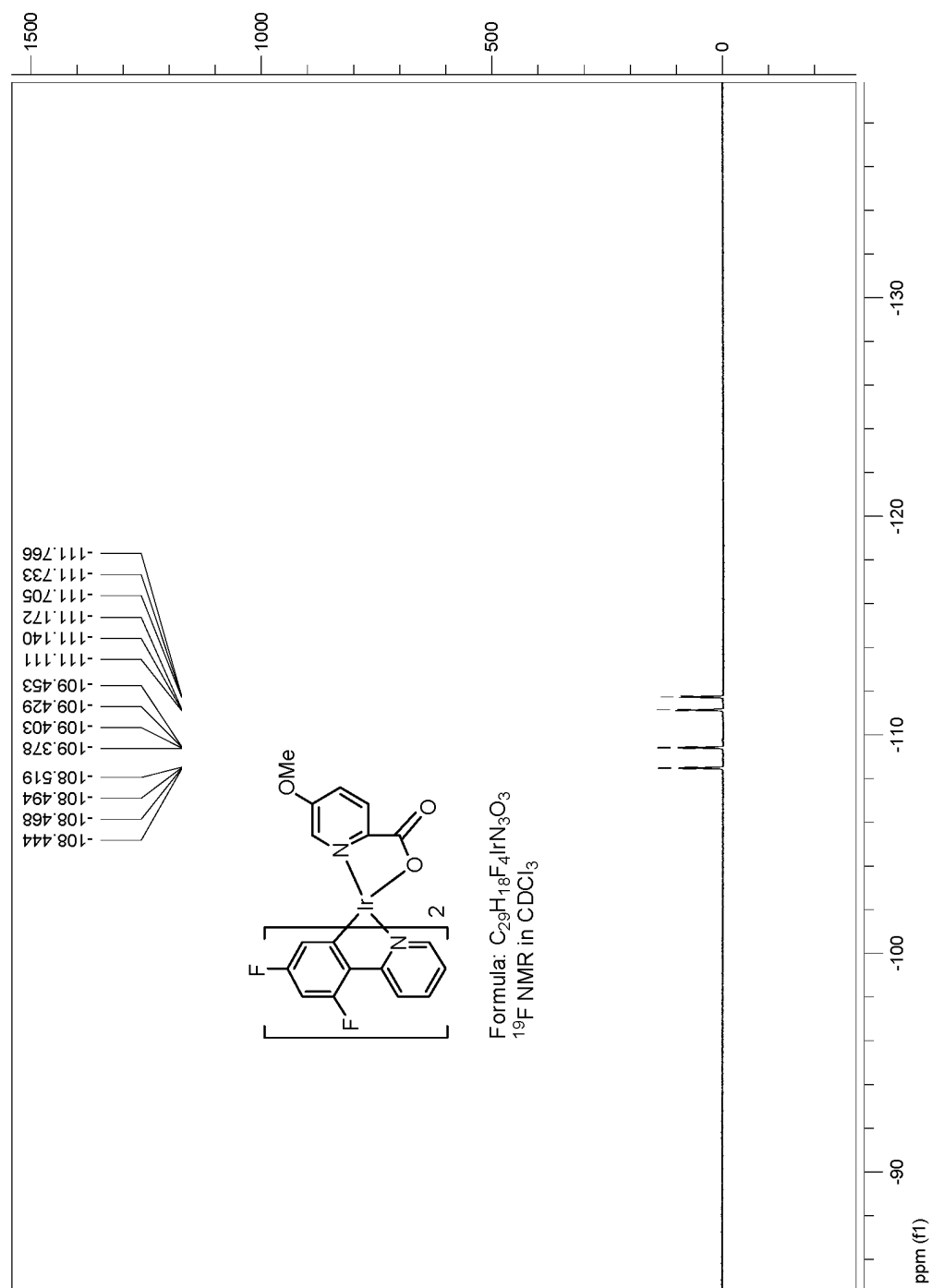


Figure S2. ^{19}F NMR spectrum of Irpic-OMe in $CDCl_3$

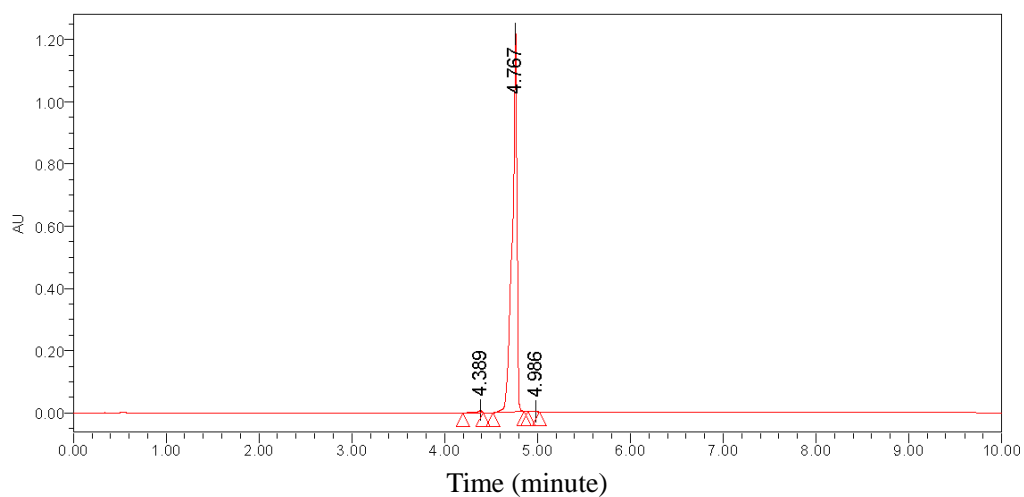


Figure S3. UPLC spectrum of FIrpic-OMe.

Table S1. The UPLC result of FIrpic-OMe

	Time (minute)	Area ($\mu\text{V}\times\text{s}$)	Height (μV)	% area
1	4.389	27900	8141	0.63
2	4.767	4415030	1215918	99.24
3	4.986	6128	1781	0.14

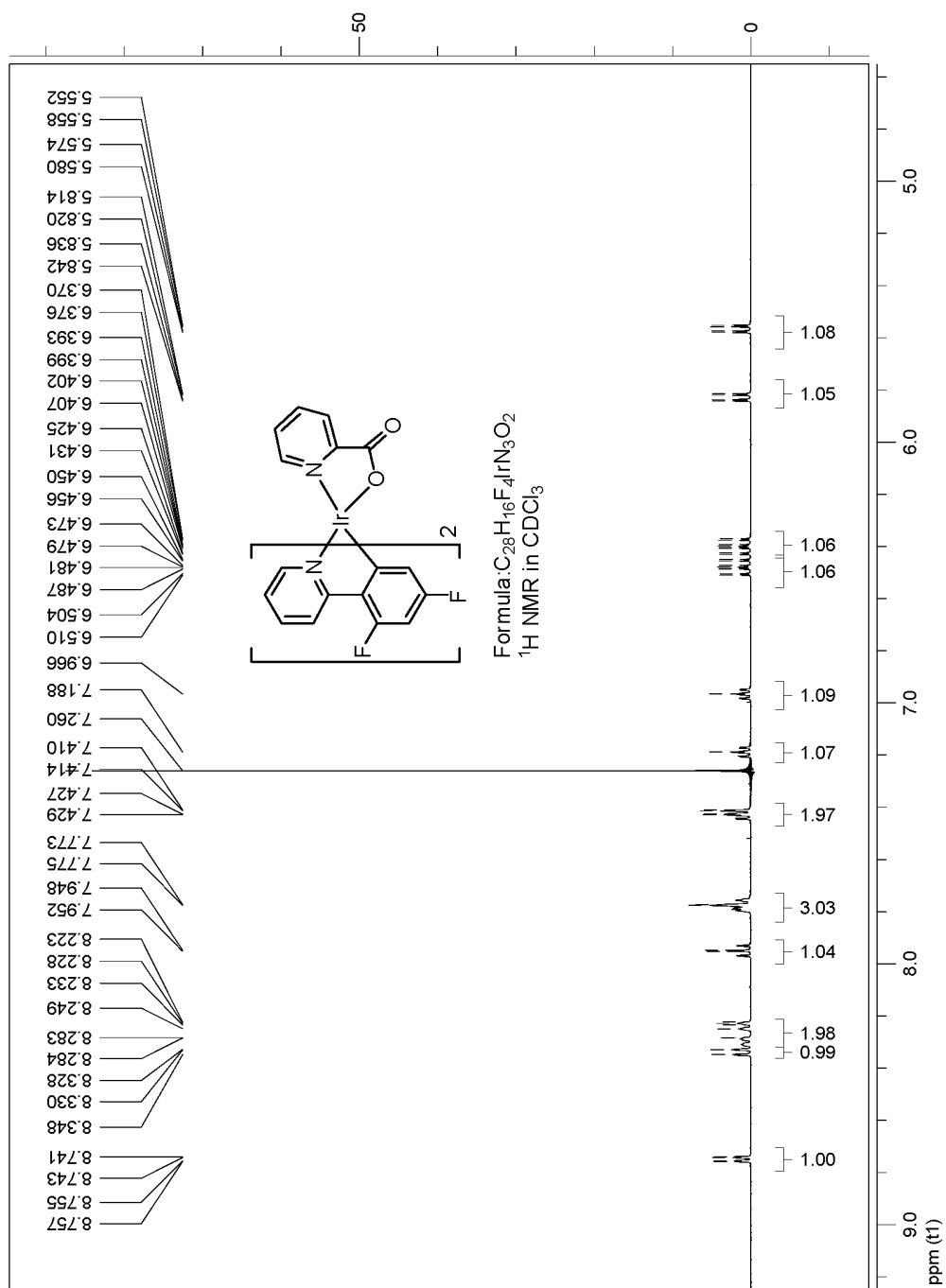


Figure S4. 1H NMR spectrum of Flrpic in $CDCl_3$

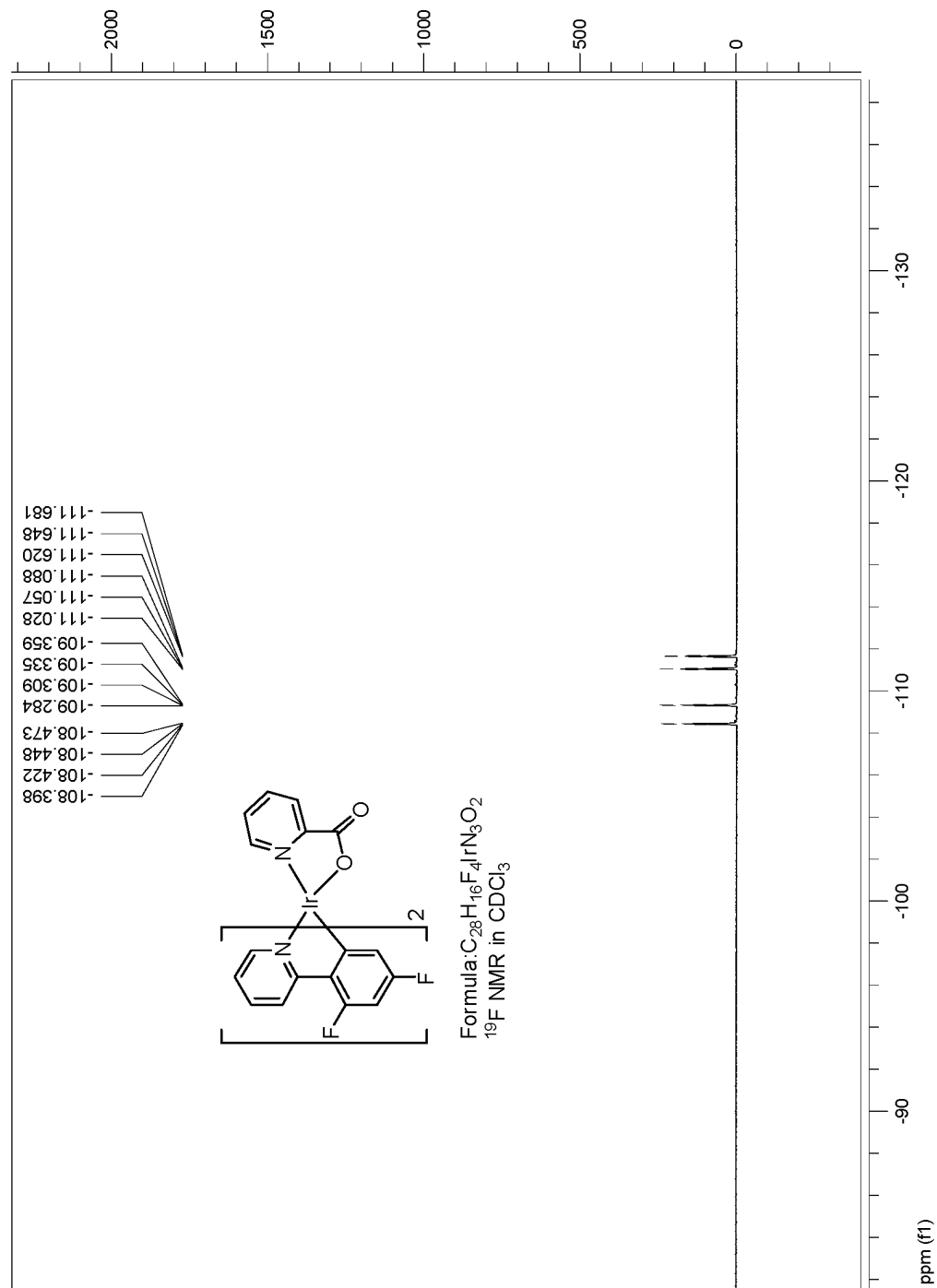


Figure S5. ^{19}F NMR spectrum of Irpic in $CDCl_3$

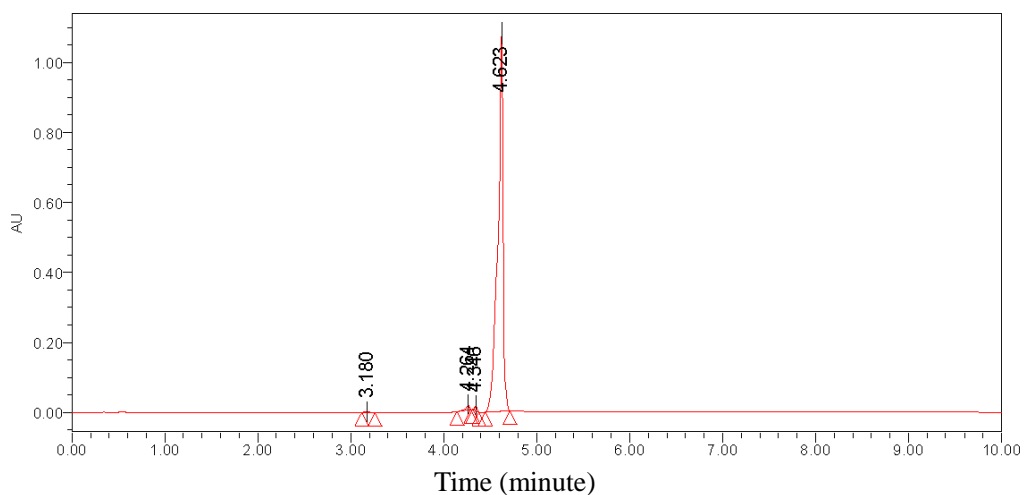


Figure S6. UPLC spectrum of Flrpic.

Table S2. The UPLC result of Flrpic.

	Time (minute)	Area ($\mu\text{V}\times\text{s}$)	Height (μV)	% area
1	3.180	3405	884	0.08
2	4.264	34938	13615	0.82
3	4.346	21926	12890	0.52
4	4.623	4182453	1080941	98.58

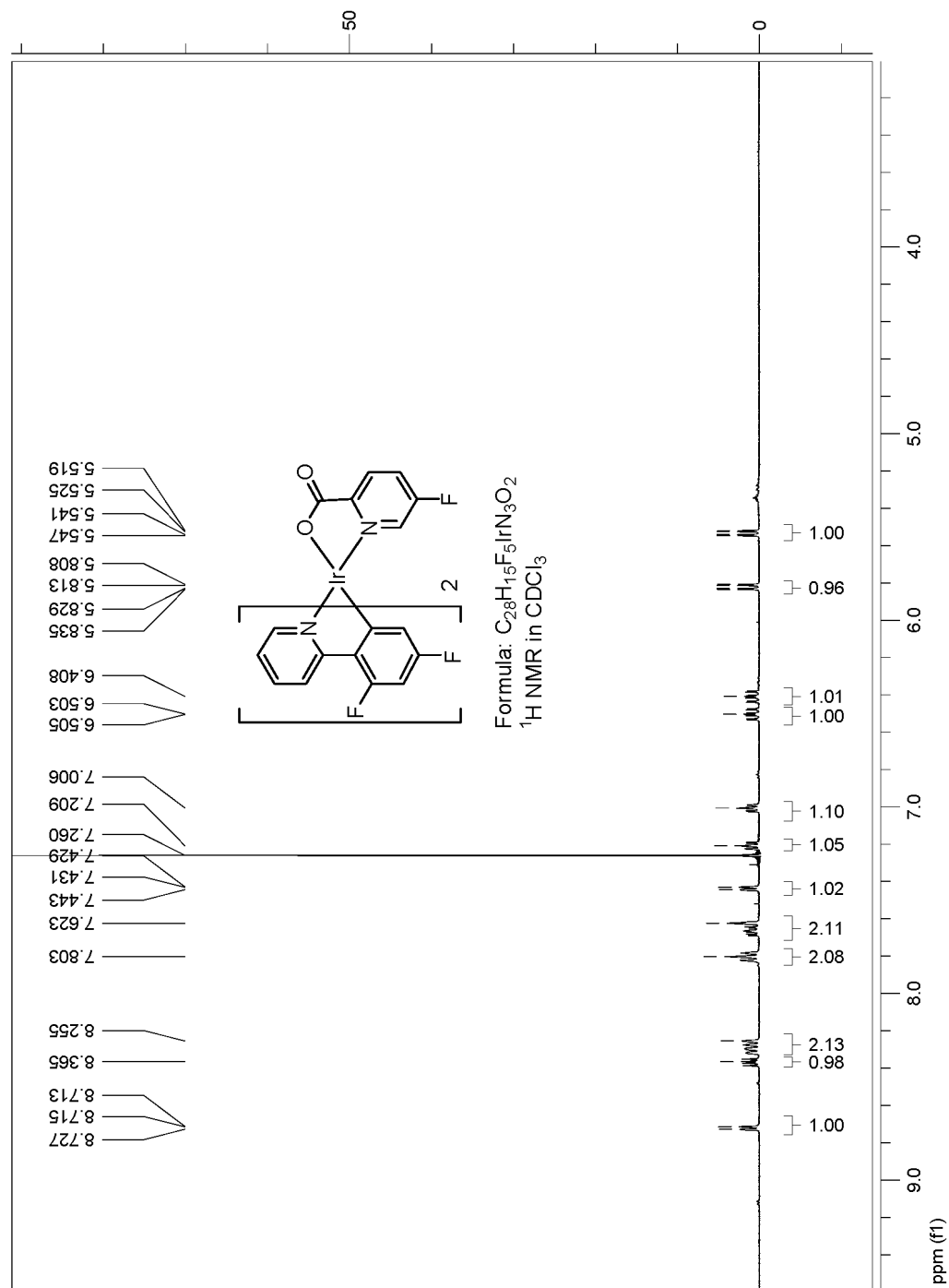


Figure S7. 1H NMR spectrum of Flrpic-F in $CDCl_3$

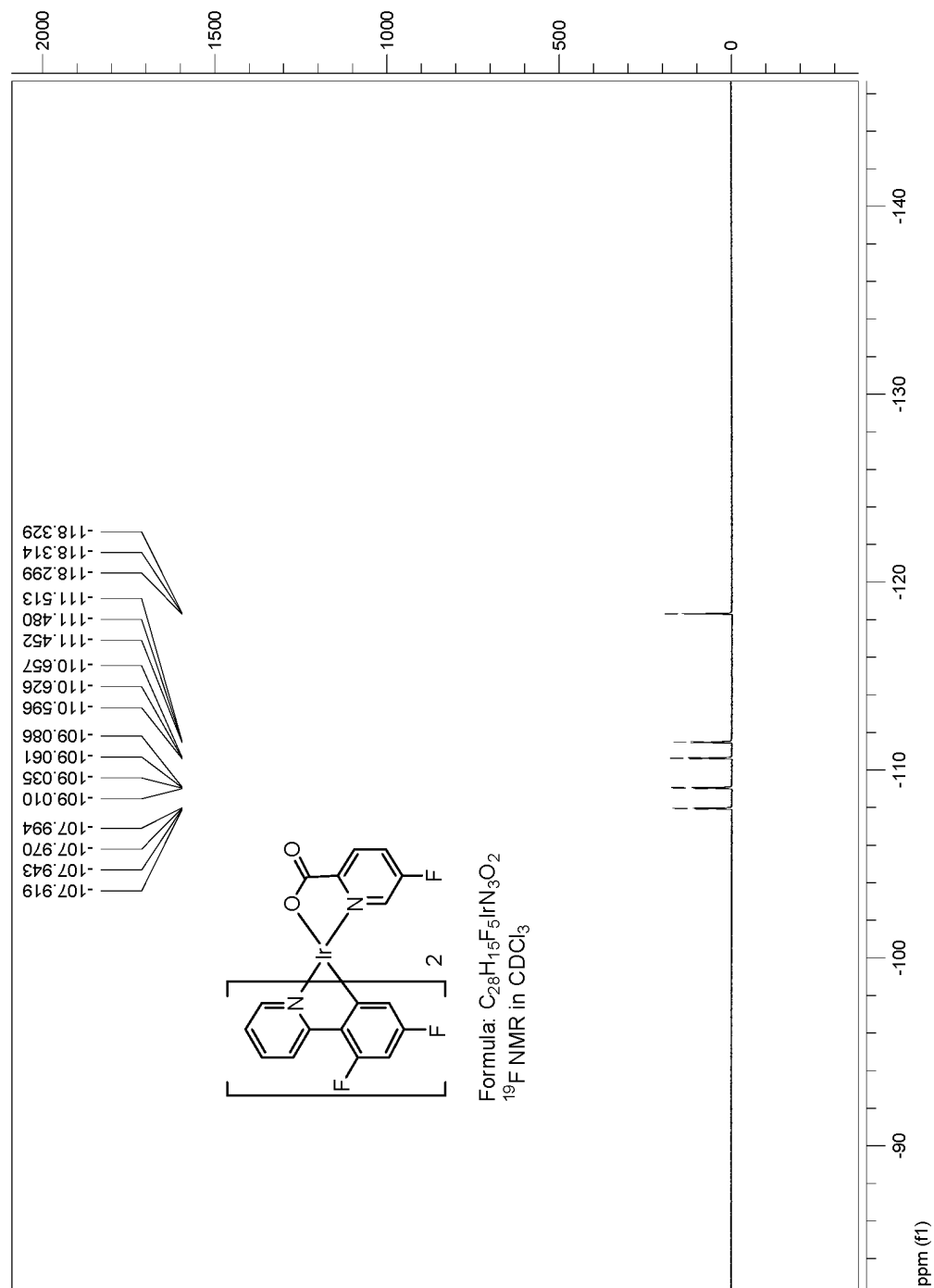


Figure S8. ¹⁹F NMR spectrum of Irpic-F in CDCl₃

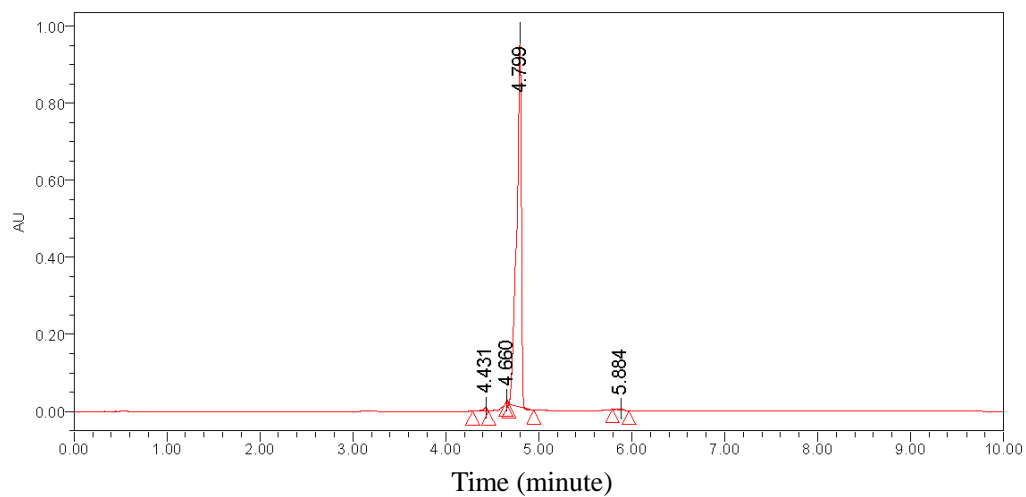


Figure S9. UPLC spectrum of Flrpic-F.

Table S3. The UPLC result of Flrpic-F.

	Time (minute)	Area ($\mu\text{V}\times\text{s}$)	Height (μV)	% area
1	4.431	26324	8917	0.77
2	4.660	7287	7359	0.21
3	4.799	3373507	972519	98.62
4	5.884	13583	3122	0.40

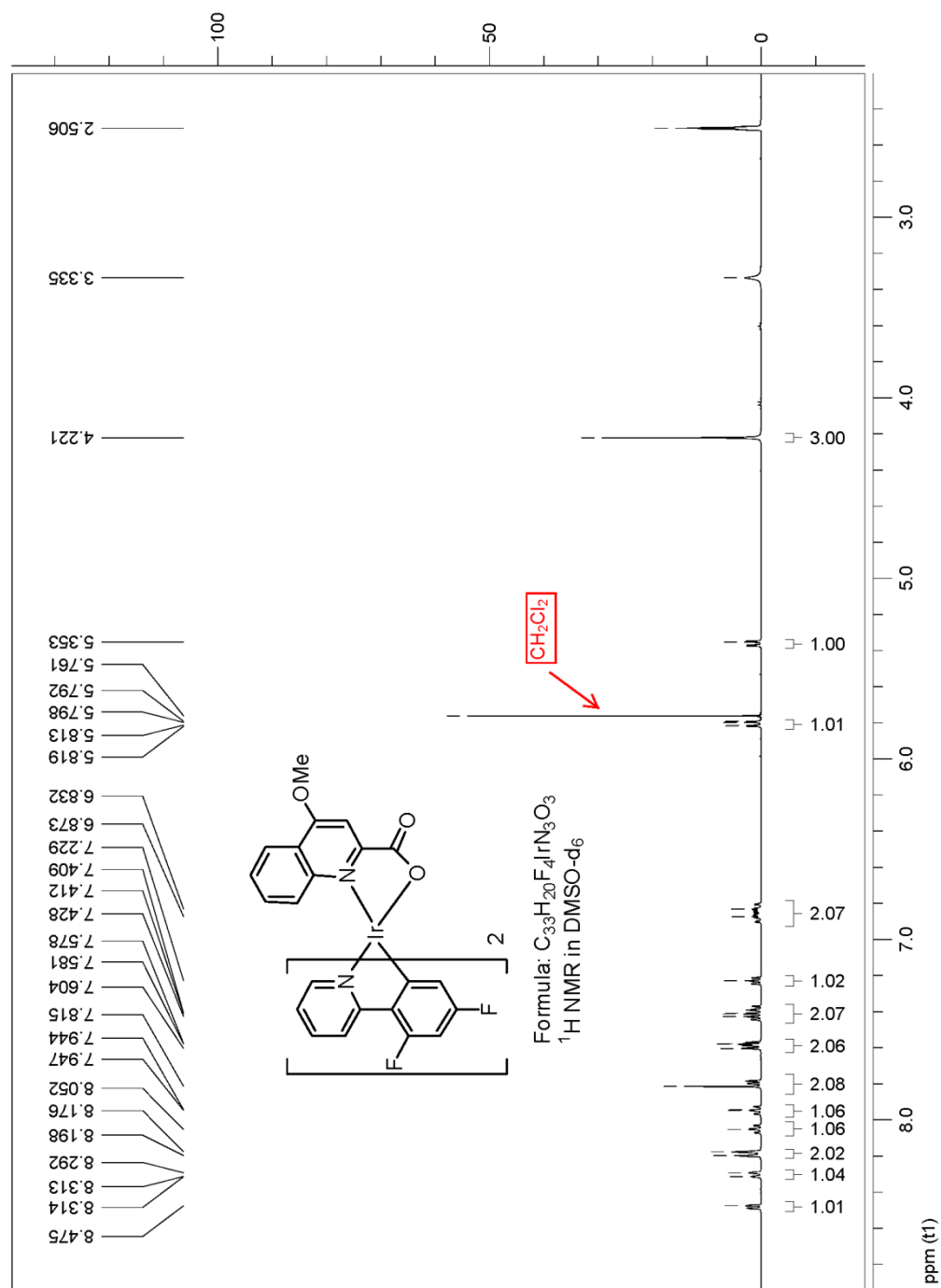


Figure S10. 1H NMR spectrum of IrIrqui-OMe in DMSO- d_6

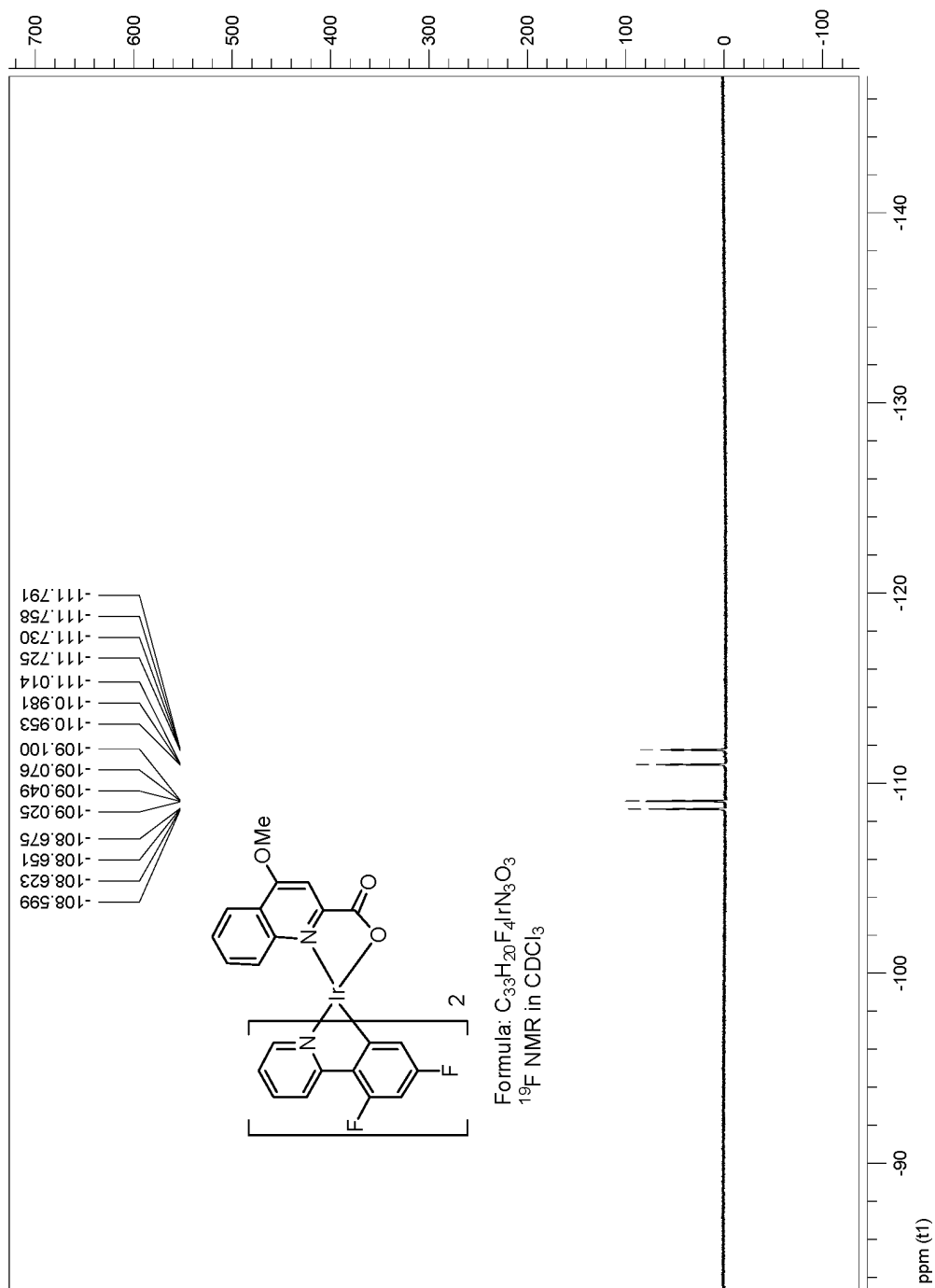


Figure S11. ^{19}F NMR spectrum of Firqui-OMe in CDCl_3

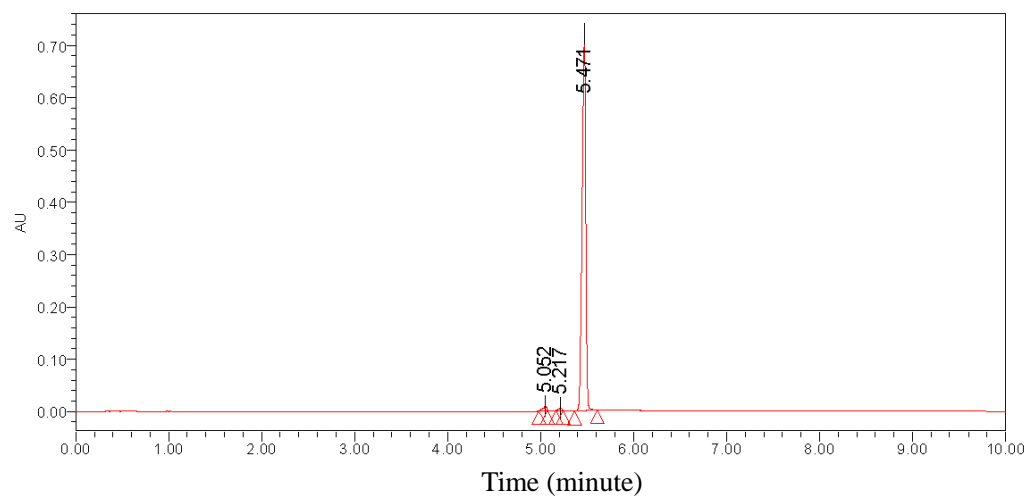


Figure S12. UPLC spectrum of Flrqui-OMe.

Table S4. The UPLC result of Flrqui-OMe.

	Time (minute)	Area ($\mu\text{V}\times\text{s}$)	Height (μV)	% area
1	5.052	21620	8112	1.08
2	5.217	12327	5202	0.61
3	5.471	1976333	722067	98.31

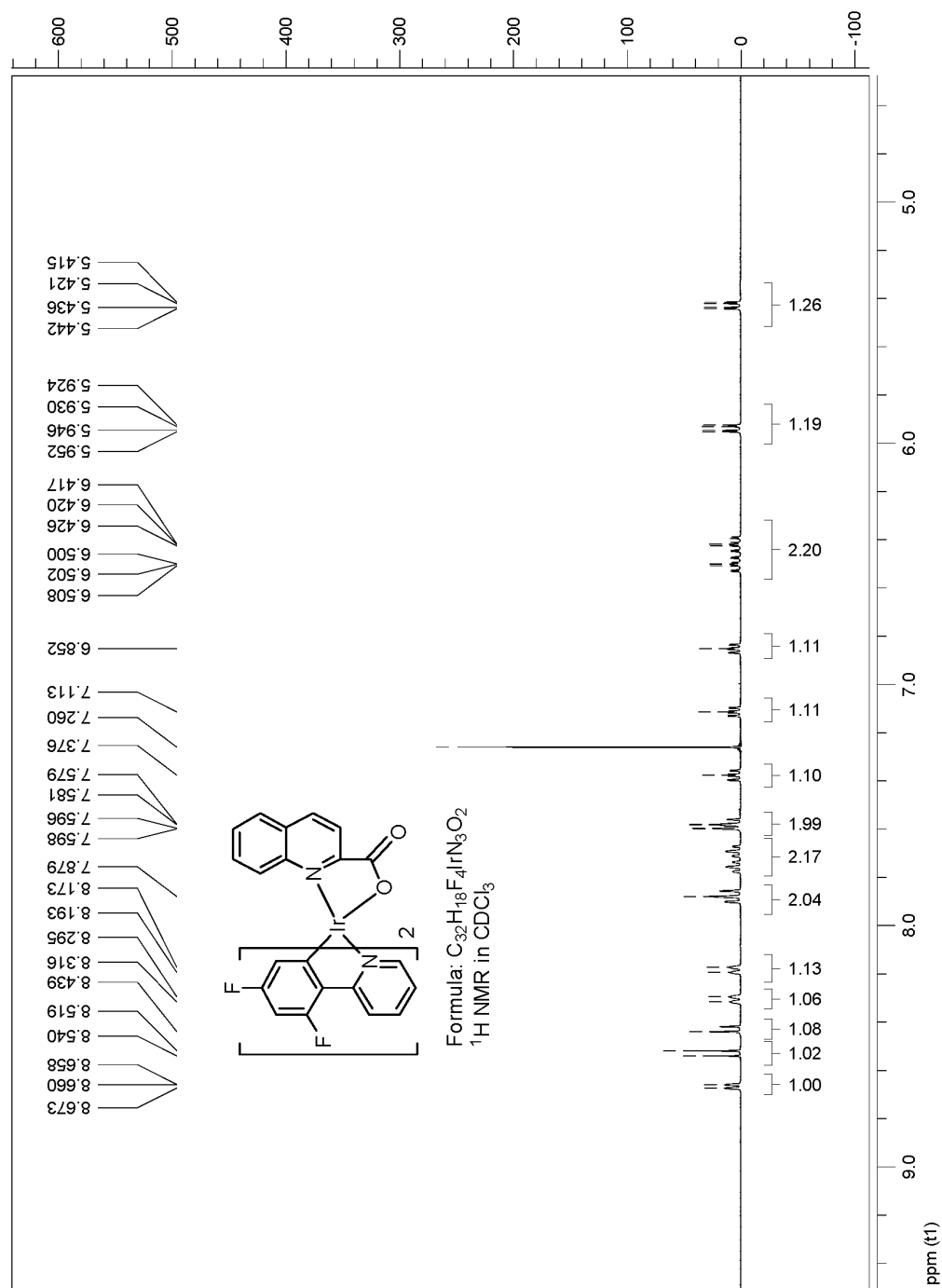


Figure S13. 1H NMR spectrum of Firqui in $CDCl_3$

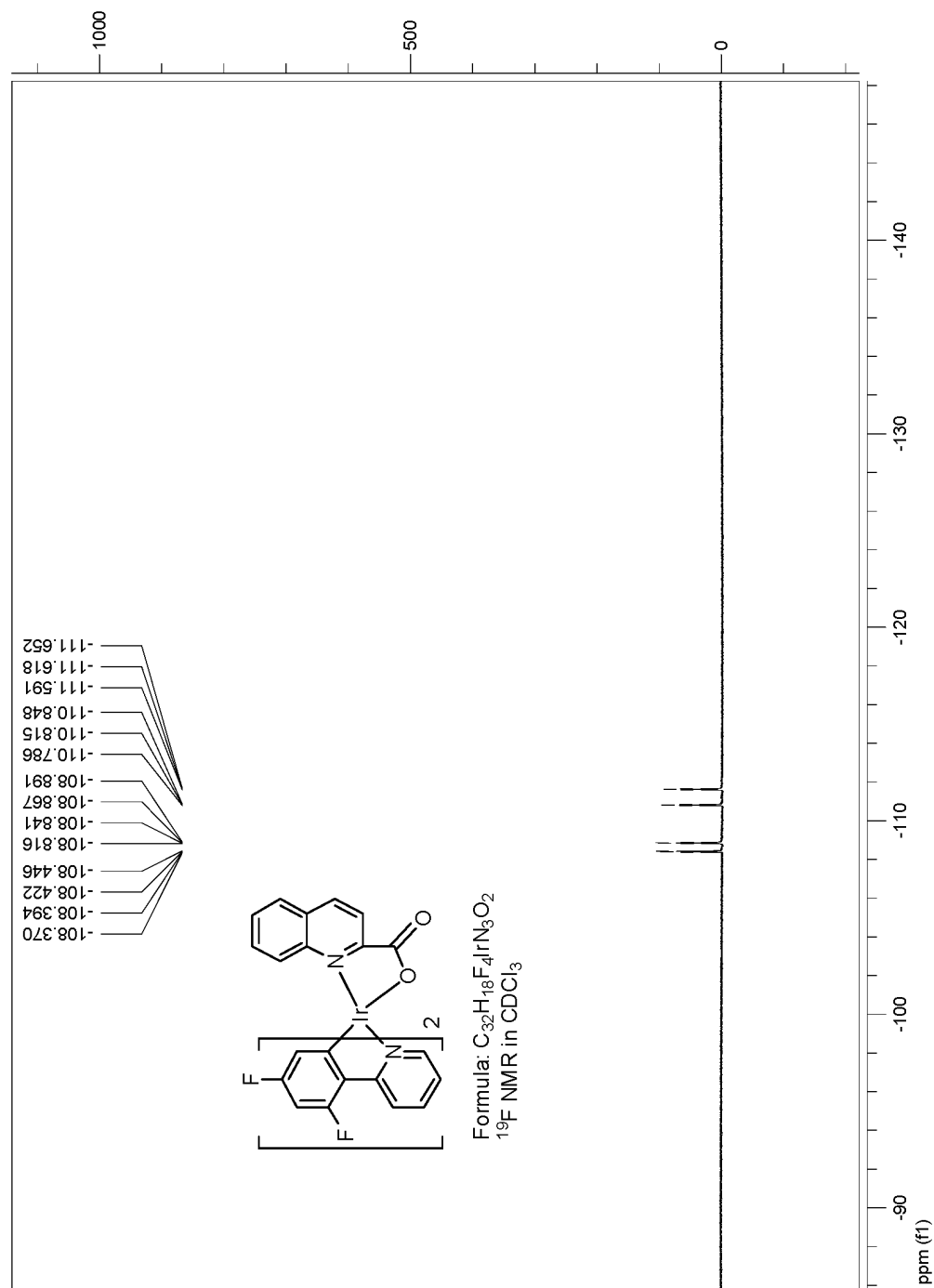


Figure S14. ^{19}F NMR spectrum of Firqui in $CDCl_3$

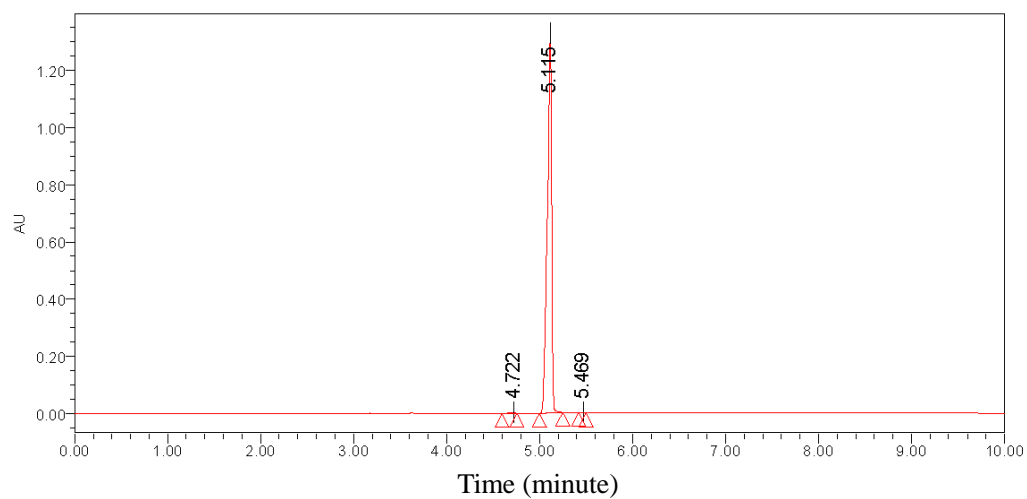


Figure S15. UPLC spectrum of Flrqui.

Table S5. The UPLC result of Flrqui.

	Time (minute)	Area ($\mu\text{V}\times\text{s}$)	Height (μV)	% area
1	4.722	12717	3473	0.30
2	5.115	4250810	1328730	99.63
3	5.469	3142	1196	0.07

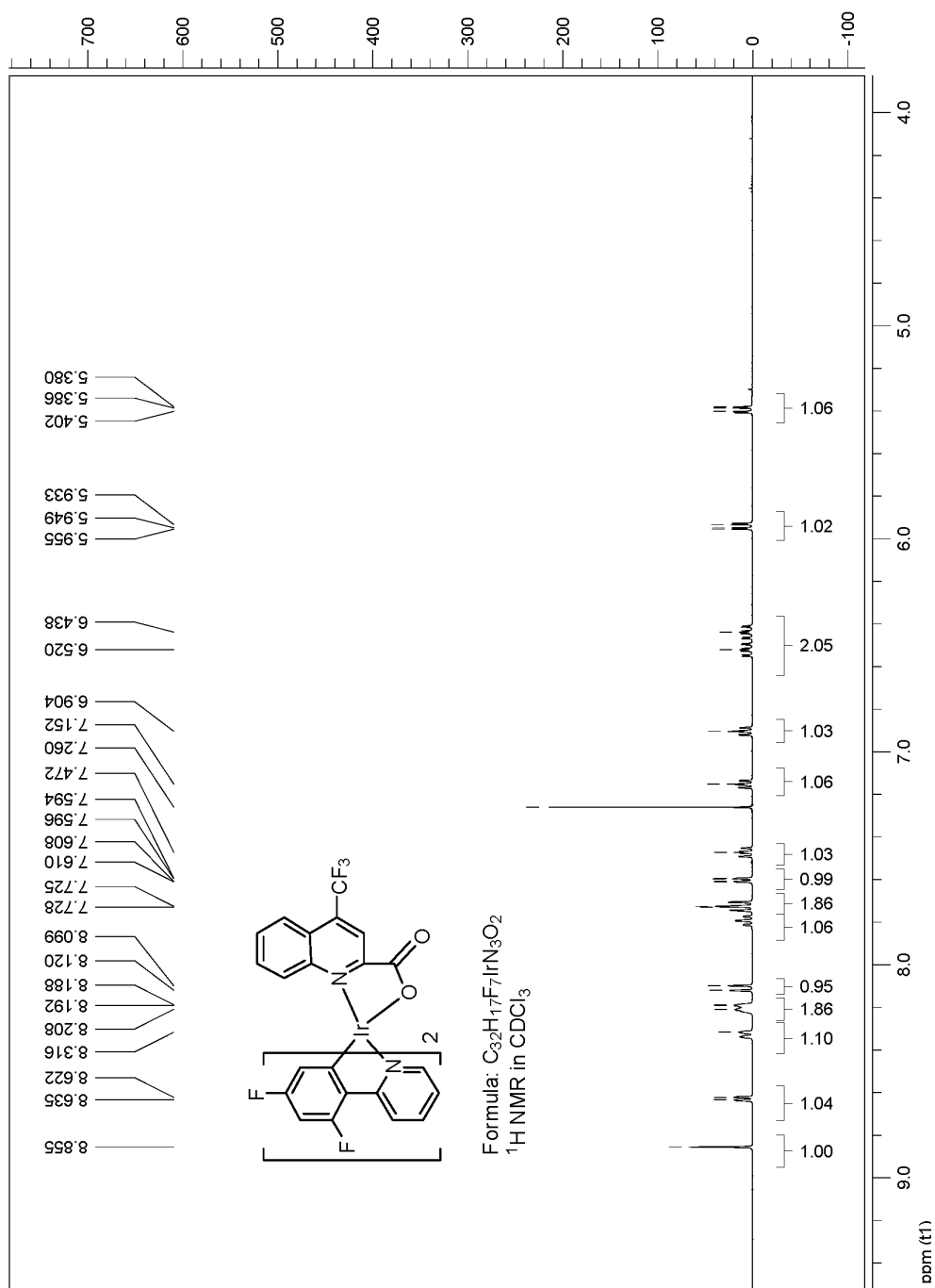


Figure S16. 1H NMR spectrum of Irqui- CF_3 in $CDCl_3$

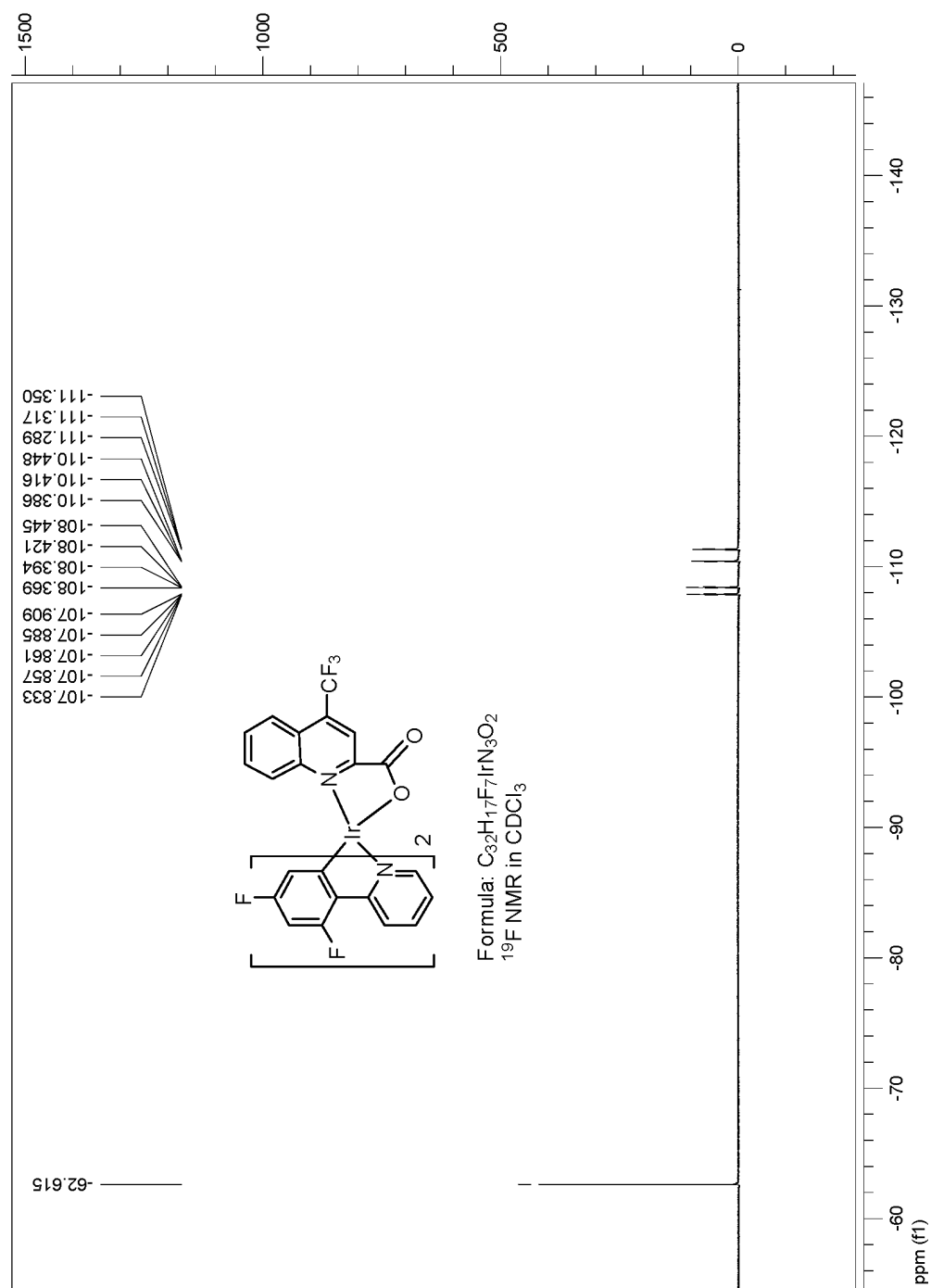


Figure S17. ^{19}F NMR spectrum of FIrqui- CF_3 in $CDCl_3$

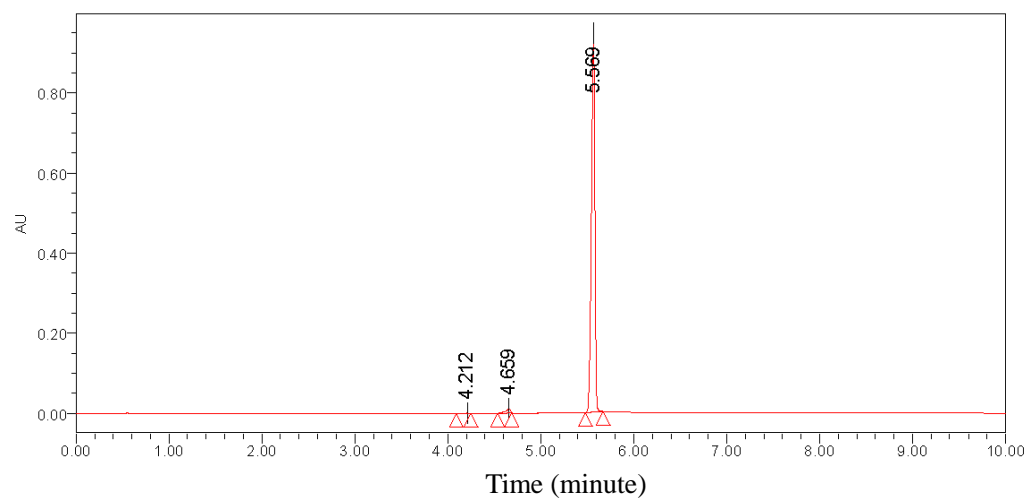


Figure S18. UPLC spectrum of Flrqui-CF₃.

Table S6. The UPLC result of Flrqui-CF₃.

	Time (minute)	Area ($\mu\text{V}\times\text{s}$)	Height (μV)	% area
1	4.212	2984	716	0.12
2	4.659	35935	10906	1.46
3	5.569	2423563	945909	98.42

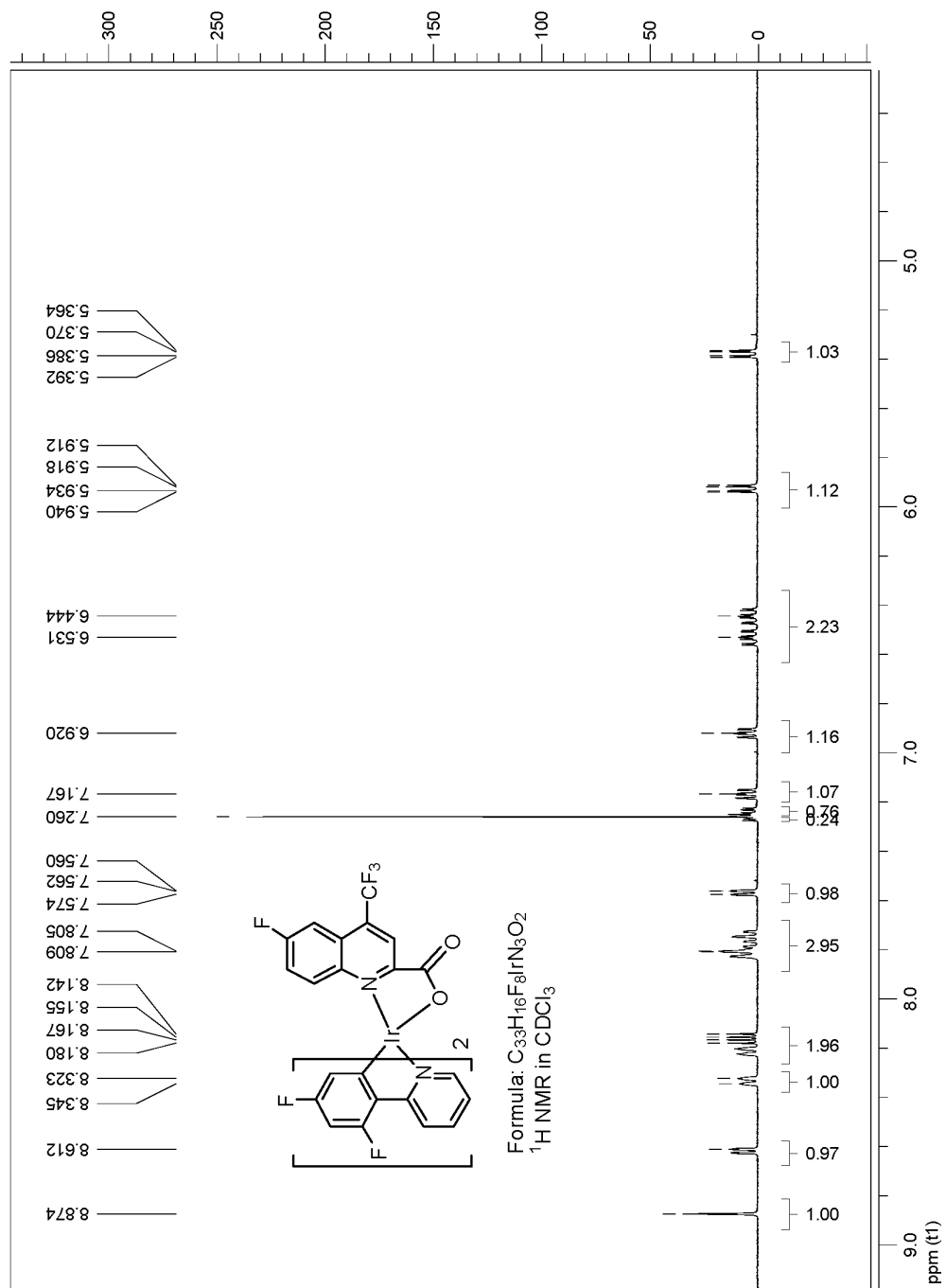


Figure S19. 1H NMR spectrum of Flirqui- CF_3F in $CDCl_3$

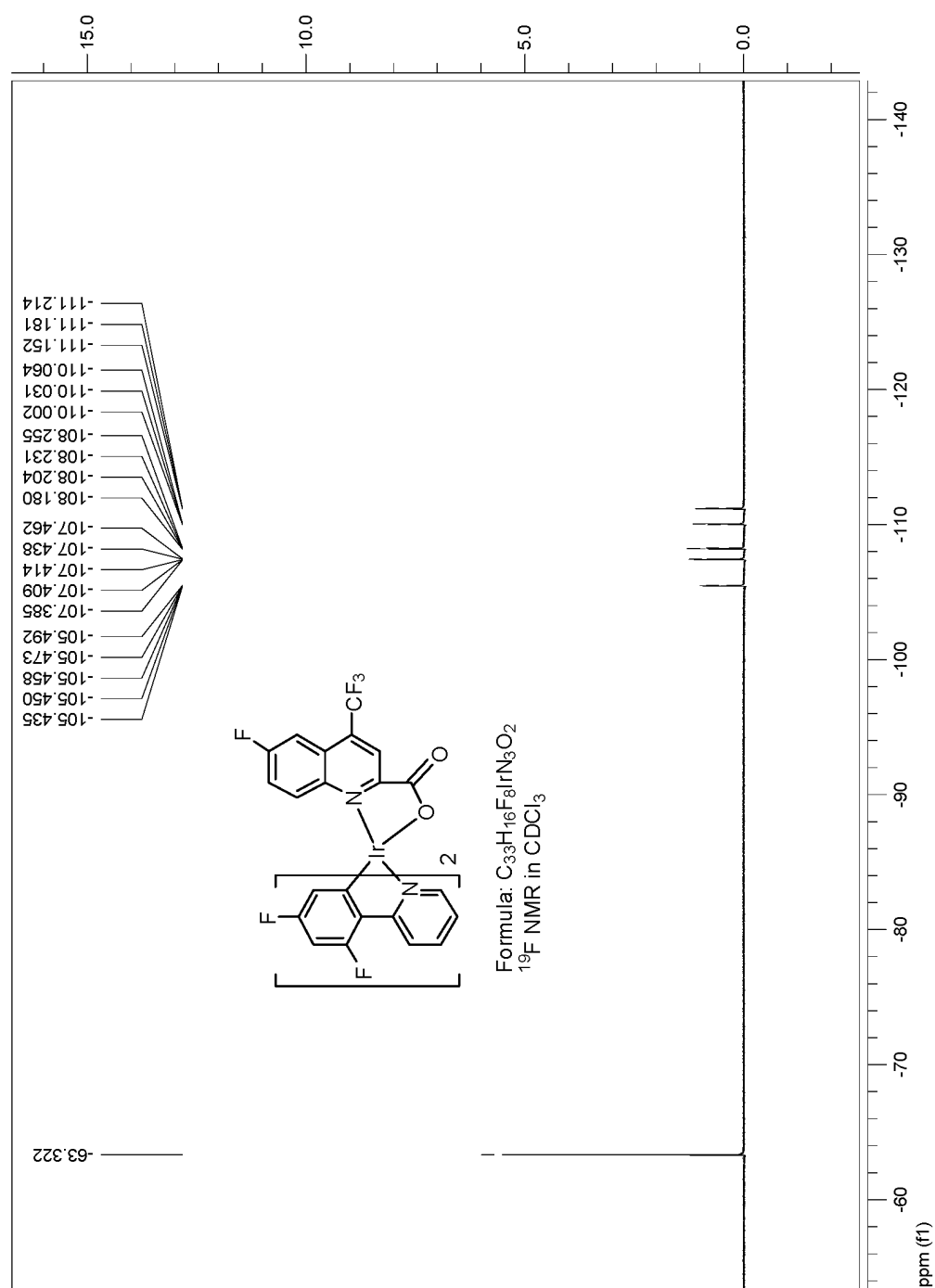


Figure S20. ^{19}F NMR spectrum of Irqui- CF_3F in $CDCl_3$

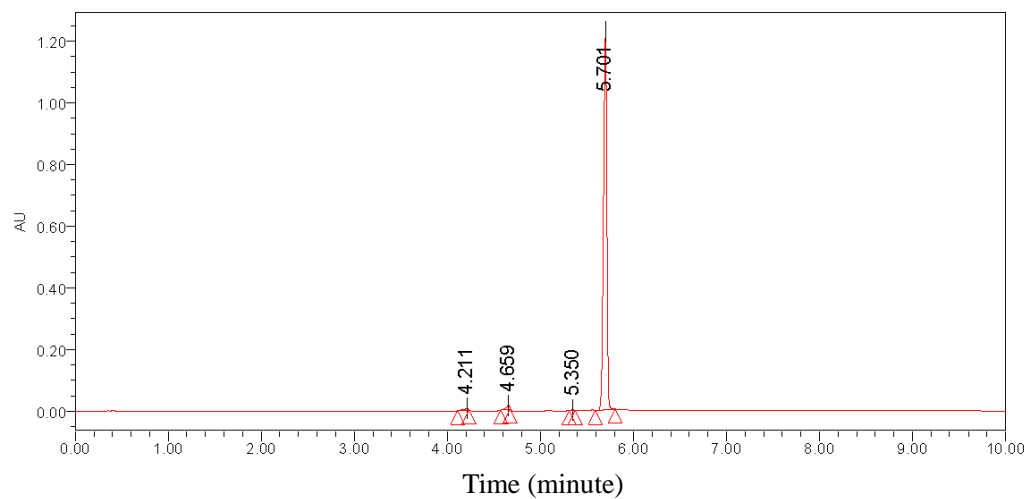


Figure S11. UPLC spectrum of Flrqui-CF₃F.

Table S7. The UPLC result of Flrqui-CF₃F.

	Time (minute)	Area ($\mu\text{V}\times\text{s}$)	Height (μV)	% area
1	4.211	19347	6049	0.62
2	4.659	28943	12447	0.93
3	5.350	5578	2789	0.18
4	5.701	3048328	1226052	98.26