Supporting Information

Syntheses of A Perfluoroethanesulfonyl Fluoride Vinyl Ether

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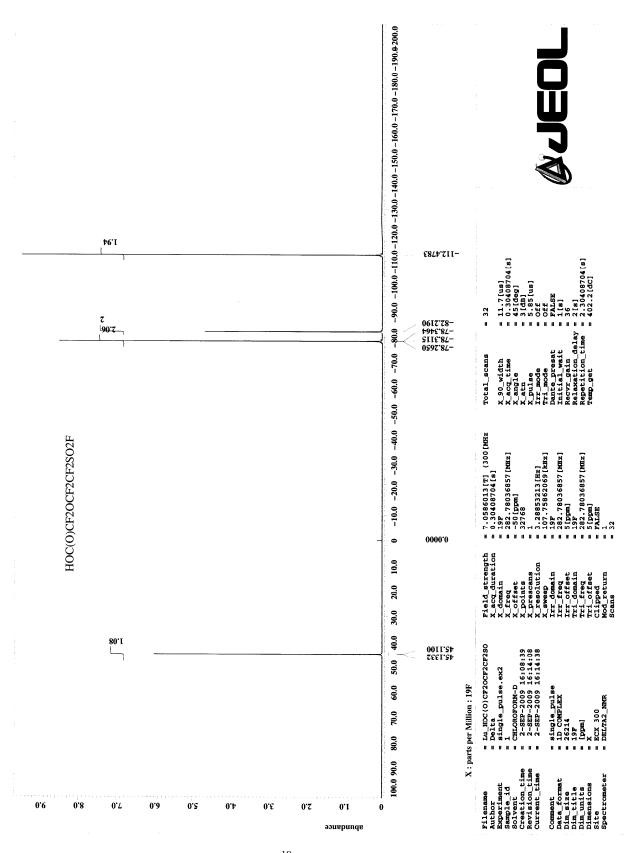


Figure S1. ¹⁹F NMR spectrum of 2.

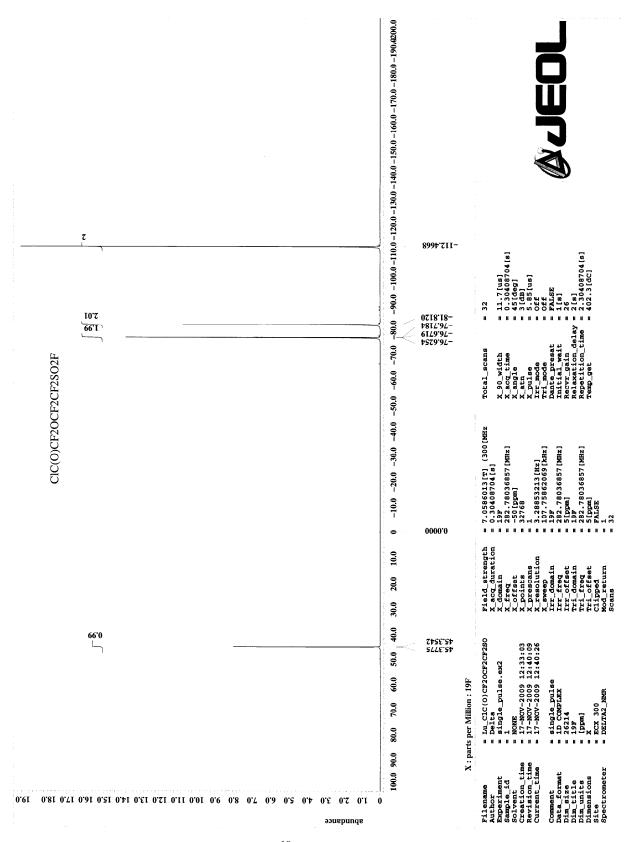


Figure S2. ¹⁹F NMR spectrum of 3.

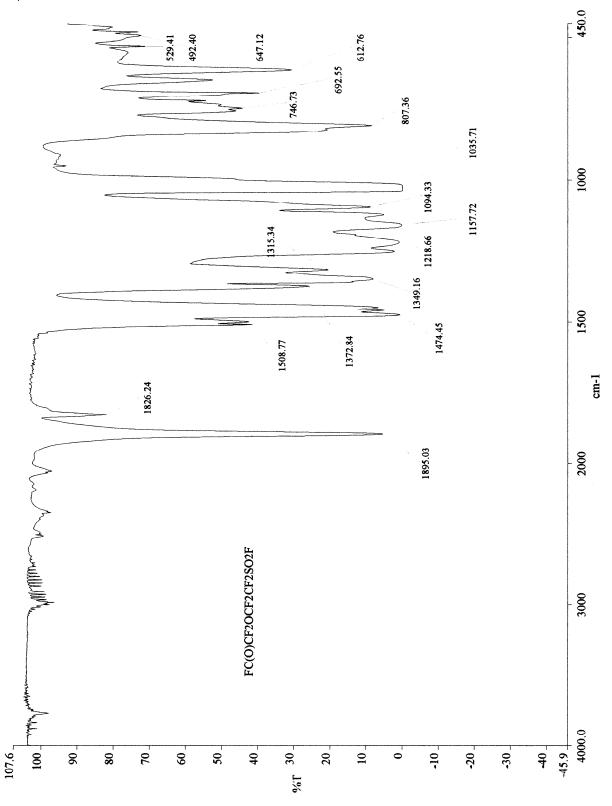


Figure S3. IR spectrum of 4.

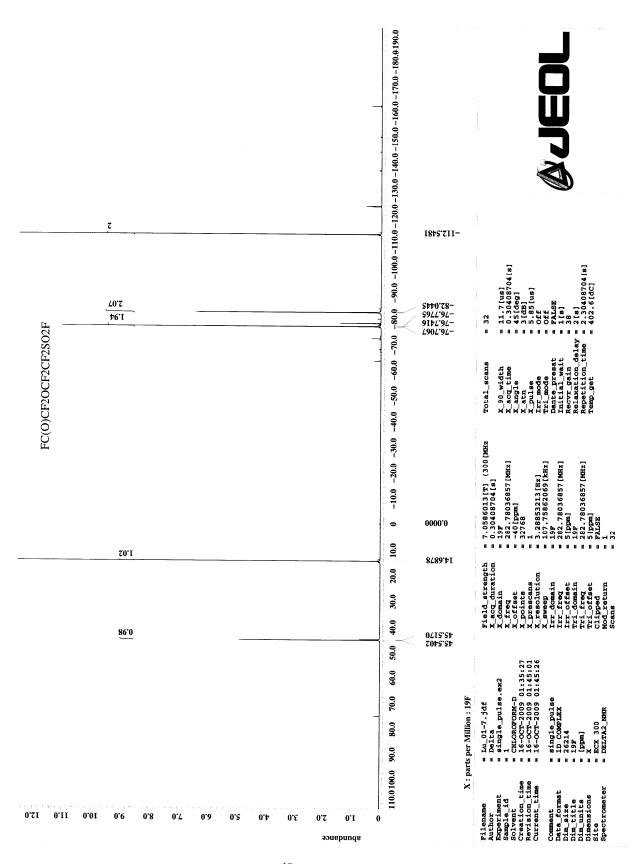
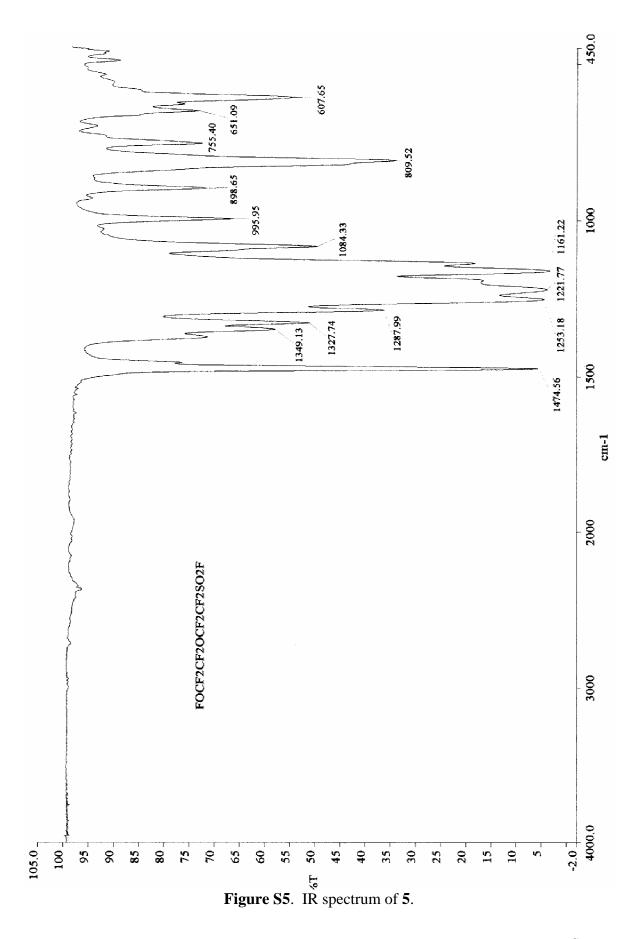


Figure S4. ¹⁹F NMR spectrum of **4**.



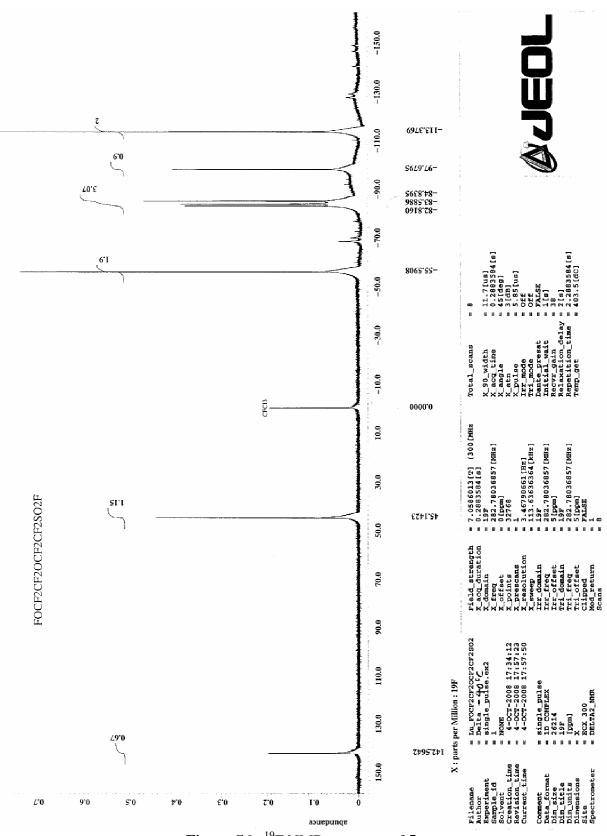


Figure S6. ¹⁹F NMR spectrum of 5.

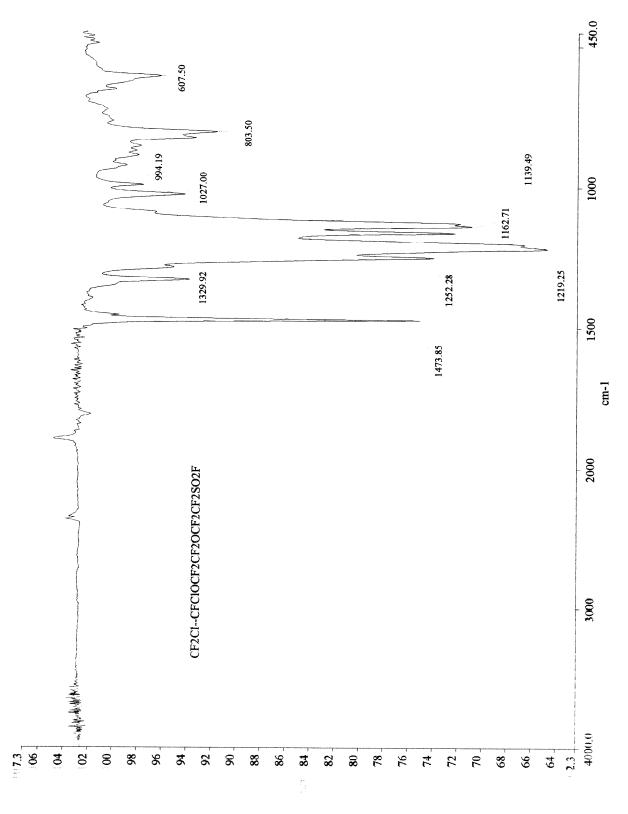


Figure S7. IR spectrum of 6.

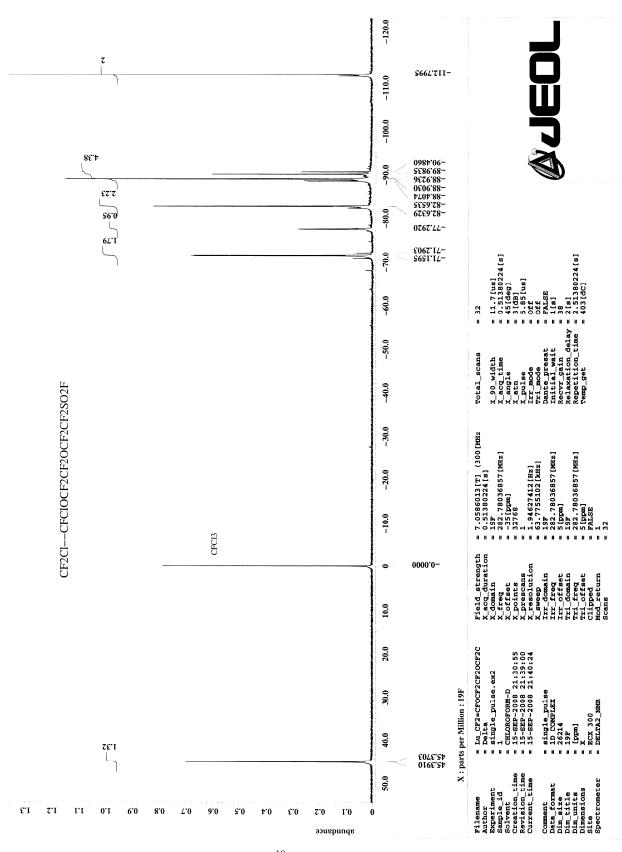


Figure S8. ¹⁹F NMR spectrum of 6.

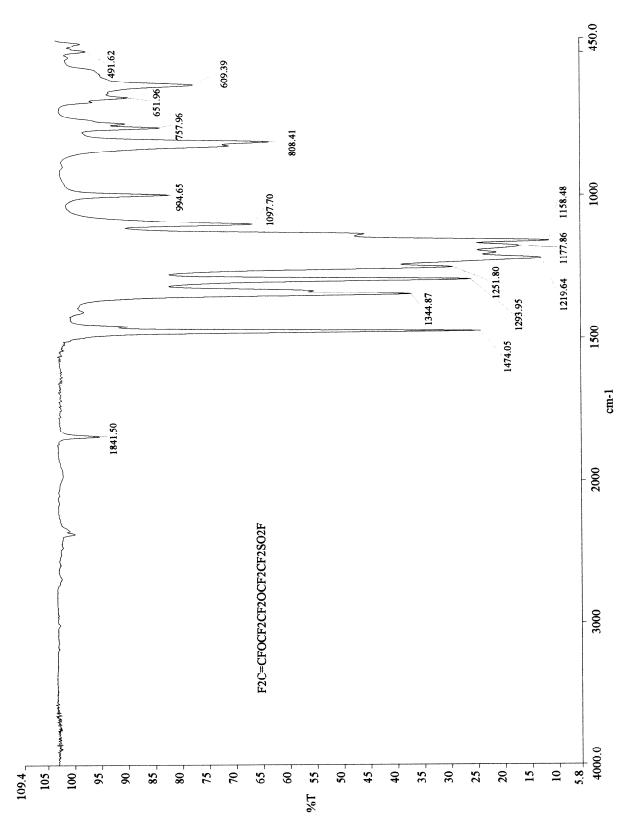


Figure S9. IR spectrum of 8 obtained via first synthetic route.

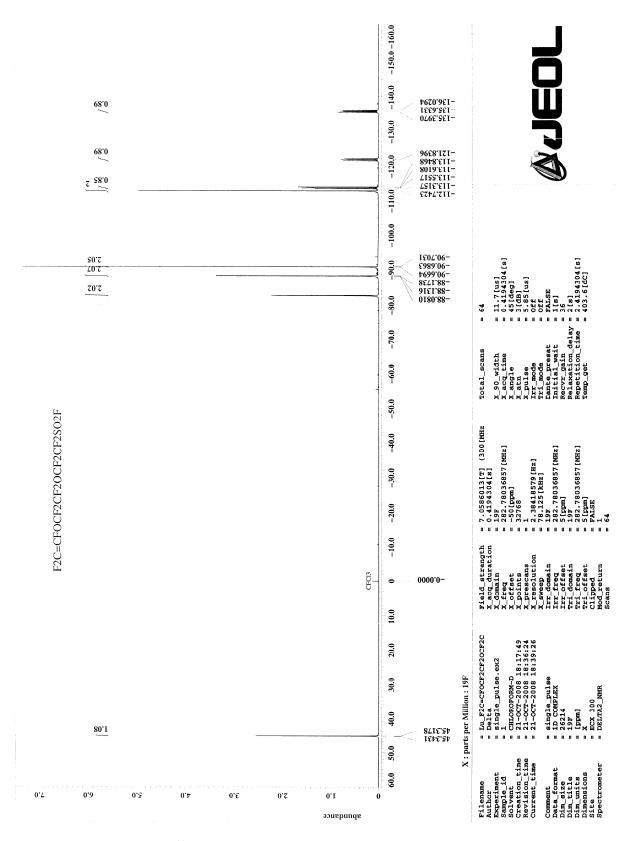


Figure S10. ¹⁹F NMR spectrum of 8 obtained via first synthetic route.

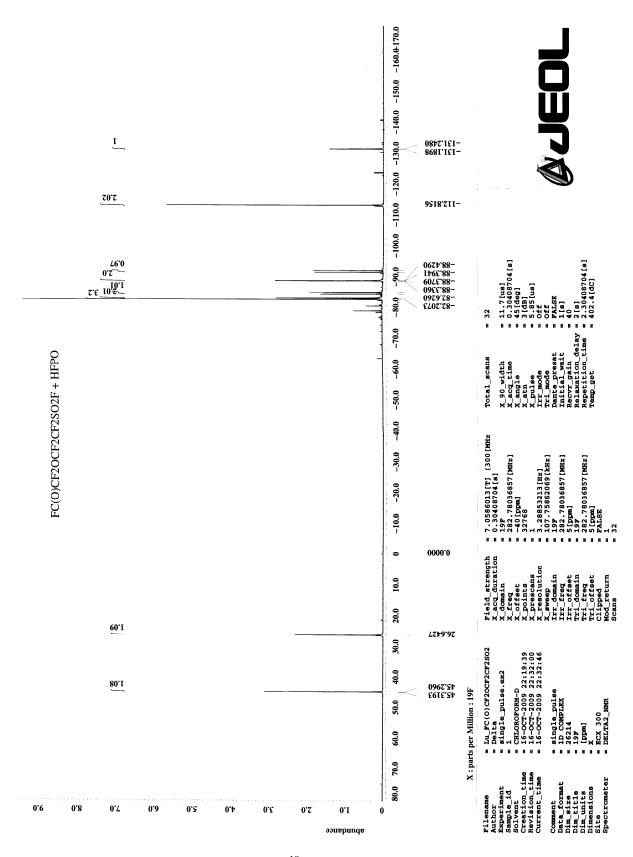


Figure S11. ¹⁹F NMR spectrum of 7.

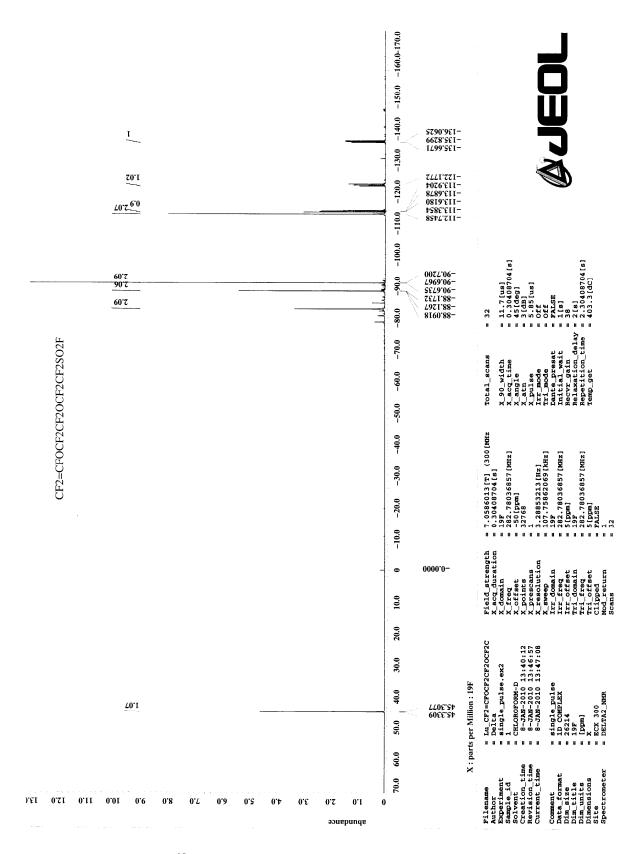
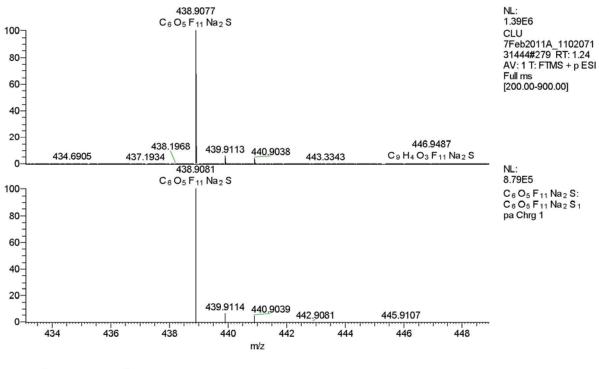


Figure S12. ¹⁹F NMR spectrum of 8 obtained via second synthetic route.



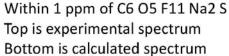


Figure S13. HRMS analysis of hydrolyzed 8 obtained via second synthetic route, $m/z[M-F+ONa+Na]^+ = 438.9077$, calcd (C₆O₅F₁₁SNa₂) 438.9081.