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Supplementary material: Synthesis and characterization of original fluorinated bis-cyclic carbonates and xanthates from a fluorinated epoxide

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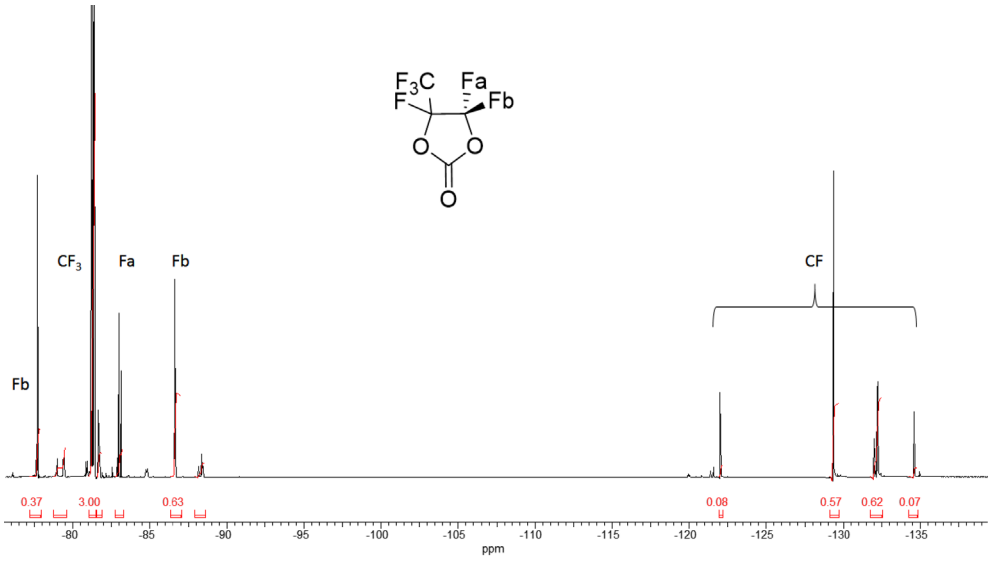
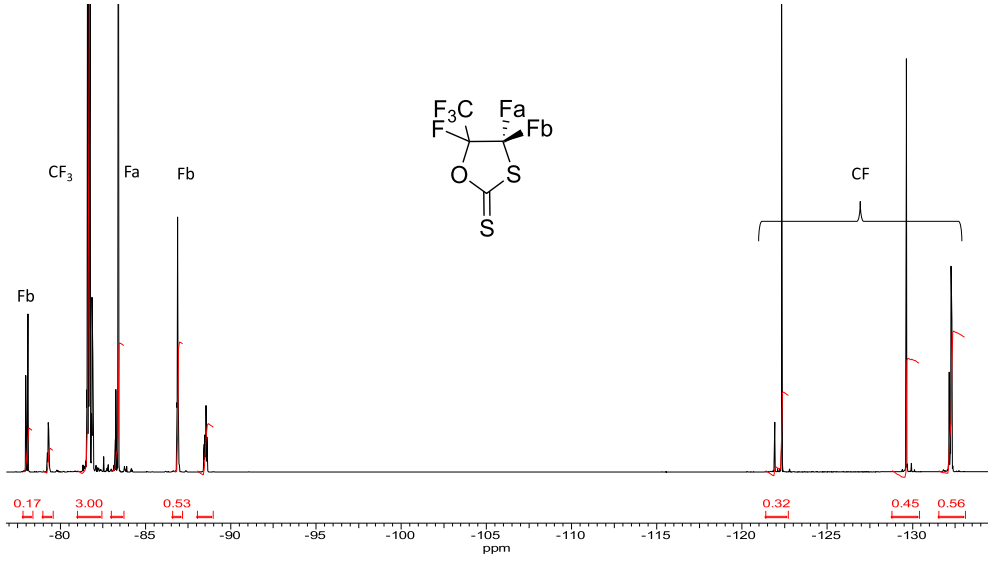
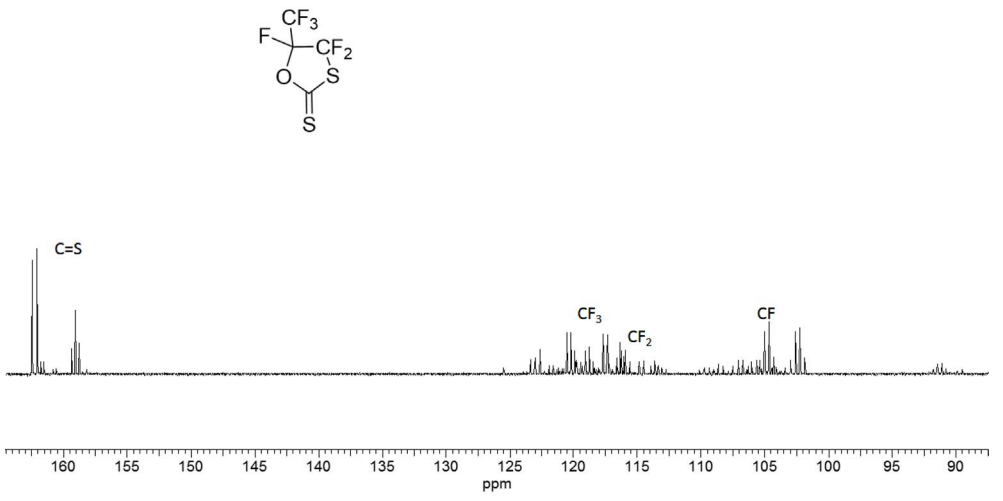


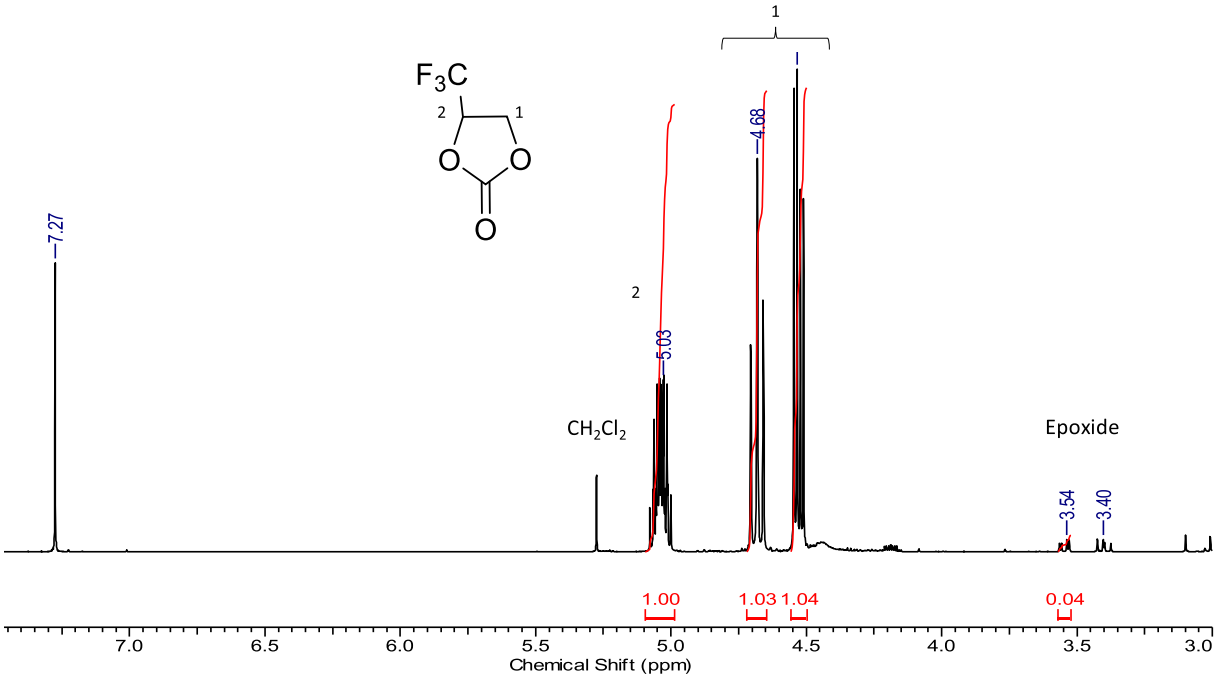
Supplementary Figure S1. ^{19}F NMR spectrum of (**1**) recorded in $CDCl_3$ (20 °C, 235.3 MHz).



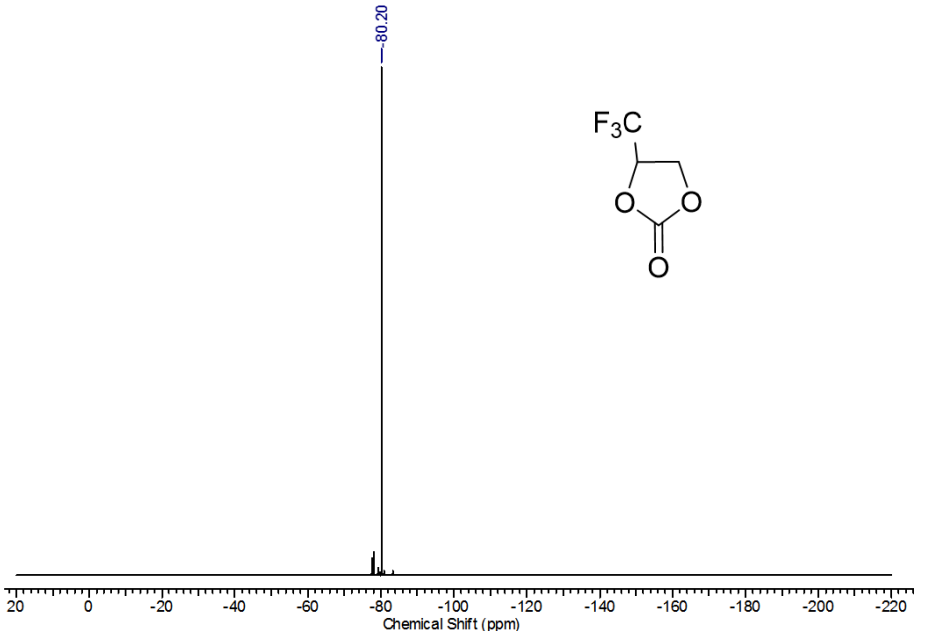
Supplementary Figure S2. ^{19}F NMR spectrum of (**2**) and (**2′**) recorded in $CDCl_3$ (20 °C, 235.3 MHz).



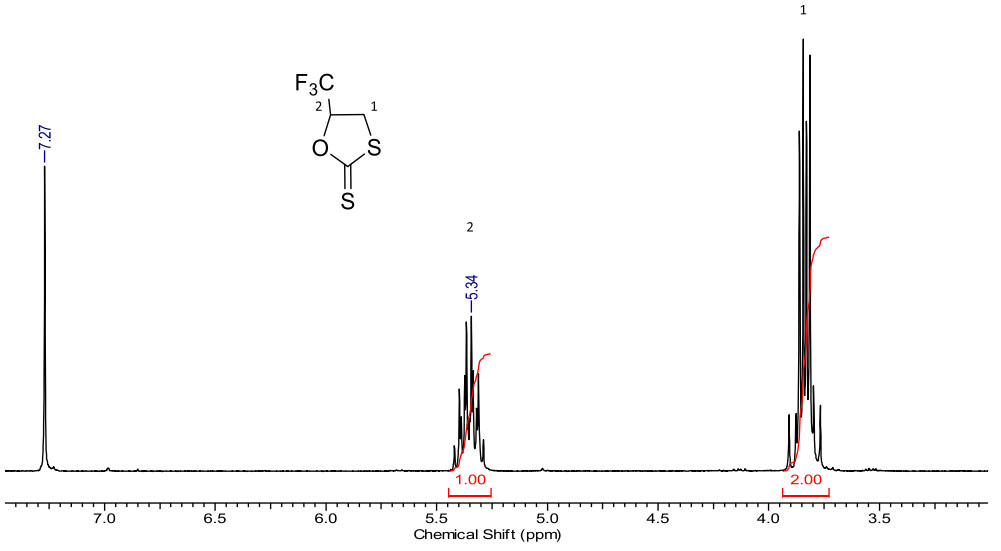
Supplementary Figure S3. ^{13}C NMR spectrum of (**2**) and (**2′**) recorded in $CDCl_3$ (20 °C, 100.6 MHz).



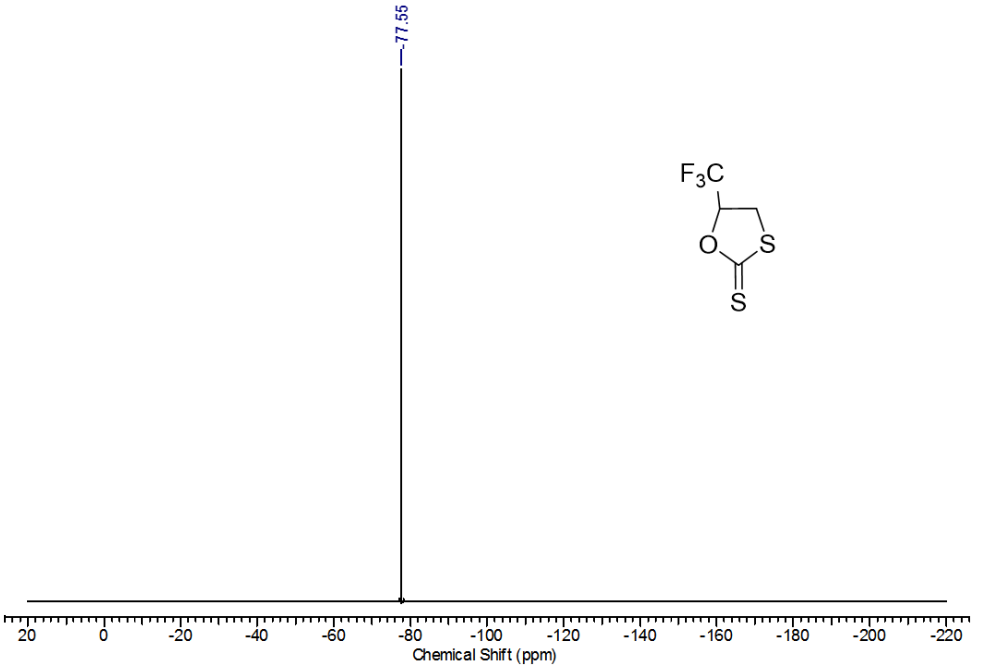
Supplementary Figure S4. ^{1}H NMR spectrum of (**3**) recorded in $CDCl_3$ (20 °C, 400.1 MHz).



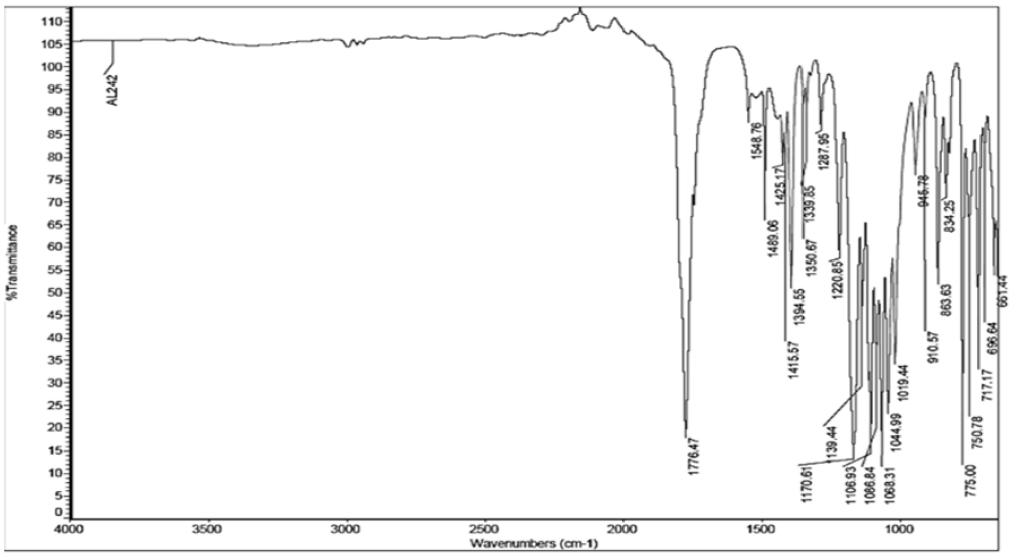
Supplementary Figure S5. ^{19}F NMR spectrum of (**3**) recorded in $CDCl_3$ (20 °C, 235.3 MHz).



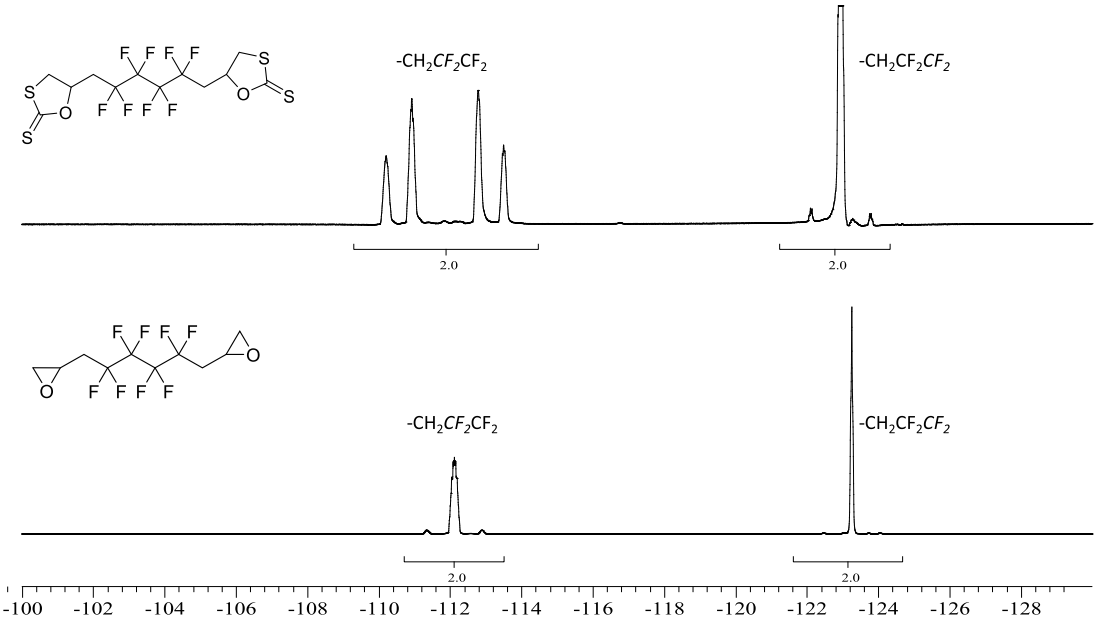
Supplementary Figure S6. ^{1}H NMR spectrum of (**4**) recorded in $CDCl_3$ (20 °C, 400 MHz).



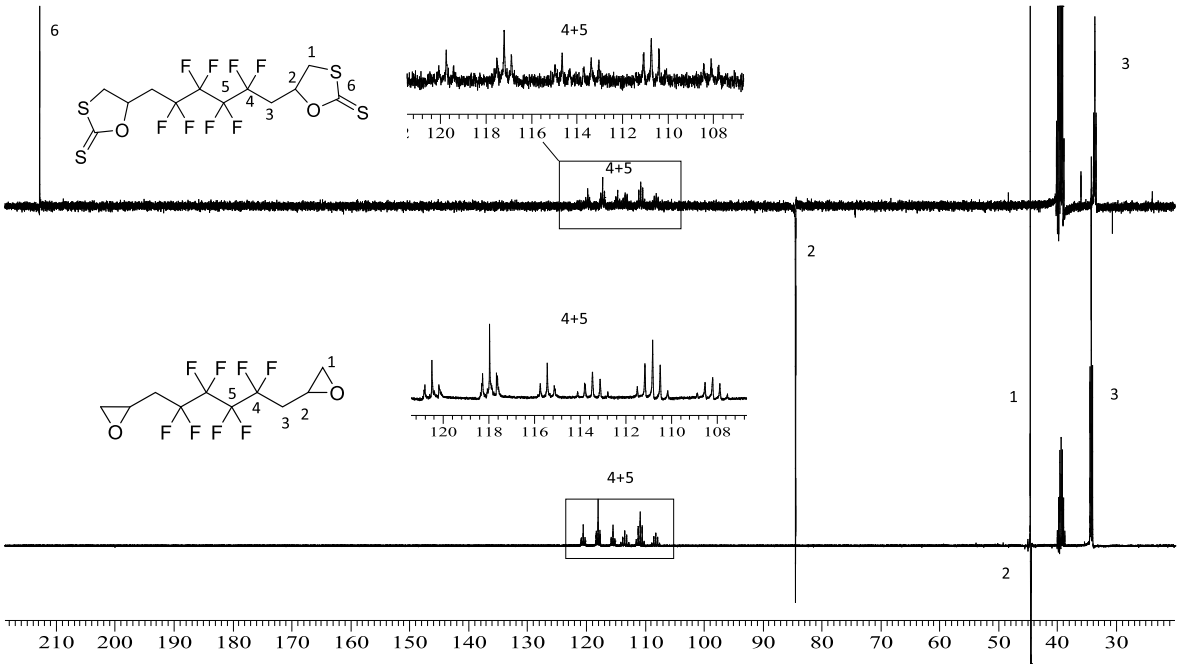
Supplementary Figure S7. ^{19}F NMR spectrum of (**4**) recorded in $CDCl_3$ (20 °C, 235.3 MHz).



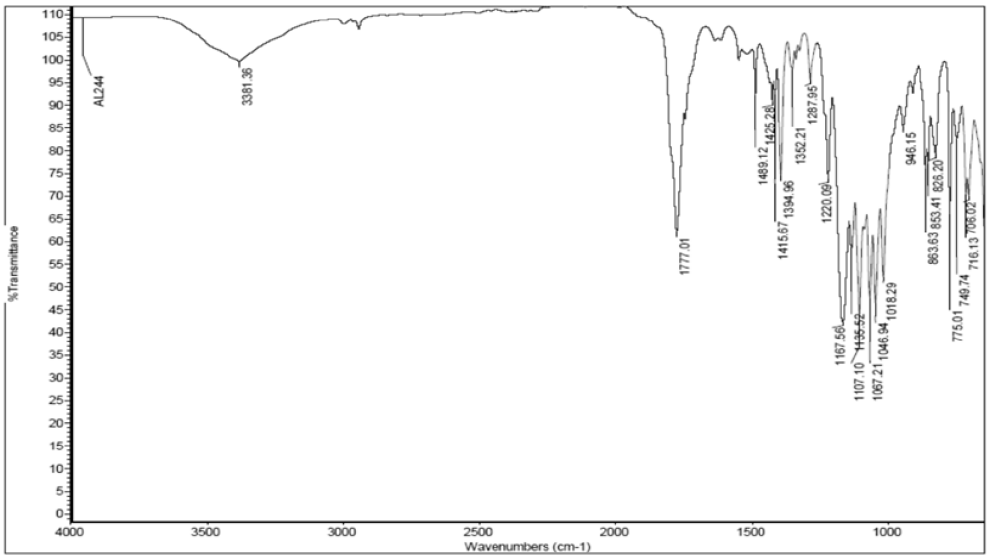
Supplementary Figure S8. FTIR spectrum of (**5**).



Supplementary Figure S9. ^{19}F NMR spectrum of (**6**) (upper spectrum) and BEPFB (lower spectrum) recorded in DMSO-d_6, (20 °C, 235.3 MHz).



Supplementary Figure S10. ^{13}C NMR spectrum of (**6**) (upper spectrum) and BEPFB (lower spectrum) recorded in DMSO-d_6 (20 °C, 100.66 MHz).



Supplementary Figure S11. FTIR spectrum of (**6**).