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## Synthesis and Properties of Five Ring Fused Aromatic Compounds Based S,S-Dioxide Benzothiophene

Yuhao Zhang, <sup>1</sup> Feng Peng, <sup>1</sup> Ruifeng He\*, <sup>1,2</sup> Lei Ying, <sup>1</sup> Wei Yang\*, <sup>1</sup> Yong Cao<sup>1</sup>

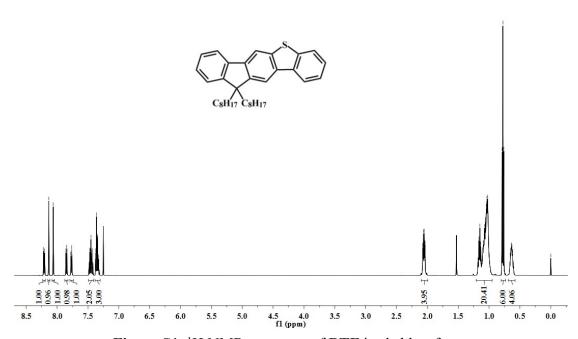


Figure S1. <sup>1</sup>H NMR spectrum of BTF in *d*-chloroform

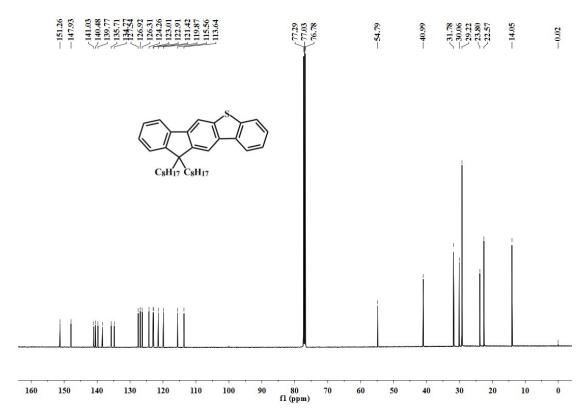


Figure S2. <sup>13</sup>C NMR spectrum of BTF in *d*-chloroform

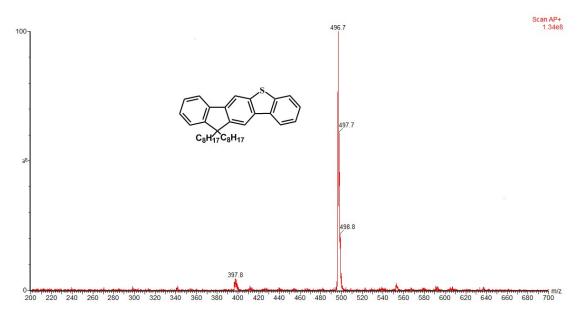


Figure S3. Mass spectrum of BTF

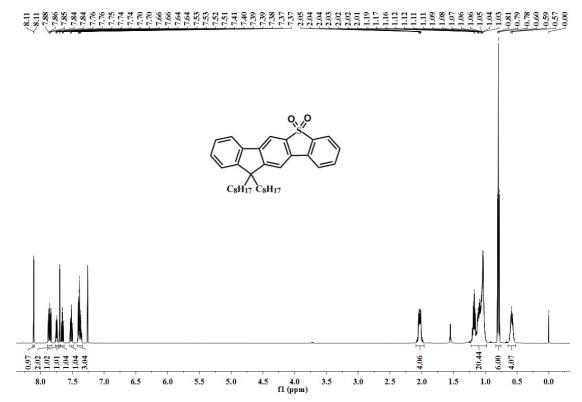


Figure S4. <sup>1</sup>H NMR spectrum of BTOF in *d*-chloroform

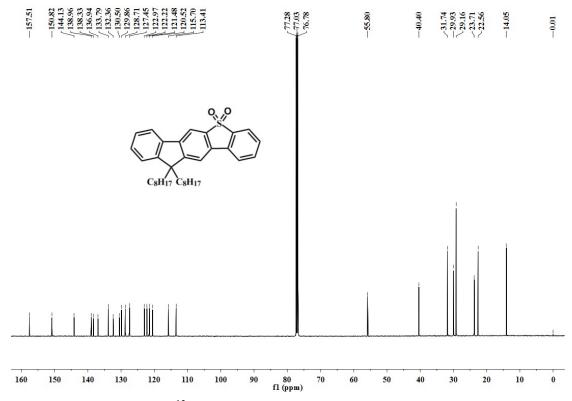


Figure S5. <sup>13</sup>C NMR spectrum of BTOF in *d*-chloroform

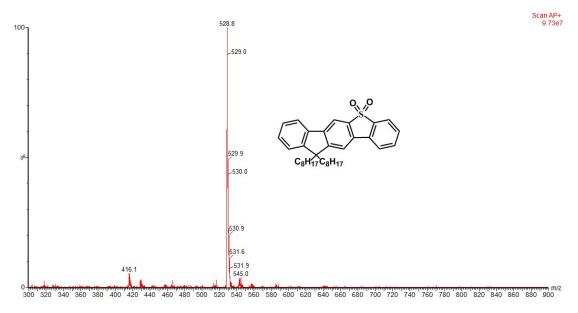


Figure S6. Mass spectrum of BTOF

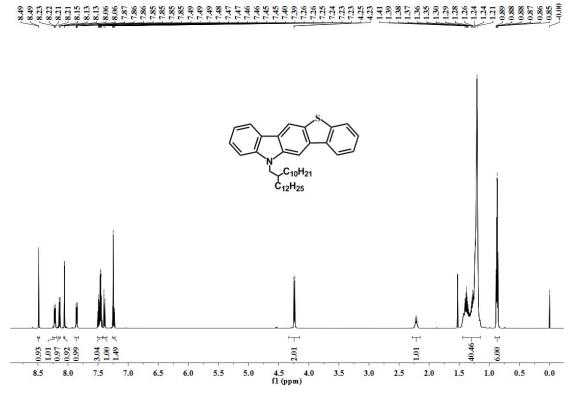


Figure S7. <sup>1</sup>H NMR spectrum of BTCz in *d*-chloroform

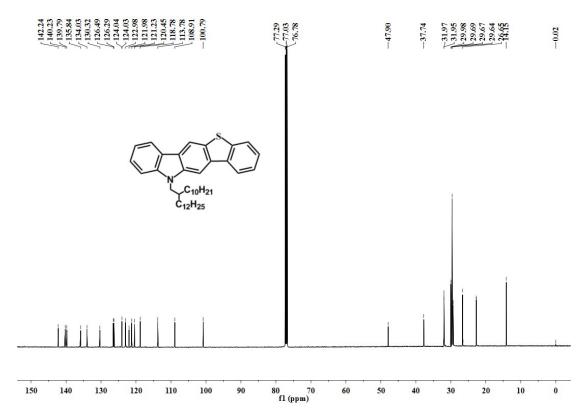


Figure S8. <sup>13</sup>C NMR spectrum of BTCz in *d*-chloroform

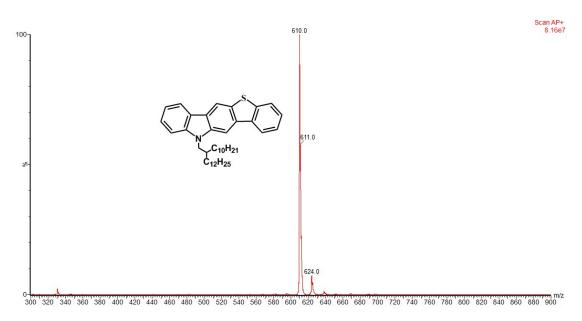


Figure S9. Mass spectrum of BTCz

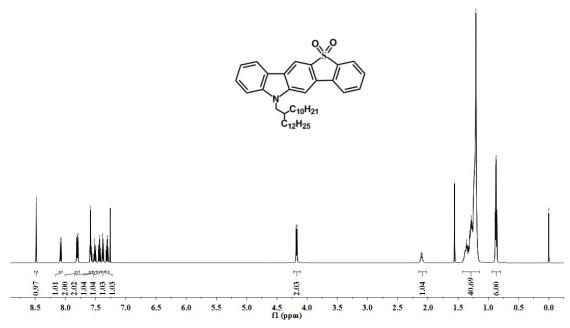


Figure S10. <sup>1</sup>H NMR spectrum of BTOCz in d-chloroform

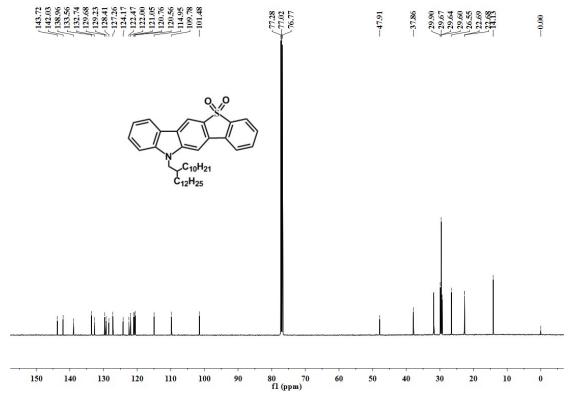


Figure S11. <sup>13</sup>C NMR spectrum of BTOCz in *d*-chloroform

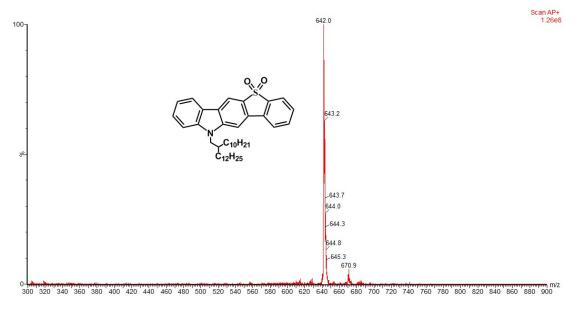


Figure S12. Mass spectrum of BTOCz