

Supplementary Data

Infrared and Raman spectra of β'' -(BEDT-TTF)₂RCH₂SO₃ (R = SF₅, CF₃): dimerization related to hydrogen bonding

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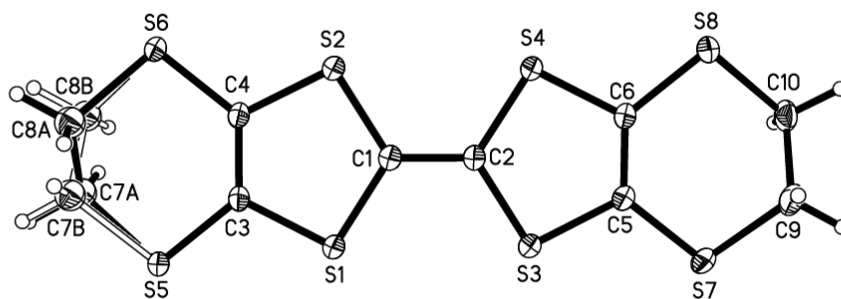


Figure S1. Atomic numbering scheme for BEDT-TTF radical cation A in the β'' -(BEDT-TTF)₂CF₃CH₂SO₃ structure at 150 K. Thermal ellipsoids are drawn at the 50% probability level.

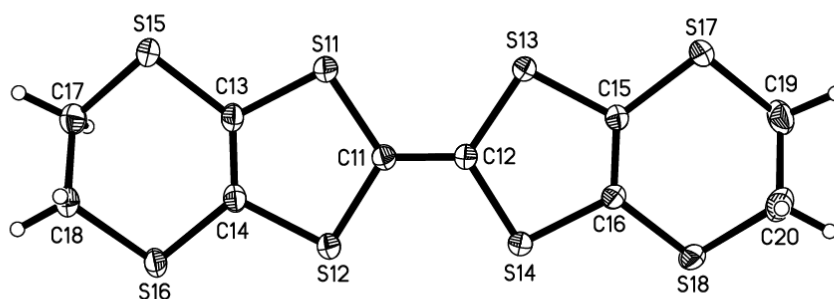


Figure S2. Atomic numbering scheme for BEDT-TTF radical cation B in the β'' -(BEDT-TTF)₂CF₃CH₂SO₃ structure at 150 K. Thermal ellipsoids are drawn at the 50% probability level.

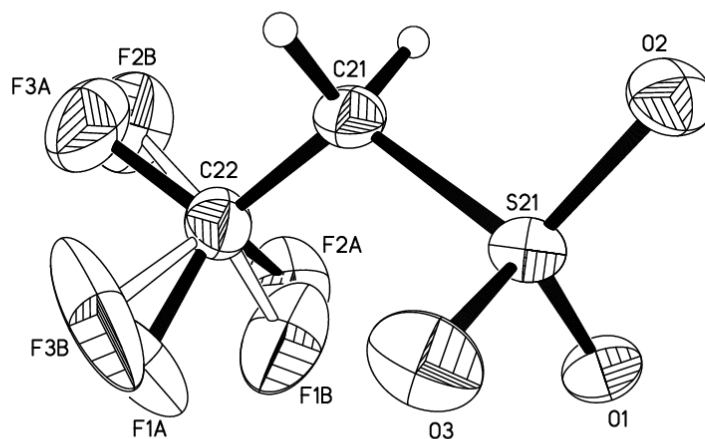


Figure S3. Atomic numbering scheme for the CF₃CH₂SO₃⁻ anion with in the β'' -(BEDT-TTF)₂CF₃CH₂SO₃ structure at 150 K. Thermal ellipsoids are drawn at the 50% probability level.

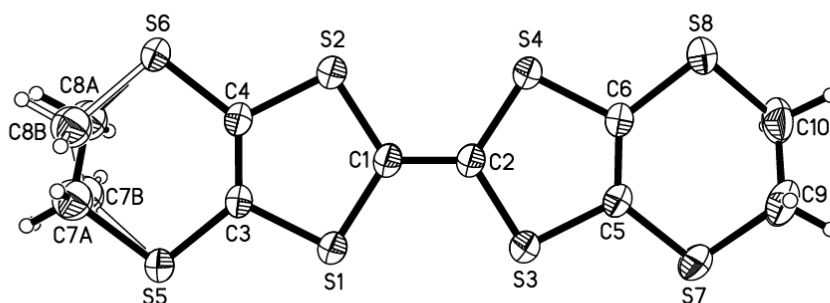


Figure S4. Atomic numbering scheme for BEDT-TTF radical cation A in the β'' -(BEDT-TTF)₂CF₃CH₂SO₃ structure at 298 K. Thermal ellipsoids are drawn at the 50% probability level.

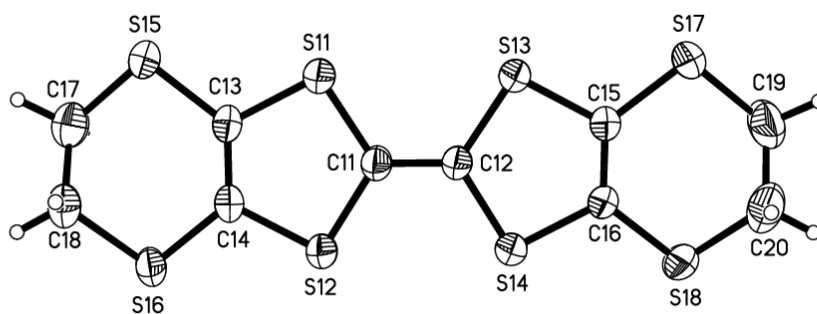


Figure S5. Atomic numbering scheme for the BEDT-TTF radical cation B in the β'' -(BEDT-TTF)₂CF₃CH₂SO₃ structure at 298 K. Thermal ellipsoids are drawn at the 50% probability level.

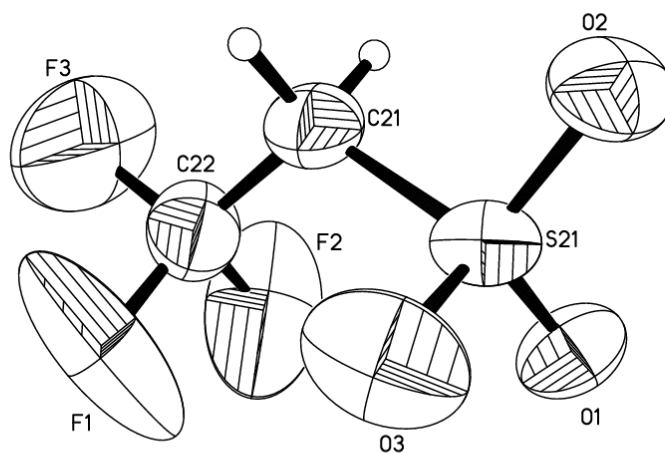


Figure S6. Atomic numbering scheme for the $\text{CF}_3\text{CH}_2\text{SO}_3^-$ anion with in the β'' -(BEDT-TTF) $_2\text{CF}_3\text{CH}_2\text{SO}_3$ structure at 298 K. Thermal ellipsoids are drawn at the 50% probability level.