

Electronic Supplementary Material

Structural Diversity in Charge Transfer Salts Based on Mo_3S_7 and $\text{Mo}_3\text{S}_4\text{Se}_3$ Clusters Complexes and Bis(ethylenedithio)tetrathiafulvalene (ET)

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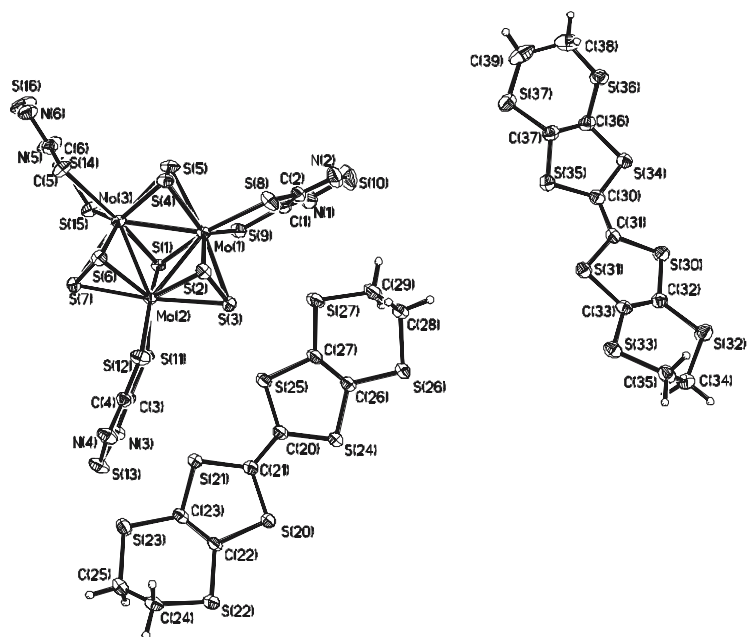


Figure 1S. ORTEP representation (50 % ellipsoids probability) of (ET)₂[1] salt.

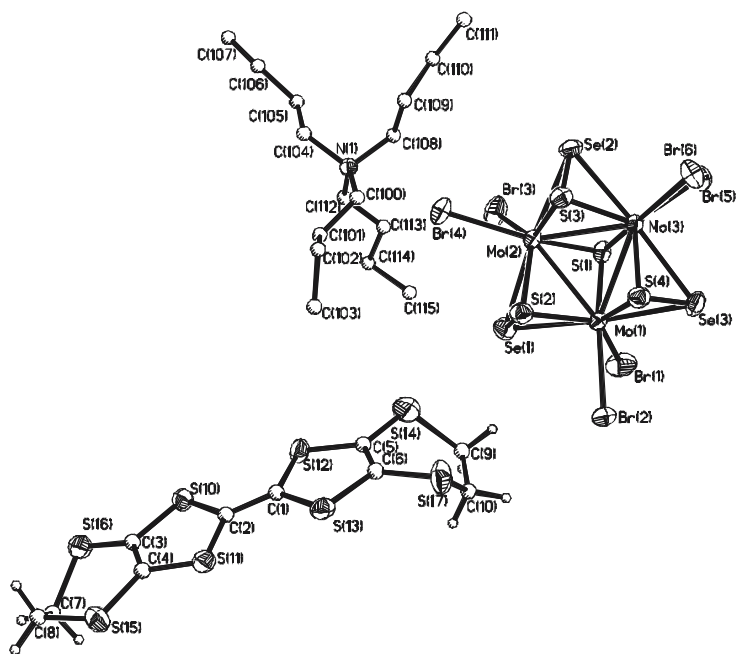


Figure 2S. ORTEP representation (50 % ellipsoids probability) of (ET)(n-Bu₄N)[2] salt.

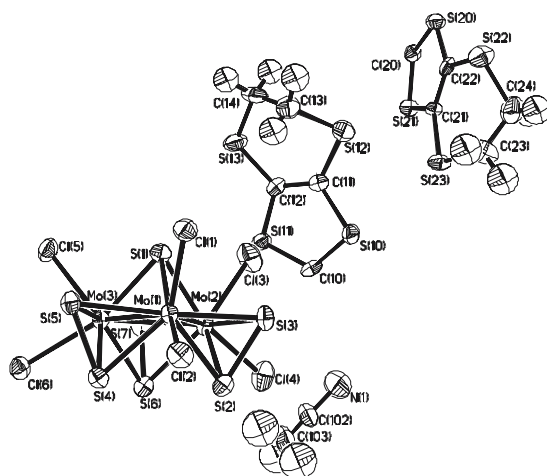


Figure 3S. ORTEP representation (50 % ellipsoids probability) of $(\text{ET})_2[\mathbf{3}]_2 \cdot \text{CH}_3\text{CN}$ salt.

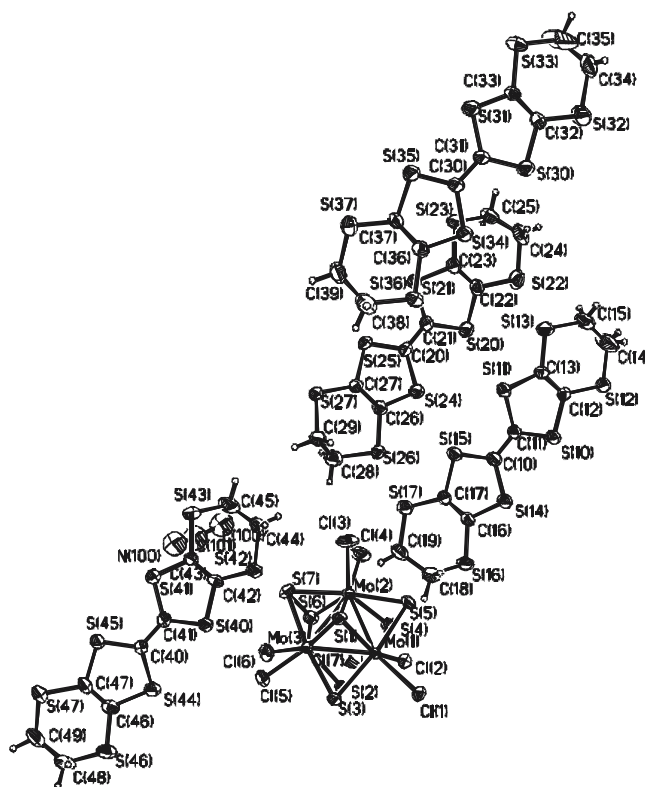


Figure 4S. ORTEP representation (50 % ellipsoids probability) of $(\text{ET})_8\{\mathbf{3}\}_2 \cdot \text{CH}_3\text{CN}$ salt.

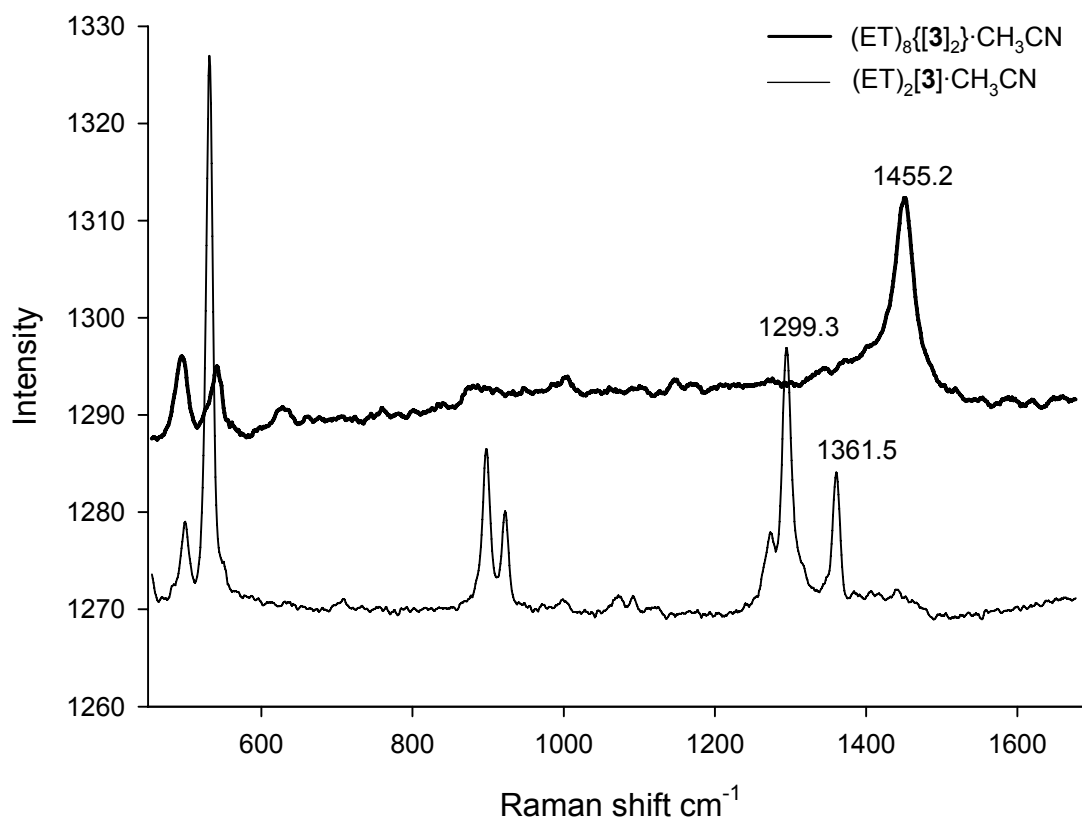


Figure 5S. Raman spectra of salts $(\text{ET})_2[\mathbf{3}] \cdot \text{CH}_3\text{CN}$ (bottom) and $(\text{ET})_8\{[\mathbf{3}]_2\} \cdot \text{CH}_3\text{CN}$ (top).

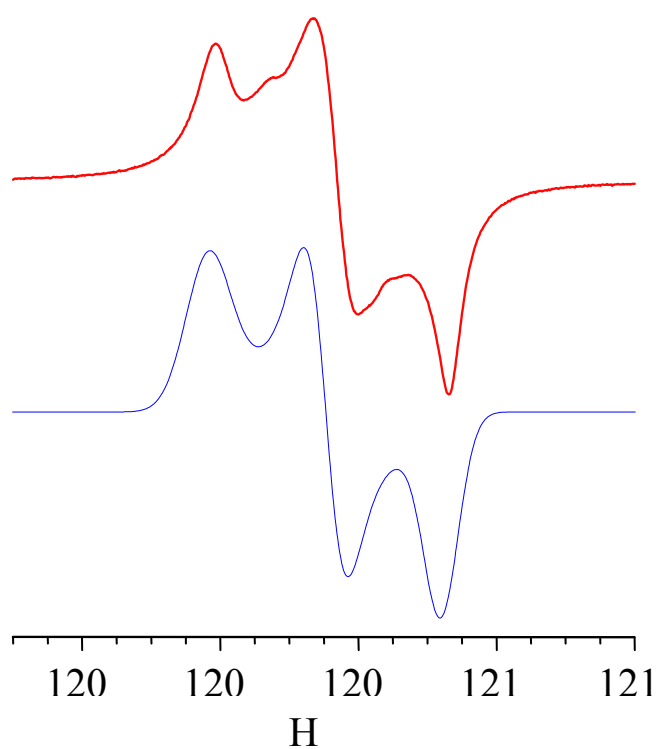


Figure 6S. Experimental (top) and simulated (bottom) low temperature (80K) X-band EPR spectra of salt $\text{ET}_8\{[\mathbf{3}]_2\text{Cl}\}\cdot\text{CH}_3\text{CN}$.