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Supporting Information

for

Supramolecular one-dimensional conducting nanofibers from a C_3-symmetric tetrathiafulvalene derivative

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Additional figures

Experimental Section

FTIR measurements.

FTIR spectra of MeS-TTF-Ts were recorded using a JASCO FT/IR-4200 spectrometer equipped with an ATR accessory. The measurements were performed on the powdered sample at room temperature.

SEM measurements.

For SEM observations, MeS-TTF-Ts was dissolved in DMF or DMSO at a concentration of 6 mM. The charge-transfer complex sample was prepared by mixing a DMF solution of MeS-TTF-Ts with an acetonitrile solution of F4TCNQ at a molar ratio of 1:3, and the final concentration was adjusted to 6 mM. The resulting solutions were drop-cast onto HOPG substrates and allowed to dry under ambient conditions to form cast films.

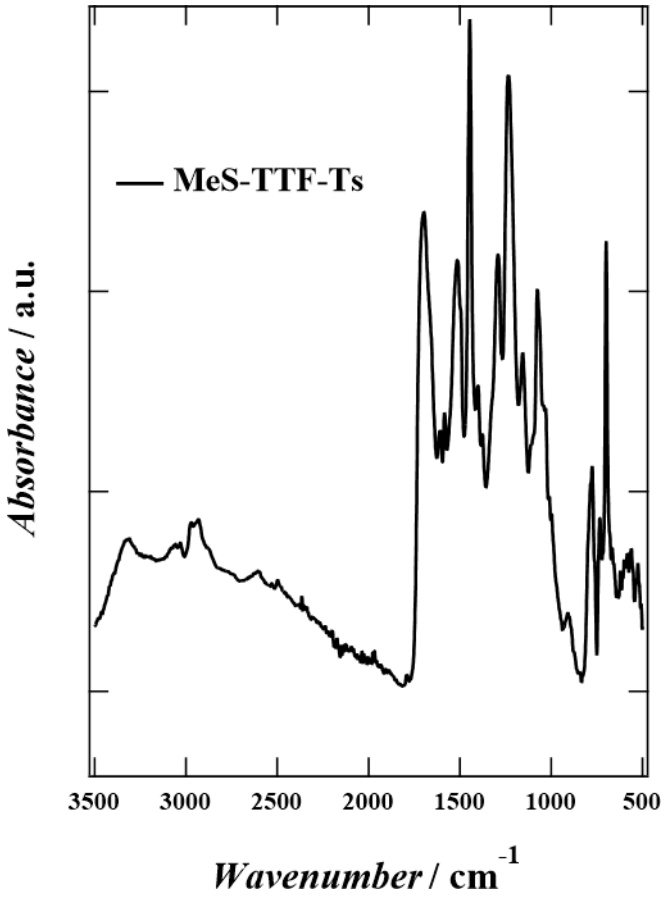

Figure S1: FTIR (ATR) spectrum of **MeS-TTF-Ts**.

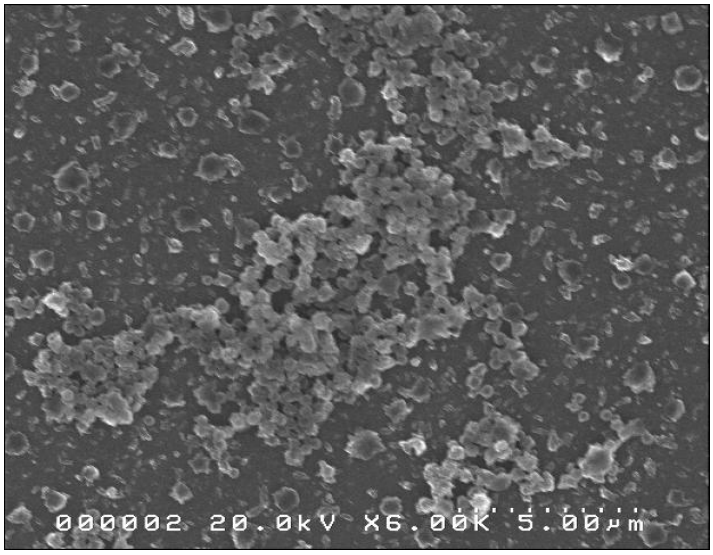

Figure S2: SEM image of a cast film of MeS-TTF-Ts deposited from a DMF solution on an HOPG substrate.

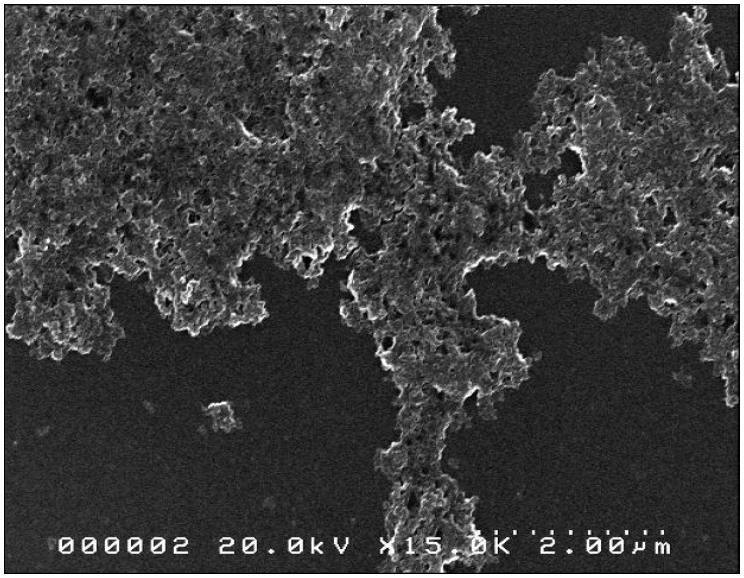

Figure S3: SEM image of a cast film of the C3-symmetric (**MeS-TTF-Ts**)$(F4TCNQ)_3$ charge-transfer complex deposited from a mixed solution of DMF and acetonitrile on an HOPG substrate.

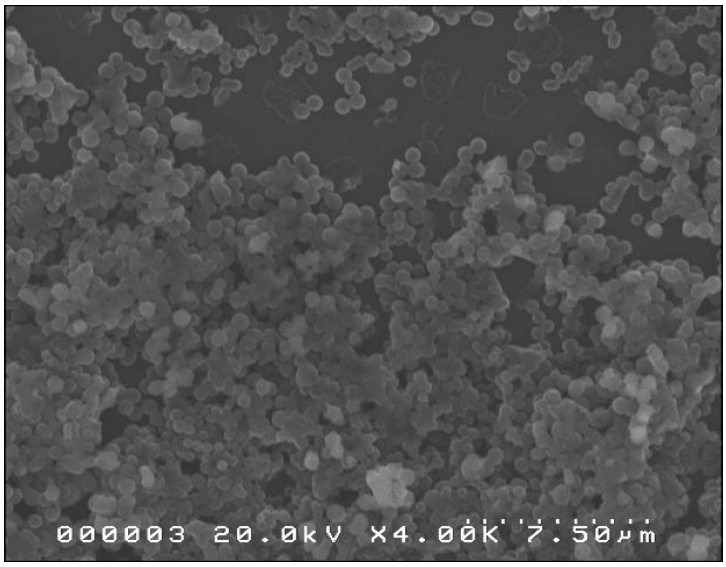

Figure S4: SEM image of a cast film of MeS-TTF-Ts deposited from a DMSO solution on an HOPG substrate.