

## Chiral Conductors From BEDT-TTF and Related Chiral Donor Molecules

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More than 20 years ago Dunitz, Karrer and Wallis raised the question as to how the chirality of a material might affect its electrical properties, and prepared and studied the enantiopure tetramethyl-BEDT-TTF donor molecules. More recently Rikken's studies on carbon nanotubes have shown that for a chiral conducting material in a magnetic field, the electrical resistance has a dependence on the handedness of the material.

As part of our ongoing research in the synthesis of multifunctional conducting materials exhibiting chirality we report a new family of enantiopure donor molecules and new salts incorporating chiral donors, anions or solvents.

