



Polarizability and Internal Charge Transfer in Thiophene-Triphenylamine Hybrid pi-Conjugated Systems

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Auteur	Ripaud, Emilie [1], Olivier, Yoann [2], Leriche, Philippe [3], Cornil, Jérôme [4], Roncali, Jean [5]
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Résumé en anglais	Extended star-shaped conjugated systems consisting of dicyanovinyl electron-acceptor units connected to a triphenylamine core by means of thiophene (T), thienylenevinylene (TV), and bithiophene (BT) conjugating spacers have been synthesized. The analysis of the electronic properties of the molecules by UV-vis absorption spectroscopy, cyclic voltammetry, and theoretical calculations shows that the electronic properties of the systems depend on the length and rigidity of the conjugating spacer.
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Liens

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