



Catechol-appended TTF derivatives

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Auteur	El-Ghayoury, Abdelkrim [1], Leliège, Antoine [2], Allain, Magali [3], Batail, Patrick [4]
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Résumé en anglais	EDT-TTF-CONHCatOH, a catechol-appended TTF derivative, 5 was synthesized through a straightforward strategy. The electronic absorption and the electrochemical investigations as well as molecular orbital calculations for compounds 4 and 5 have been performed. The electrochemical measurements of 5 indicate that it is a suitable candidate for the formation of zwitterionic molecular solids and also two-component radical cation salts. The crystal structure of compound 5 reveals supramolecular dimers assembled via a set of O-H center dot center dot center dot O hydrogen bonds between the catechol and amide units.
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Liens

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