



A Metal-Directed Self-Assembled Electroactive Cage with Bis(pyrrolo)tetrathiafulvalene (BPTTF) Side Walls

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Auteur	Bivaud, Sébastien [1], Balandier, Jean-Yves [2], Chas, Marcos [3], Allain, Magali [4], Goeb, Sébastien [5], Sallé, Marc [6]
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Résumé en anglais	<p>A straightforward synthesis of a bis-(pyrrolo)tetrathiafulvalene (BPTTF)-based tetratopic ligand bearing four pyridyl units is described. The first example of a TTF-based self assembled cage has been produced from this redox-active ligand through metal directed synthesis with a cis-coordinated square-planar Pt(II) complex. The resulting cage corresponds to a trigonal-prismatic structure, as shown by X-ray crystallography. A UV-vis titration indicated that the electron-rich cavity can be used to incorporate one molecule of tetrafluorotetracyano-p-quinodimethane (TCNQF(4)).</p>
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Liens

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