

Dipyrrin-bis(*N*-confused porphyrin) conjugate: synthesis, synergetic ligation and chirality sensing.

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A fully conjugated system **4** consisting of two 2-aza-21-carbaporphyrin (NCP) subunits bridged by dipyrin was synthesized by a highly selective condensation of 3-pyrrole-NCP **2** with aryl aldehydes. The free base **4** as well as its silver(III) complex **5** exhibited flexibility of the bridge allowing synergetic binding of Ag^I, thus leading to a mixed-valence tetraporphyrinic assembly consisting of eight silver atoms which was characterized both in the solid state and in solution. Binding of chiral acid by **4** and **5** was shown by observation of an induced optical activity of the adducts.

Słowa kluczowe

dimerization, dipyrin, porphyrinoids, self-assembly, silver complexes

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