



Expanded porphyrin contraction: from [22]triphyrin(6.6.0) to [22]triphyrin(6.5.0).

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Streszczenie

An expanded triphyrin containing a bipyrrole moiety and annulene links, namely tetraphenyl-[22]triphyrin(6.5.0), **2**, has been synthesized. The synthesis proceeded by a postsynthetic transformation of tetraphenyl-[22]triphyrin(6.6.0), **1**, in a metal-free unexpected and unprecedented ring contraction during column chromatography on alumina. The observed transformation, located at the hydrocarbon chain linking the pyrrole units, formally corresponds to a subtraction of one carbon atom from an annulene circuit. In contrast to the flexible substrate **1**, the product **2** is conformationally rigid, and capable of chloride anion binding in its protonated form.

Słowa kluczowe

Alumina, anion binding, porphyrinoids, ring contraction,
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