

Multi-cation coordination in porphyrinoids.

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Porphyrinoid macrocycles are unbreakably linked with the coordination of central cations that drastically influence the observed behavior. A specific place has been recorded for structures where more than one cation is entrapped in a single macrocycle. It has been a characteristic feature of expanded porphyrinoids where the increased coordination space allows a multiple coordination. Because of specific steric confinements, an incorporation of more than one cation within regular or contracted porphyrinoids is more demanding but it can be realized on several ways significantly modifying the observed behavior. We will discuss synthetic strategies leading to structures with increased number of cations and the influence on the observed behavior of such modification.

Słowa kluczowe

aromaticity, coordination, porphyrinoids, tetraphyrin, triphyrin

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