

Inversion triggered by protonation : a ruybrin with embedded α,β' -pyridine moieties.

Autorzy

Radomir Myśluborski
Karolina Hurej
Miłosz Pawlicki
Lechosław Latos-Grażyński

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Streszczenie

Incorporation of α,β' -pyridine into a [26]hexaphyrin(1.1.0.1.1.0) frame resulted in formation of 29,33-diaza-A,D-di-p-benzi[26]hexaphyrin (A,D-di-p-pyrirubyrin), which acquires a strictly planar conformation with two nitrogen pyridine atoms directed to the center of the macrocyclic core. The mode of α,β' -pyridine incorporation results in efficient 26-electron π -conjugation, as shown by the clear spectroscopic and structural aromatic features. The formation of the trication and tetracation through protonation is accompanied by a conformational flip of one or two pyridinium moieties to result in N-confused or doubly N-confused conformers of the original macrocyclic frame.

Adres publiczny

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