

28-Hetero-2,7-naphthiporphyrins: horizontal expansion of the *m*-benziporphyrin macrocycle.

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Streszczenie

Replacement of the *m*-phenylene moiety of *m*-benziporphyrins with the 2,7-naphthalenyl subunit yielded 28-hetero-2,7-naphthiporphyrins—macrocycles that can be considered as expanded carbaporphyrinoids. This group retains some features of parent *m*-benziporphyrins, but due to larger size and different shape of the macrocyclic cavity, their coordination properties are different. Upon reduction and conformational rearrangement the 28-thia- and 28-selena-2,7-naphthiporphyrin form organophosphorus(V) complexes.

Słowa kluczowe

Hydrocarbons, Ligands, Aromatic compounds, Cavities, Macrocycles

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