

N-methyltetraphenylporphyrin with an inverted *N*-methylpyrrole ring: the first isomer of *N*-methyltetraphenylporphyrin.

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Streszczenie

In the course of the mild methylation of 5,10,15,20-tetraphenyl-21-carbaporphyrin (CTPPH₂) a novel isomer of *N*-methyl-5,10,15,20-tetraphenylporphyrin with an inverted *N*-methylated pyrrole ring, *i.e.* 2-*N*-methyl-5,10,15,20-tetraphenyl-21-carbaporphyrin (2-NCH₃TPPH) has been synthesised. The protonation of 2-NCH₃CTPPH proceeds stepwise including mono- and two di-cationic species. 2-NCH₃CTPPH can be considered as a new anion-specific binding agent. The lability of the 21-CH proton afforded the easy insertion of nickel(II) to form a stable organometallic macrocyclic complex.

Adres publiczny

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