



Application of 2-ethylpyrrole for a direct synthesis of 3-substituted inverted porphyrins.

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Streszczenie

3-Ethyl-5,10,15,20-tetraphenyl-2-aza-21-carbaporphyrin is the major macrocyclic product in the condensation of 2-ethylpyrrole, pyrrole, and benzaldehyde. Oxidation of the ethyl substituent leads to 3-(1'-hydroxyethyl)- and 3-acetyl-substituted inverted porphyrins. Stochastic, Rothmund-type condensation of pyrrole, 2-ethylpyrrole and an arylaldehyde leads to a 3-ethyl-substituted inverted porphyrin that is readily convertible to 3-(1'-hydroxyethyl)- and 3-acetyl-inverted porphyrins.

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