



First synthesis of azachlorins and azacorrins with a N-atom in β -pyrrolic positions.

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Rok wydania

2014

Czasopismo

Helvetica Chimica Acta

Numer woluminu

97

Strony

188-196

DOI

10.1002/hlca.201300303

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

Azachlorins **7** and **11**, and azahexadehydrocorrin *rac*-**10** are novel structural types of tetrapyrrolic macrocycles. Synthesis of the target structures bearing N-atoms in the β -periphery of the macrotetracycles could be achieved by attaching an imidazole moiety **4** to the tricyclic Ni complex *rac*-**5**, followed by cyclization. Depending on the central metal ion of the bilin intermediates *rac*-**6a** and *rac*-**6b**, chlorin- or corrin-type structures were formed by cyclization.

Adres publiczny

<http://dx.doi.org/10.1002/hlca.201300303>

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