

Improved Conversion of Dihydrooroidin to Oroidin and Ugibohlin

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Z. Naturforsch. **2009**, *64b*, 1612 – 1616; received October 20, 2009

Dedicated to Professor Hubert Schmidbaur on the occasion of his 75th birthday

Dihydrooroidin was converted to the marine natural product oroidin in 75 % overall yield by chlorination of the 2-aminoimidazole unit in DMF, followed by dehydrochlorination. The natural product ugibohlin was synthesized for the first time by ring opening of dibromoisophakellin, which was obtained in a quantitative manner by heating the free base of dibromophakellin in neutral aqueous solution.

Key words: 2-Aminoimidazole, Dibromophakellin, Marine Natural Products,
N-Methyldibromoisophakellin, Pyrrole-Imidazole Alkaloids