

Reaktionen von Isochinolinium-Salzen mit Hydroxylamin-Derivaten, 2. Mitteilung

N-(Alkyl)- und N-(Aryl)-substituierte Verbindungen

Reactions of Isoquinolinium Salts with Hydroxylamine Derivatives, 2nd Communication
N-(Alkyl) and N-(Aryl) Substituted Compounds

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The N-alkyl- and N-aryl-isoquinolinium salts **7**, **15–17** reacted with free hydroxylamine in pyridine to give the isoquinoline-2-oxide (**9**) as final product. The intermediate dioximes **8** were isolated and characterized by derivatisation with acetic anhydride to the oxime ester nitrile **10**. From the reaction of **8** with trifluoroacetic anhydride/triethylamine 3-amino-isoquinoline-2-oxide (**12**) resulted after hydrolysis. Due to the electronic influence the 5-nitro-isoquinolinium salts **1–3** react faster than the 5-hydroxy derivative **20**, but with the same course of conversion *via* dioximes to amine oxides. An optimized method for preparation of the amine oxides was developed.

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