

Nachbargruppenbeteiligung bei der Dehydrierung cyclischer Amine vom Typ *o*-substituierter Anilinderivate

Neighbourgroup Participation with the Dehydrogenation of Cyclic Amines of the *o*-Substituted Aniline Type

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The 2-Aminobenzylalcohols **1a - c** produced with mercury-edta dehydrogenation the lactams **6a - c**; the pipercoline **2b** yielded the benzoxazine **3b** indicating the participation of the nucleophilic hydroxymethyl group. The 2-aminobenzaldehydes showed a different behaviour in dependence on the ring size of the amine part: **7a, b** led – via intermediate reaction of the hemiaminal **9** with the electrophilic formyl function – to the lactams **11a, b**, while **7c** gave rise to the aminoaldehyde **12** as major product and similarly the pipercoline **15** to the aminoketone **16**. From 2'-(4-morpholinyl)-acetophenone (**22**) were received the lactam **31** and the aminoethanol **32**, both by a twofold dehydrogenation.

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