

Introduction of Substituents on the 2-Oxo-piperazine Skeleton by [3+2] Cycloaddition and Subsequent Transformation*

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The 3,4-substituted 2-oxo-piperazines **5** – **9** are obtained by [3+2] cycloaddition from nitron **1** and a variety of alkenes. Subsequent functionalization of the bicyclic adducts involves reductive N-O bond cleavage. A route towards libraries of immobilized 1,3-aminoalcohols with a 3,4-substituted 2-oxo-piperazine scaffold is briefly discussed for adducts derived from *N*-substituted maleic imides.

Key words: 2-Oxo-piperazine, Scaffold, [3+2] Cycloaddition, Nitron, N-O Bond Cleavage