Novel Tandem Cyclisations at the Piperazinedione Ring *via* Cope Rearrangement*

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Dedicated to Prof. Dr. Bärbel Schulze on the occasion of her 60th birthday

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3-Ylidene-piperazine-2,5-diones, Cope Rearrangement, α-Amino Acids

Novel rearrangements of 3-ylidene-piperazine-2,5-dione (**1**) were achieved affording Cope rearrangement products **3** and **4** under neutral conditions or tricyclic piperazine-2,5-diones **5**, *rac*-**6** and **7** by additional tandem cyclisation in formic acid. Cope rearrangement products **3** and **4** were transformed into new quaternary α-amino acids **9** and **11** by hydrogenation and hydrolysis.