

Synthese und Kristallstrukturanalyse eines 2,4-Diaryl-2,3-dihydro-1*H*-1,5-benzodiazepins

Synthesis and Crystal Structure Analysis of a 2,4-Diaryl-2,3-dihydro-1*H*-1,5-benzodiazepine

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The enone unit of chalcones is a synthetically valuable substructure for the formation of heterocycles. Whereas propoxy groups as solubilizing side chains on the phenyl groups do not much affect the generation of pyrazole and pyridine rings, they reduce significantly the yield of the diazepine ring system **4**. We attribute this effect to the large twist angles between the ring planes, which are demonstrated by a crystal structure analysis.

Key words: Enones, Diazepines, Conformation