

杂 的二氢和四氢-2-甲基-4-芳基(1,5)苯并硫氮杂 的构象分析(I)

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摘要

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**Conformational analysis of dihydro-and tetrahydro-2-methyl-4-aryl -benzo-(1,5)-thiazepines**

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**Abstract** Some dihydro-and tetrahydro-2-methyl-4-aryl-benzo-(1,5)-thiazepines are subjected to spectroscopic studies (NMR, IR and UV) and their conformations are discussed. The formation of the dihydro- compounds is highly selective and its conformation assumes a boat-like form. The reduction of the dihydrocompounds takes place stereospecifically with the formation of the tetrahydrocompounds which assumes a twist boat conformation. A benzalaniline system is present in these dihydro-compounds, but the N-phenyl forms a part of the heterocyclic ring system and can not rotate around the C=N bond. The angle between the planes of -C (Ar)=N- and benzoring is about 50° and conjugative effect between these two rings still can be shown.

**Key words** [NITROGEN HETEROCYCLICS](#) [SPECTROGRAPHIC ANALYSIS](#) [SULFUR HETEROCYCLICS COMPOUNDS](#) [CONFORMATION](#) [SEVEN MEMBER RING HETEROCYCLICS COMPOUNDS](#)

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