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Study of the multipositional conformational exchange in 2,2-dimethyl-1,3-dithiepin and its 5,6-benz analog by two-dimensional NMR spectroscopy

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Abstract

Two-dimensional NMR spectroscopy was used to establish that the chair \rightleftharpoons chair-inversion process in 2,2-dimethyl-1,3-dithiepin and its 5,6-benz derivative is a function of transitions between intermediate boat and twist structures, while the role of direct chair \rightleftharpoons chair transitions is small. © 1990 Plenum Publishing Corporation.

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