

Features of Quinoxaline Reactions with C-Nucleophiles: Examples of Dimerization of Heterocycle in Course of Hydrogen Substitution

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Abstract—Reaction of quinoxaline or its 6,7-difluoroderivative with C-nucleophiles in nitrogen atmosphere afforded along with the products of hydrogen substitution in the heterocyclic ring the corresponding bis-quinoxalines. An ESR signal of the cation-radical of the diprotic salt of quinoxaline was detected in the DMSO solution of quinoxaline and dimedone.

Keywords: quinoxalines, C-nucleophiles, hydrogen substitution, dimers of quinoxaline

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