

Synthesis of *N,N'*-Linked Isothiazolium Salts via Intramolecular Cyclocondensation of Hydrazonium Salts*

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Interaction of β -thiocyanatovinyl aldehydes with *N*-amino heterocycles leads to formation of α,β -unsaturated hydrazonium salts dependent on the functional surroundings. The latter can undergo further intramolecular cyclocondensation giving rise to *N,N'*-linked isothiazolium salts as the final product. The isolated hydrazonium salts, not undergoing ring formation, have *s-trans* conformation of the azadiene system.

Key words: β -Thiocyanatovinyl Aldehydes, *N*-Amino Heterocycles, Hydrazonium Salts, Isothiazolium Salts