## CONVERSION OF AZIDOTRIAZOLINES TO TETRAZOLES $\underline{\text{VIA}}$ DIAZO TRANSFER REACTION

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Reaction of  $\alpha$ -styrylazide with NH $_4$ N $_3$  or HN $_3$  yields exclusively 5-phenyltetrazole. The HN $_3$  adds to the olefinic double bond of styrylazide to give the 5-azidotriazoline cycloadduct. The latter undergoes transformation to a tetrazole via elimination of CH $_2$ N $_2$  followed by an intramolecular cyclization of the imidoyl azide moiety. The reactions with other organic azides as well as the mechanism of this novel transformation are discussed.

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