Heterocyclic Synthesis Using Nitrilimines: Part 9. Synthesis of New 1,3,4-Thiadiazin-5-one Derivatives

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A series of new 3,5,6-thiadiaza-4-hexenoates (4a–k) were synthesized from the reaction of the corresponding hydrazonoyl halides 1 with ethyl mercaptoacetate (3). These compounds underwent intramolecular cyclization to 1,3,4-thiadiazin-5-one derivatives (5a–k) in the presence of MeONa or LiH. The structures of the synthesized compounds were confirmed by their elemental analyses and spectral data.

\textit{Key words:} Nitrilimines, Intramolecular Cyclization, Ethyl Mercapto-acetate, 1,3,4-Thiadiazin-5-ones