

## Interaction of 3-arylmethyliden-3H-pyrrole(furan)-2-ones with an asymmetric structure of azomethines

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**Keywords:** 3H-pyrrol-2-one, cycloaddition, 1,3-dipol, azomethine, spiropyrrolidine.

### Abstract

Interaction of 3-arylmethyliden-3H-pyrrole(furan)-2-ones with asymmetric structure of azomethines in acetonitrile was conducted at room temperature for 2-3 days using silver acetate in triethylamine as a catalyst. It has been shown that in the chosen conditions there is realized the attack of azomethine on the exocyclic double C=C bond substrates and leads to the formation of spiropyrrolidine structures. Other possible directions of the reaction are not realized. The structure of the end products is proved with the assistance of IR, <sup>1</sup>H NMR spectroscopy.