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البحث الاول:-

A Simple and Convenient Synthesis of 4-Ylidene-5(4*H*)oxazolone Derivatives: Oxazolone Ring Transformation Leading to Other Heterocyclic Structures

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Abstract

Simple, effective, and high yield synthetic procedure for the synthesis of 4-ylidene-5(4*H*)-oxazolones **2a–m** from arylidene-malononitriles under solvent-free conditions is described. The scope of this reaction was investigated, and it was found that the presence of anhydrous sodium acetate gave the corresponding oxazolones in excellent yields. The newly generated oxazolone derivative **2m** underwent ring transformation into pyrroles, imidazoles, pyridazine, and triazines.