

## AN EFFICIENT MICROWAVE-ASSISTED MULTI-COMPONENT SYNTHESIS OF RHODANINE DERIVATIVES

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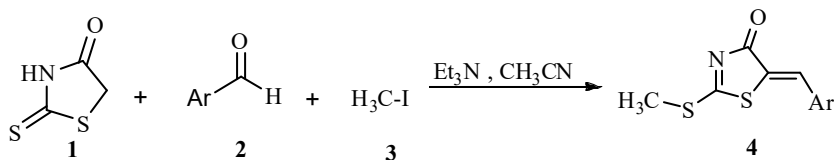
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**ABSTRACT** Acetonitrile and triethyl amine has been identified as green solvent and base catalyst or the multicomponent synthesis of 5-arylidene-2-(methylthio)-thiazolones (**4**) in good to excellent yields (83-97%) starting from rhodanine (**1**), substituted aryl aldehyde (**2**) and iodomethane (**3**) by using microwave irradiation method. Present protocol offers advantages of short reaction time, simple workup, and high yields of products.



**KEYWORDS** rhodanine, aldehyde, methyl iodide, tri-ethyl amine, acetonitrile, microwave-assisted.