

1,3-DIPOLAR CYCLOADDITION REACTIONS OF THIAZOLO[5,4-d]PYRIMIDINE
1-OXIDES AND THIAZOLO[4,5-g]QUINAZOLINE 1-OXIDES WITH
ACETYLENIC ESTERS

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We have recently reported that the 1,3-dipolar cycloaddition reactions of pyrimido[5,4-e]-as-triazine 4-oxides with acetylenic esters causes a facile ring transformation of the as-triazine moiety to give pyrrolo[3,2-d]pyrimidines (9-deazapurines) [J. Org. Chem., 44, 3830 (1979)]. In connection with these findings, we have now investigated the reactions of thiazolo[5,4-d]pyrimidine 1-oxides (I) and thiazolo[4,5-g]quinazoline 1-oxides (II) with acetylenic esters, and have found that the thiazole moiety undergoes a new ring transformation to give the corresponding 1,4-thiazine derivatives as primary products, respectively.

