

THE REACTION OF STABLE SULFUR YLIDES
(DIMETHYLSULFONIUM DIACETYLMETHYLIDE
AND DIMETHYLSULFONIUM ACETYLCARBOMETHOXYMETHYLIDE)
WITH AROMATIC AMINE N-OXIDES

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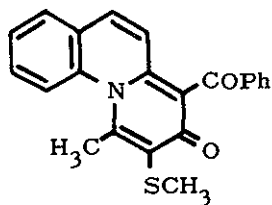
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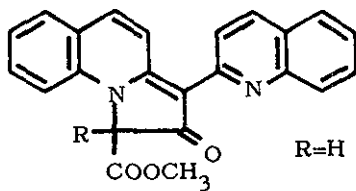
In the previous paper, it was reported that dimethyloxosulfonium benzoyl-2-quinolylmethylide was produced from dimethyloxosulfonium benzoylmethylide with quinoline 1-oxide in the presence of an acylating agent.

In this work, the reactions of aromatic amine N-oxides with dimethylsulfonium diacetylmethylide (I) and dimethylsulfonium acetylcarbomethoxymethylide (II), respectively, were examined under various conditions.

(I) was found to react with quinoline 1-oxide in the presence of benzoyl chloride, producing 1-methyl-2-methylthio-4-benzoyl-3H-benzo(c)quinolizine 3-one (III), indicating that the reaction occurred at the terminal methyl group of stable sulfur ylides. Analogous reaction of II afforded indolizine derivatives (IV).



(III)



(IV)

