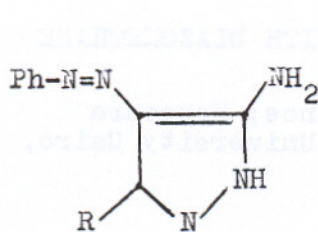


REACTION OF 5-AMINO-4-ARYLAZOPYRAZOLES WITH DIAZOMETHANE

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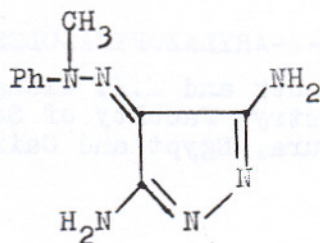
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In connection with an investigations dealing with the problem of azo-hydrazo tautomerism in 5-amino-4-arylazopyrazoles (I), samples of 3,5-diamino-4-methylphenylhydrazonopyrazole (II) and 5-amino-4-methylphenylhydrazono-2-pyrazolin-5-one III were needed as model for the hydrazone form. The reaction of I, $R=Me_2$ or OH with diazomethane seemed to be a logical route for the preparation of the required hydrazones. The reaction of Ia with diazomethane did not afford the expected hydrazone and a novel addition of diazomethane to the hydrazone linkage in a manner similar to that reported for Schiff bases to give IV was observed. Compound Ib reacted with ethereal diazomethane to yield the spiropyrazolyltriazole derivative V. In order to shed further light on the problem, we report some of our attempts to synthesis II & III via other routes.

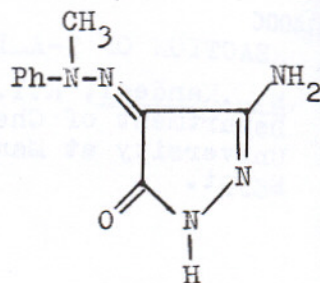


I, a $\text{R}=\text{NH}_2$

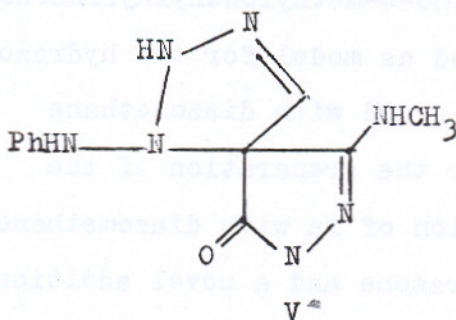
b $\text{R}=\text{OH}$



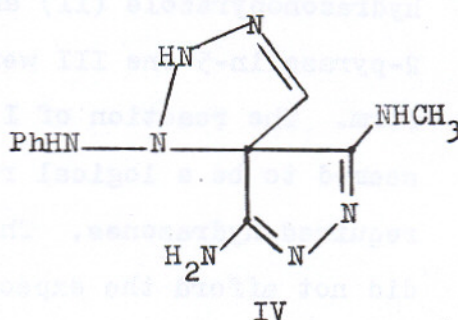
II



III



V



IV