pyrazole derivatives

R 0180 15 - 165 Studies in the Vilsmeier-Haack Reaction. Part 7. Synthesis and Reaction of 3-Methyl-1-phenyl-4-acetyl Hydrazono 2-Pyrazoline-5-one(-5- thione). — All products (24 examples) display growth inhibitory activity against some Gram-positive and Gram-negative strains of bacteria. The most potent compounds are the pyrazoles (IV). — (AWAD, I. M. A.; Monatsh. Chem. 121 (1990) 12, 1023-1030; Chem. Dep., Assiut Univ., Assiut, Egypt; EN)

III
$$\frac{\text{Me}_2\text{N}-\text{CHO (V)}}{\text{POCl}_3}$$
 $\frac{\text{Me}_2\text{N}}{\text{OHC}}$ $\frac{\text{Me}}{\text{NN}}$ $\frac{\text{H}_2\text{N}-\text{NH}-\text{Ph (IIIb)}}{\text{EtOH, reflux}}$ $\frac{\text{Ph}}{\text{NN}}$ $\frac{\text{Me}}{\text{EtOH, reflux}}$ $\frac{\text{NN}}{\text{Ph}}$ $\frac{\text{NN}}{\text{NN}}$ $\frac{\text{NN}}{\text{Ph}}$ $\frac{\text{NN}}{\text{NN}}$ $\frac{\text{NN}}{\text{Ph}}$ $\frac{\text{NN}}{\text{NN}}$ $\frac{\text{NN}}{\text{Ph}}$ $\frac{\text{NN}}{\text{NN}}$ $\frac{\text{NN}}{\text{Ph}}$ $\frac{\text{NN}}{\text{NN}}$ $\frac{\text{NN}}{\text{Ph}}$ $\frac{\text{NN$

a R: -H;Y; -NH-, -O- 58/65% b R: -Ph;Y; -NH-,-O- 64/61%