benzopyran derivatives

R 0350 33 - 150 Synthesis and Reactions of Some New 4H-Pyrano(3,2-c)benzopyran-5-one Derivatives and Their Potential Biological Activities. — The title derivatives such as (IV), (V), and (VII) are synthesized and tested for antibacterial and fungicidal activity. Some preliminary results are presented. — (SHAKER, R. M.; Pharmazie 51 (1996) 3, 148-151; Dep. Chem., Fac. Sci., El-Minia Univ., El-Minia, Egypt; EN)

IVa and Va 
$$\xrightarrow{\text{Pop-CN (VI), Et-ONa}}$$
  $\xrightarrow{\text{Pop}}$   $\xrightarrow{\text{NN}}$   $\xrightarrow{\text{NH}_2}$   $\xrightarrow{\text{NH}_2}$   $\xrightarrow{\text{VII}}$  68%

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