Benzopyran derivatives

R 0350

Dual Fluorescence and Biological Evaluation of Paracetamol Ethers from

4-Bromomethylcoumarins. — The fluorescence behavior and the biological activities of the reaction products of coumarins (I) and (V) with paracetamol and p-aminophenol are studied. (IIIc) shows good antiinflammatory and analgesic properties. — (SHASTRI, L. A.; GHATE, M. D.; KULKARNI*, M. V.; Indian J. Chem., Sect. B: Org. Chem. Incl. Med. Chem. 43 (2004) 11, 2416-2422; Dep. Chem., Karnatak Univ., Dharwad 580 003, India; Eng.) — H. Haber

$$\begin{array}{c} \text{R}^{1} \\ \text{R}^{2} \\ \text{R}^{2} \\ \text{O} \\ \text{O} \\ \text{I} \\ \text{III} \\ \text{a cetone, } 25^{\circ}\text{C} \\ \text{R}^{2} \\ \text{R}^{2} \\ \text{R}^{2} \\ \text{III} \\ \text{a R}^{1} : -\text{Me} \; ; \text{R}^{2} : -\text{H} & 93\% \\ \text{b R}^{1} : -\text{H} \; ; \text{R}^{2} : -\text{H} & 90\% \\ \text{c R}^{1} : -\text{O} -\text{Me} \; ; \text{R}^{2} : -\text{H} & 72\% \\ \text{d R}^{1} : -\text{H} \; ; \text{R}^{2} : -\text{CI} & 70\% \\ \end{array}$$