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Reaction of 3-Iodochromone with Nucleophiles 2. Reaction with Mercaptoazoles

Yoshiaki Sugita (杉田義昭), Shengzhen Yin and Ichiro Yokoe (横江一朗)

Faculty of Pharmaceutical Sciences, Josai University, Saitama 350-0295

3-Iodochromone easily reacted with mercaptoazoles in the presence of potassium carbonate to give 3-azolythiochromones in good yields. In the case of 2-mercaptobenzimidazole as a nucleophile, the benzimidazo [2,1-*b*] thiazole derivatives was obtained as the major product along with 3-(1*H*-benzimidazol-2-ylthio)chromone. The ratio of the two products was found to be affected by the electron density on the nitrogen atom in the benzimidazole ring.

