

FIRST SYNTHESIS OF FLAVONE TYPE COMPOUNDS CONTAINING A THIOPHEN RING

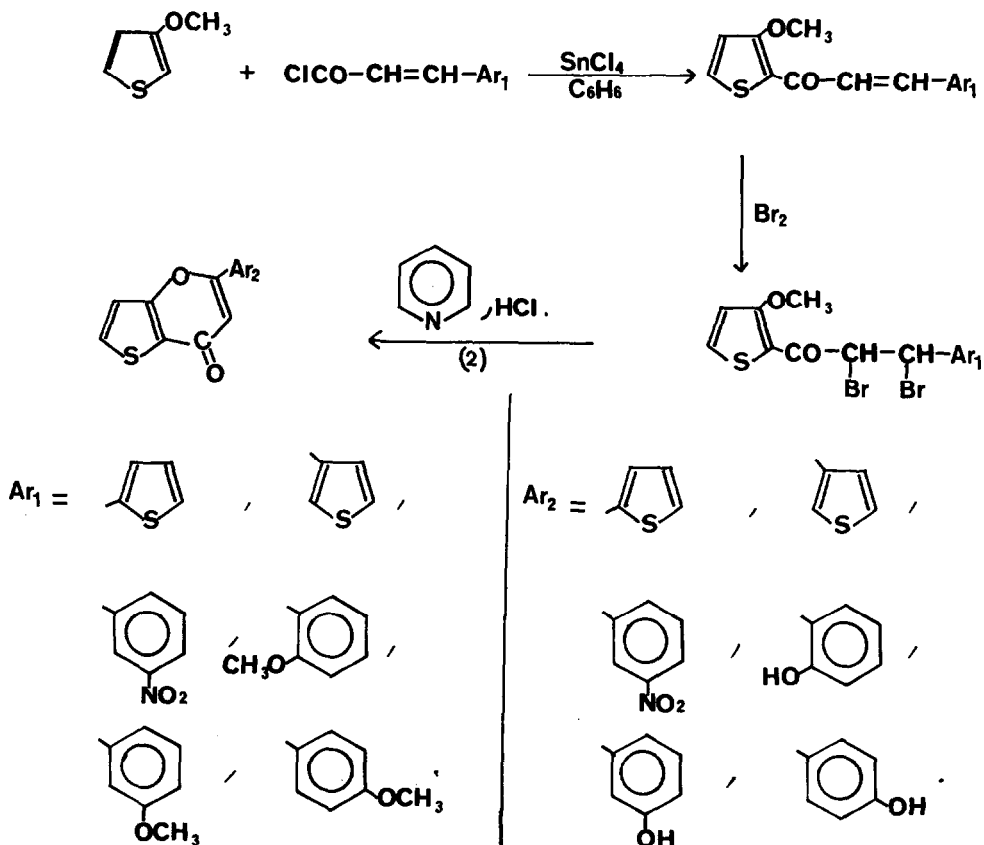
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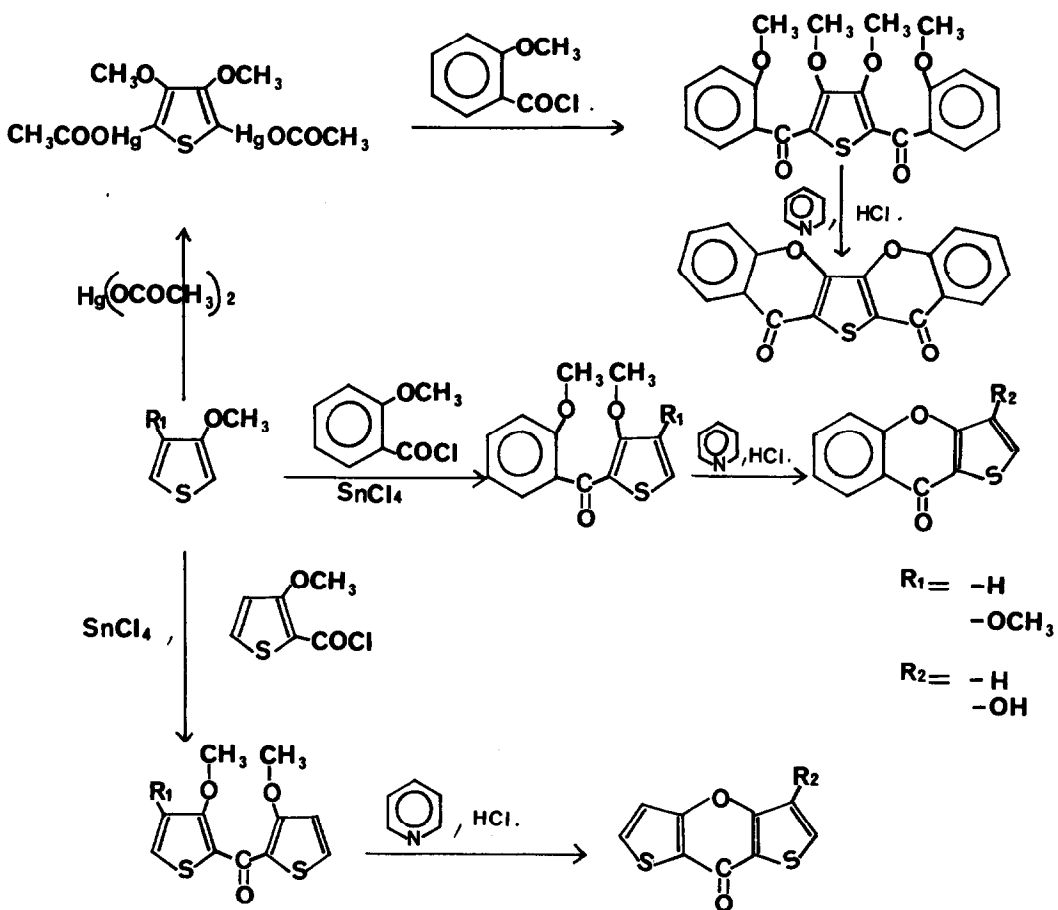
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In the benzene series the synthesis of chromones or the compounds of the xanthone type is easily achieved : o-hydroxy-acetophenone and salicylic aldehyde being very easily obtained. However, the instability of 3-hydroxy thiophene (1) and the delicate preparation of the 3-tert-butoxy thiophene had obliged us in the thiophene series to follow the following reaction :



The yields in each stage are generally nearly 70 %. Diverse extensions of this synthesis have been developed :



We have also extended these reactions to the synthesis of 2-aryl thieno [3,2-b] thia-4-pyrone (Ar = ϕ , m -C₆H₄NO₂, p -C₆H₄OH) produced from 3-methyl thio thiophene.

All of the compounds described have been characterised by elemental analysis, as well as by nuclear magnetic resonance.

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