

Part II deals with the synthesis of cyano chromones and flavones. In section ( i ) of this part the synthesis of cyano chromones by the Rosenmund-von Braun reaction on the iodo derivatives mentioned in part I is described. The hydrolysis of the cyano chromones and flavones with sulphuric acid and sodium hydroxide has also been studied.

In section ( ii ) of this part the synthesis of cyano chromones and flavones by the Kostanecki-Robinson acetylation and benzylation respectively of the cyano derivatives of 2-hydroxy-4-methoxyacetophenone has been described. There has been no previous study of the effect of the cyano group in the Kostanecki-Robinson reaction.

In part III the synthesis of bichromonyls and biflavonyl derivatives from some of the iodo derivatives, described in part I, by the Ullmann reaction is reported. Some biflavonyls have in recent years been isolated from plants and this has added to the interest in this type of compounds. Synthesis of some 8-phenyl chromone and flavone derivatives by the crossed Ullmann reaction between an iodo chromone or flavone and iodobenzene is also described.

Like the iodo derivatives the chloromethyl derivatives are also substances of synthetical value. For example, the chloromethyl derivatives can be reduced to methyl derivatives or converted into cyanomethyl, acetoxymethyl, alkoxymethyl, alkylaminomethyl, formyl and other derivatives.

There are only a couple of references in the literature dealing with the chloromethylation of chromones and flavones.

It was therefore thought of interest to study the chloromethylation of some chromones and flavones. This forms the subject matter of part IV.