

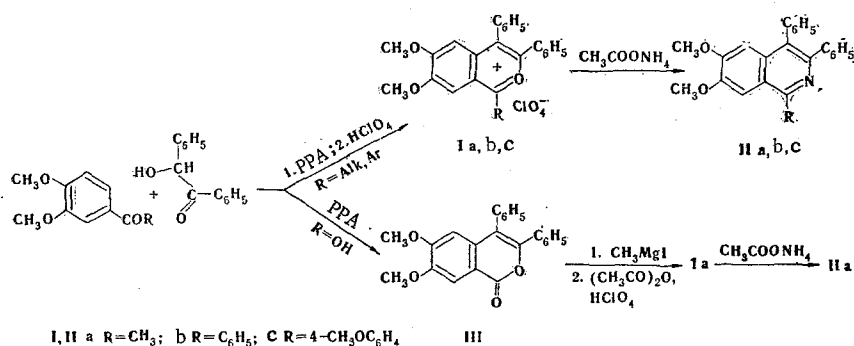
FORMATION OF SOME ISOCHROMENE DERIVATIVES
BY REACTION OF VERATYL KETONES AND VERATRIC
ACID WITH BENZOIN

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UDC 547.814'833

We have found that veratryl ketones react with benzoïn in polyphosphoric acid (PPA) at 120-130°C for 1 h to give 2-benzopyrylium salts in 40-60% yields; the salts were isolated in the form of the perchlorates (I), which were converted to isoquinolines (II) by the action of ammonium acetate.

The physical and spectral characteristics of salts Ia-c and isoquinolines IIa-c were found to be identical to those described in [1].



3,4-Diphenylisocoumarin (III) was similarly obtained in 12% yield as colorless crystals with mp 197° (from alcohol) by reaction of veratric acid with benzoïn. The results of elementary analysis were in agreement with the calculated values. IR spectrum: 1719, 1603, and 1512 cm⁻¹.

Pyrylium salt Ia was obtained by the action of methylmagnesium iodide on isocoumarin III; isoquinoline IIa was obtained from pyrylium salt Ia.

LITERATURE CITED

1. E. V. Kuznetsov and G. N. Dorofeenko, *Zh. Organ. Khim.*, **6**, 578 (1970).

Rostov State University. Scientific-Research Institute of Physical and Organic Chemistry, Rostov-on-Don. Translated from *Khimiya Geterotsiklicheskikh Soedinenii*, No. 11, p. 1575, November, 1974. Original article submitted February 23, 1974.

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