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New Derivatives of Vanillin

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of strontium and about seventy of barium are associated to give single molecules. That of barium is of colloidal magnitude.

STATE UNIVERSITY OF IOWA,
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NEW DERIVATIVES OF VANILLIN

G. CARROLL HILMAN AND O. H. ALDERKS

(ABSTRACT)

Monobromovanillin was prepared by Carles (Bull. Soc. Chim., 17, 12 (1872) and further investigated by Tiemann and Haarman (Ber., 7, 615 (1874)). More recently, Brady and Dunn (J. Chem. Soc., 107, 1859 (1915) studied the corresponding oxime, which was found to exist in but one of the stereoisomeric forms required by the theory. In the present work a dibromo derivative of vanillin, which has not hitherto been reported, has been prepared by a method that gives a high yield. Among its derivatives it has been found that the oxime exists in but one form, and that the nitril obtained from it resists hydrolysis to an extraordinary degree. The determination of the structure of the dibromo compound is in progress.

STATE UNIVERSITY OF IOWA,
IOWA CITY, IOWA.

ACTION OF POTASSIUM CARBONATE ON CERTAIN
PHENYL, ALKYL, ETHERS

L. CHAS. RAIFORD AND D. M. BIROSEL

(ABSTRACT)

When a ligroin solution of phenyl isopropyl, isobutyl or isoamyl ether was shaken with dry potassium carbonate, we obtained crystalline products that were readily soluble in water to give alkaline liquids. When dilute acid was used, the corresponding ether was set free. The analyses of these products indicated that one atomic weight of potassium is combined with two molecular proportions of ether. So far, no such combinations have been obtained with the carbonates of lithium and sodium. Tests will be made with rubidium and caesium carbonates later.

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