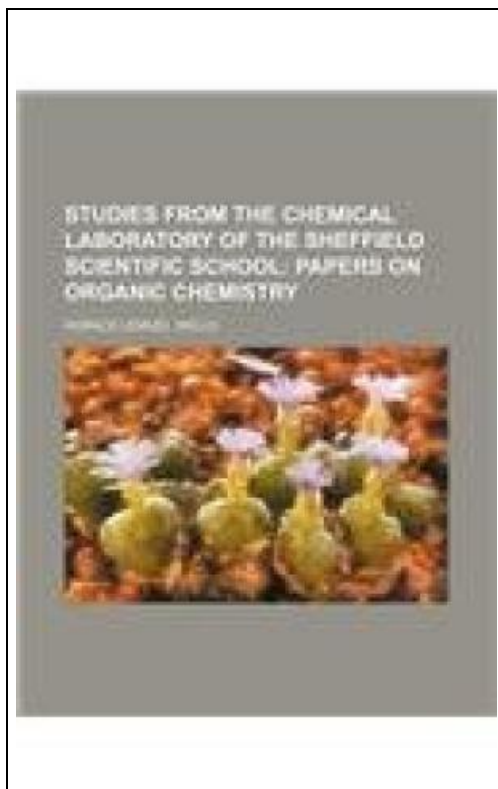


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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1901 Excerpt: .and various acylimido esters, but in each case also without success. In support of Pinner's formula for benzoylbenzamidine, Beckmann and Sandal state that benzaldehyde does not combine with this substance, and that with benzenesulphochloride it gives a compound insoluble in alkali. The acyl amidines, described below, are stable towards cold alkali. Some of them dissolve in acids and may be precipitated unaltered by alkali or ammonia. They combine with one equivalent of hydrogen chloride to form salts which are comparatively unstable. In aqueous solution these salts soon decompose as follows: $\text{NHCOR} \cdot \text{C}_6\text{H}_5\text{CO} \cdot \text{NHCO} \cdot \text{R} \cdot \text{C}_6\text{H}_5 + \text{H}_2\text{O} = \text{HC} \cdot \text{C}_6\text{H}_5 + \text{NH}_4\text{Cl}$ The diacylamide generally separates pure and in the form of a glistening mass of colorless crystals. Ann. Chem. (Liebig), ccxcvi, 279. Experimental Part. Benzoylbemamidine.--This was formed when 10 g. of benzoylbenzimidonormalpropyl ester were warmed in alcoholic solution with the addition of aqueous ammonia in excess. On diluting the alcoholic solution, in which it is readily soluble, this compound separated as an oil which readily solidifies. It was purified by dissolving or crystallizing it from a mixture of ligroin and alcohol. It melted constantly at 100. Pinner gives the melting-point of this compound as 106. Gumpert states that it melts at 105.5, and Beckmann and Sandal give 98 as its melting-point. In addition to the above we have prepared this compound from benzoylbenzimidioethyl ester and ammonia. This product also melted at 100. A nitrogen determination in the sample prepared as first stated gave: N. 12.50...



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