

## ADDITIONS AND CORRECTIONS

VOL. 16, 1951

Lamar Field and Frederick A. Grunwald, "Lithium Aluminum Hydride Reduction of Certain Sulfonic Acid Derivatives." Page 950, line 6, after "burette" insert the phrase ", and".

LAMAR FIELD  
October 28, 1952

### ISOMERS OF $\alpha, \beta$ -DIMORPHOLINYLBENZYLACETOPHENONE

$\alpha, \beta$ -Dimorpholinylbenzylacetophenone-A. Mixture melting points by Dr. Southwick confirm his opinion that the isomer obtained by him both by the reaction of the iodine-morpholine complex with benzalacetophenone (1) and by the room-temperature reaction of benzalacetophenone dibromide with morpholine following Dr. Cromwell's directions (2), is identical with the isomer designated as "B" in our characterization experiments (2). We on the contrary had consistently obtained the stereoisomer "A" by the Cromwell directions (3). In the preparation from the dibromide, isomer "B" is formed predominantly near 0° whereas at 50° "A" is produced in sufficient proportion to make it the first compound to separate on crystallization of the crude product (3). It therefore seems probable that the different results obtained (1, 3) following the Cromwell directions (2), are due to differences in "room temperature" and/or in the rate of dissipation of the heat of reaction. The designations "A" and "B" must rest on the order of isolation in the definitive experiments (3).

*Analysis of "A":* Calc'd for  $C_{23}H_{28}N_2O_3$ : C, 72.62; H, 7.41.

Found: 72.42; H, 7.21.

UNIVERSITY OF VIRGINIA  
Charlottesville, Va.  
October 8, 1952

ROBERT E. LUTZ  
R. H. JORDAN  
D. F. HINKLEY

- (1) SOUTHWICK AND CHRISTMAN (a) private communication; (b) *J. Am. Chem. Soc.*, **74**, 1886 (1952).  
(2) CROMWELL, *J. Am. Chem. Soc.*, **62**, 2897 (1940).  
(3) JORDAN, LUTZ, AND HINKLEY, *J. Org. Chem.*, **16**, 1442 (1951).

### 3,5-DINITROBENZOATES OF ISOMERIC HEPTYL ALCOHOLS

This will correct errors in the reports of the melting points of the 3,5-dinitrobenzoates of 4-methyl-2-hexanol (1, 2) and 4,4-dimethyl-2-pentanol (1, 2).

1,2-Epoxypropane reacted with either *sec*-butylmagnesium bromide or *sec*-butylmagnesium chloride to give 4-methyl-2-hexanol, which gave when heated with 3,5-dinitrobenzoyl chloride, in the presence of pyridine, an ester which melted at 50–51° (3).

Reaction of the epoxide with either *tert*-butylmagnesium bromide or *tert*-