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THE STRENGTHS OF PHENOLIC KETIMINES AND
THEIR METHYL ETHERS AS BASES

J. B. CULBERTSON, PAUL BIEBER AND ADOLPH ZAVODSKY

The ionization constants of the monohydroxy-diphenyl ketimines and their methyl ethers are calculated from measurements of the hydrogen ion concentration of aqueous solutions of their hydrochlorides through the use of the quinhydrone electrode. This data has been collected as a part of the information expected to throw light on the varied stability toward hydrolysis shown by different ketimines.

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THE PREPARATION AND PROPERTIES OF FURYL
PHENYL KETIMINE

J. B. CULBERTSON AND BEN DAVIS

This ketimine has been prepared through the condensation of furonitrile with magnesium phenyl bromide, followed by treatment with ice and ammonium chloride at about -15 degrees C. The hydrochloride, a white solid, is rather quickly hydrolyzed to the corresponding ketone, benzoyl furane. The velocity of this hydrolysis and the basic strength of the free ketimine base are determined.

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