2.6 g. (5.6 mmoles) of bismuth trioxide by the procedure of Blomquist and Buck\textsuperscript{55} as described in reaction VI. The crude cis-diketone \textit{cis}-diketone \textit{75} (2.14 g.) obtained was purified by reaction with Girard's T reagent \textit{(129)} according to the procedure of Girard and Sandulesco.\textsuperscript{67} The crude cis-diketone (2.14 g., 12.0 mmoles) was dissolved in 75 ml. of a solution of exactly 10 per cent by weight of acetic acid in absolute ethanol. Girard's T reagent (4.0 g., 12.0 mmoles) was added, and the mixture was refluxed for 1.5 hours. The reaction mixture was cooled and poured into 450 ml. of ice water containing 4.31 g. of sodium carbonate (final pH 5-6). The aqueous solution was extracted repeatedly with ether to remove unreacted, non-ketonic material, adding enough extra ethanol when necessary to break the emulsions formed. The final aqueous layer was filtered to remove a small amount of suspended material, and the volume of the clear, aqueous solution was measured. Enough concentrated hydrochloric acid was added to give a 0.8 N solution, and the solution was allowed to stand at room temperature to regenerate \textit{75}. After standing for 1.5 hours, the cloudy, aqueous solution was again extracted repeatedly with ether. The combined ethereal extracts of \textit{75} were washed with several portions each of water and dilute sodium bicarbonate solution and dried over anhydrous magnesium sulfate.