mixture melting point with a known sample of tosylhydrazine. Continued elution with a large volume of chloroform and methanol afforded no additional material which could be identified as the desired diazoketone.

Preparation of cis-Bicyclo[6.2.1]undecan-4,5-semidione (123).-Samples containing the semidione 123 were prepared for electron paramagnetic resonance (EPR) examination by the method of Russell and Strom. A 0.1 M solution of potassium t-butoxide in 80 per cent dimethyl sulfoxide (dried over calcium hydride)-20 per cent t-butanol was prepared. A 0.05 M solution of the freshly purified cis-acyloin 73 or cis-diketone 75 in the same solvent was mixed with an equal volume of the basic solution immediately before measurement of the EPR spectrum. No special care was taken to exclude oxygen during the preparation of the samples.