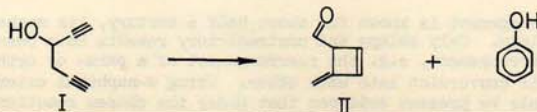


50. THERMAL REARRANGEMENTS OF 1,5-HEXADIYNES: INFLUENCES OF HYDROXY SUBSTITUTION.
Alfred Viola and John H. MacMillan, Department of Chemistry, Northeastern University
Boston, Massachusetts 02115

Several examples of thermal rearrangements of 1,5-hexadiynes have appeared in the recent literature and the products reported include bisallenes, dimethylenecyclobutenes, benzenes and fulvene. A number of intermediates have been proposed to account for the particular products observed. This study concerns the vapor phase thermolysis of 1,5-hexadiyn-3-ol (I) at 350° which affords II, presumably from its enolic dimethylenecyclobutene progenitor, and phenol. The presence of the hydroxyl group facilitates the reaction pathway leading to aromatization.



ABSTRACTS OF PAPERS



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