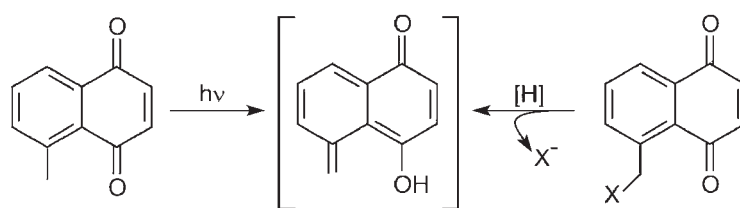


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The Role of a Quinone Methide in the Sequence-Specific Alkylation of DNA, *Journal of the American Chemical Society*, **116**, 1690 (1994).

Professor Rokita examined the structures and activities of biological macromolecules via studies of chemical reactivity. Secondary and tertiary structures of nucleic acids were identified by means of conformation-selective oxidation reactions. Highly electrophilic quinone methide intermediates were used to characterize enzyme mechanisms and alkylate nucleic acids.