

Natural quinones as quinonemethide precursors - ideas in rational drug design.

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Abstract

A review with 138 refs. The concept of the mode of biol. action of quinones as bioreductive alkylation agents is presented. The focus of this discussion is primarily upon the structural features which would facilitate quinonemethide formation (alkylating agent) from the reduced quinone (hydroquinone). A survey of the naturally occurring quinone field was carried out and those members which can be cataloged as potential bioreductive alkylating agents are listed.