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# Review of Advances in Uroprotective Agents for Cyclophosphamide and Ifosfamide-Induced Hemorrhagic Cystitis

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Abstract:

Cyclophosphamide and ifosfamide are widely used drugs for malignancies and rheumatologic conditions. One of the most significant adverse reactions to these drugs is hemorrhagic cystitis (HC). Mesna is the most widely used uroprotective agent that acts to neutralize the caustic metabolite, acrolein, responsible for induction of HC. However, mesna is not a perfect alternative and studies since its discovery have investigated the use of alternative drugs and adjuncts to increase mesna's efficacy. This review details some of the recent work into novel uroprotective agents for drug-induced hemorrhagic cystitis.

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