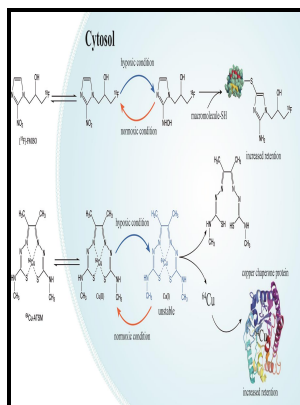


# One-electron versus two-electron bioreductive cytotoxic mechanisms for hypoxic selective anticancer drugs

## - - Bioreductive therapies: an overview of drugs and their mechanisms of action



Description: -

-One-electron versus two-electron bioreductive cytotoxic mechanisms for hypoxic selective anticancer drugs

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Notes: Advisor: OBrien, P.J.

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Tags: #[Full #text] #Hypoxia

## Biological approach of anticancer activity of new benzimidazole derivatives

Bioreductive drugs in cancer therapy.

## Investigational Hypoxia

. These cells are continually replaced by cells that are displaced from their position nearest to the blood vessel, and, in a variety of human and mouse tumours, have been found to lie in a layer situated at a distance of between 50 and 250µm. Hypoxic tumours and their effect on immune cells and cancer therapy.

## Bioreductive Prodrugs for Cancer Therapy

Overcoming cisplatin resistance with the bioreductive drug tirapazamine. Hybrids of these molecules with PEG-PLA micelles have demonstrated good performance in tumor diagnosis and chemotherapy.

## The effect of one

Selenium nanocarriers Mesoporous selenium NPs have been synthesized to load DOX and to enhance their targeting effects by introducing redox-responsive properties for GSH-activated drug release. This article also describes novel approaches where HAP-based approaches are being used to improve the selectivity of targeted therapeutics.

## Radical properties governing the hypoxia

Mitomycins and porfirimycins: chemical mechanism of activation and cross-linking of DNA.

## **Bioreductive Drugs: from Concept to Clinic**

Ebert BL, Gleadle JM, O'Rourke JF, Bartlett SM, Poulton J, Ratcliffe PJ. J Pediatr 1990;117 Suppl :S68-74.

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