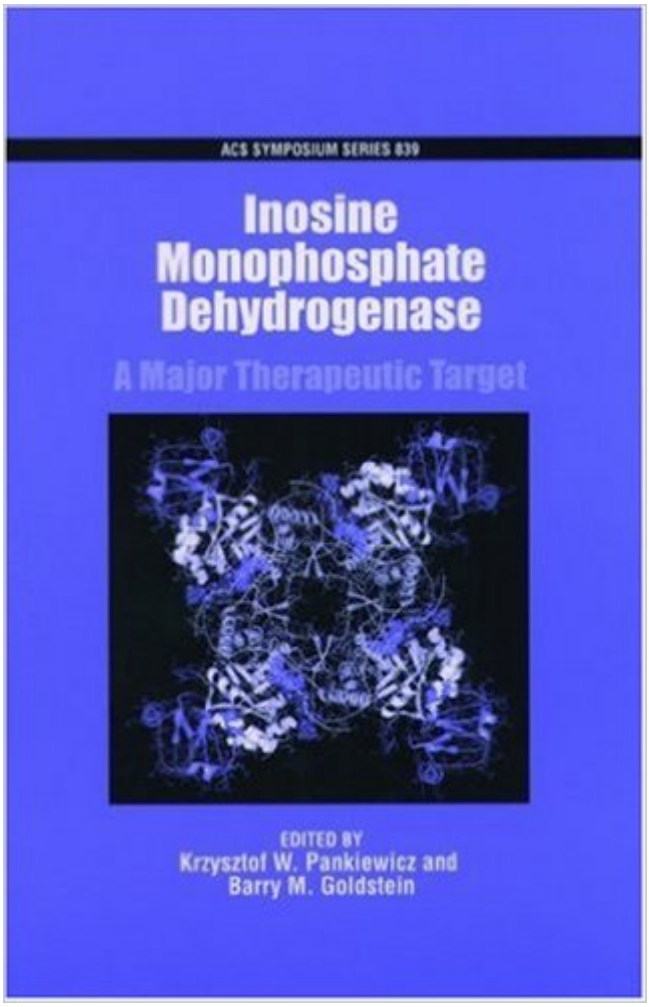
Inosine Monophosphate Dehydrogenases: A Major Therapeutic Target (ACS Symposium Series)



Synopsis

Inosine Monophosphate Dehydrogenase: A Major Therpeutic Target provides a comphrensive look at the chemotherapeutic inosine monophosphate deydrogenase. In addition to an overview of the field, this volume examines the molecular biology and gentics, the structure and mechanisms of IMPDH, inhibitor design, clinical applications, and new trends for the future. Human IMPDH exists as two isoforms, type I and type II. Type I is expresses constitutively in normal cells, while type II is expressed predominantly in cancer cells and activated lymphocytes. Thus, the type II is a major target for the development of anticancer and immunosuppressive drugs. Inosine Monophosphate Dehydrogenase: A Major Therapeutic Target provides a comprehensive look at the chemotherapeutic target inosine monophosphate dehydrogenase. This volume includes sections on molecular biology and genetics, structure and mechanism, and inhibitor design and clinical applications.

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