



Biological Role of Inorganic Pyrophosphate (Hardback)

By Jukka K. Heinonen

Springer, Netherlands, 2001. Hardback. Condition: New. 2001 ed.. Language: English . This book usually ship within 10-15 business days and we will endeavor to dispatch orders quicker than this where possible. Brand New Book. Dr. Heinonen reviews and critically evaluates the scientific literature on the biological role of inorganic pyrophosphate (PPi) published from 1940 to the end of 1999. He describes and classifies all known biochemical reactions that produce Ppi; describes and evaluates all published methods used in biological Ppi; and compiles and critically evaluates information on the concentration of PPI (with the conclusion that, contrary to common belief, PPI exists throughout the living world in rather high concentrations). Many reactions in which PPI is used as a biochemical energy source instead of ATP have been described in recent decades, especially in bacteria, protists, and plants. These reactions are evaluated from the bioenergetic and regulatory points of view. Also considered is the possible role of PPI as a source of biochemical energy in the primitive phases of life, before ATP. Data is presented on the regulatory role of PPI in living systems, such as activities of enzymes, fidelity of syntheses of macromolecules, and proliferation of cells. PPI may also...



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Reviews

This book is definitely not straightforward to get started on studying but extremely exciting to read. It is really simplistic but shocks in the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Ally Reichel**

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

-- **Prof. Kirk Cruickshank DDS**