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| Autore | Lawrence, George H. M. |
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Nota di contenuto

ADVANCES IN ENZYMOLOGY; CONTENTS; Functioning of the Cytoplasm; I. Introduction; II. Substrata of the Basic Life Phenomena; III. Structure of Cytoplasm; A.Chromidia and Cytoplasmic Fibrils; B. Comparison of Various Living Fibrils; C. Cortex and Plasma Membrane; D. Mitochondria, Golgi Bodies, and Chloroplasts; E. Organization of the Cell; IV. Functioning of Cytoplasm; A. Dynamic State of the Structure of Protoplasm; B. Catabolic Activity; C. Contractility and Motility; D. Irritability and Conductivity; E. Permeability; F. Defense Mechanisms; G. Anabolic Activity; References
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V. Titration of the Components of ComplementVI. Relation of Complement to Bactericidal and Opsonic Effects of Fresh Sera; VII. Conclusion; References; Dehydropeptidases; I. Introduction; II. Preparation and Properties of Dehydropeptides and Related Compounds; A. Syntheses Involving Azlactone Formation; B. Syntheses Involving Condensation of Amides and a-Keto acids; C. Syntheses Involving Condensation of Nitriles and a-Keto acids; D. Pyruvoylpeptides; E. Ultraviolet Absorption Spectra of the Dehydropeptides; F. Chemical Reactivity of Dehydropeptides
III. Enzymic Hydrolysis of Dehydropeptides and Related CompoundsA. Discovery and Specificity of Dehydropeptidase Activity; B. Distribution and Activity of Dehydropeptidases; C. Purified Preparations of Dehydropeptidases; IV. Enzymic Degradation of Possible Precursors of Dehydropeptides; A. Peptides of Cystine; B. Isomeric Peptides of Saturated Amino Acids; C. Diacylaminopropionic Acids; D. Effect of a-Keto Acids on Deamidation of Glutamine and Asparagine; V. Dehydropeptidase I Activity in Tumors and in Pathological Sera; VI. General Aspects; References
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A. Lipide Changes in the Dog Subjected to Ligation of Pancreatic Ducts

Sommario/riassunto

Advances in Enzymology and Related Areas of Molecular Biology is one of the seminal series in the area of biochemistry. Giving the practising scientist access to regular and authoritative review of the latest advances in the rapidly moving area of enzymology and its role in molecular biology, the series is an essential information source for both students and researchers alike. Founded by Professor FF Nord as the successor series to Ergebnisse der Enzymforschung , the historic volumes date back to 1941 providing unrivalled access to the history of the development of one of the major areas of b