

## SUBJECT INDEX

- N-Acetylneuraminatase lyase  
Purification and properties of — from beef kidney cortex (Sirbasku, Binkley), 206 (1970) 479
- Acid phosphatase  
Further studies on the mechanism of action of an — from baker's yeast (*Saccharomyces cerevisiae*). Information from experiments on transphosphorylation (Boer, Steyn-Parvé) 206 (1970) 281
- Adenine nucleotide metabolism  
— of blood platelets. VII. ATPases: Subcellular localization and behaviour during the thrombin-platelet interaction (French et al.), 206 (1970) 438
- Adenosine deaminase  
Alkylation of — by benzylbromoacetate and 9-(p-bromoacetamidobenzyl)adenine, (Ronca et al.) 206 (1970) 414
- Alcohol dehydrogenase  
Ternary complexes of fatty acid amides with horse liver — and NAD<sup>+</sup> (Sigman, Winer), 206 (1970) 183
- D-Amino-acid oxidase  
Nuclear magnetic resonance study on — reaction (Yagi et al.), 206 (1970) 181
- Amino-acid transaminase  
Purification and partial characterization of the branched chain — of *Pseudomonas aeruginosa* (Norton, Sokatch), 206 (1970) 261
- Angiotensin  
Studies on the — converting enzyme with different substrates (Piquilloud et al.), 206 (1970) 136
- Anthrilate synthetase  
Mechanism of the — reaction: Evidence against an intramolecular hydrogen transfer (Flöss et al.), 206 (1970) 449
- L-Asparaginase  
Multiple forms of — (Ho, Milikin), 206 (1970) 196
- Aspartate kinase  
— of *Pseudomonas putida*. Regulation of synthesis and activity (Robert-Gero et al.), 206 (1970) 17
- ATPases  
Adenine nucleotide metabolism of blood platelets. VII. —: Subcellular localization and behaviour during the thrombin-platelet interaction (French et al.), 206 (1970) 438
- ATPase  
Studies on an — of thermophilic bacteria. I. Purification and properties (Hachimori et al.), 206 (1970) 426
- ATP:guanidinophosphotransferases  
Spectrophotometric investigations of the interaction of native and chemically modified — with their substrates (Roustan et al.), 206 (1970) 369
- Benzylbromoacetate  
Alkylation of adenosine deaminase by — and 9-(p-bromoacetamidobenzyl)adenine (Ronca et al.), 206 (1970) 414
- Branched chain amino acid transaminase  
Purification and partial characterization of the — of *Pseudomonas aeruginosa* (Norton, Sokatch), 206 (1970) 261
- 9-(p-Bromoacetamidobenzyl)adenine  
Alkylation of adenosine deaminase by benzylbromoacetate and — (Ronca et al.), 206 (1970) 414
- Carbonic anhydrases  
— of some guinea-pig tissues (Carter, Parsons), 206 (1970) 190
- $\alpha$ -Chloroketones  
Structural and steric specificity of — as inhibitors of  $\alpha$ -chymotrypsin (Kumar, Hein), 206 (1970) 404
- Choline acetyltransferase  
Enzyme mechanism and mode of inhibition by a styrylpyridine analogue (White, Cavallito), 206 (1970) 343
- Choline acetyltransferase  
Photoisomerization of styrylpyridine analogues in relation to — and cholinesterase inhibition (White, Cavallito), 206 (1970) 242
- $\alpha$ -Chymotrypsin  
Structural and steric specificity of  $\alpha$ -chloroketones as inhibitors of — (Kumar, Hein), 206 (1970) 404
- Collagenase  
Immunologic relationship of a purified human skin — to other human and animal collagenases (Bauer et al.), 206 (1970) 152
- 3,4-Dihydro-3-amino-7-hydroxycoumarin  
Synthesis of — from S-methyl-L-cysteine and resorcinol by crystalline  $\beta$ -tyrosinase (Ueno et al.), 206 (1970) 476
- Dodecyltrimethyl(2-phenoxyethyl)ammonium bromide  
Selective effect of domiphen bromide (—) on some hydrolytic enzymes (Mäkinen, Mäkinen), 206 (1970) 143
- Domiphen bromide  
Selective effect of — (dodecyltrimethyl(2-phenoxyethyl)-ammonium bromide) on some hydrolytic enzymes (Mäkinen, Mäkinen), 206 (1970) 143
- Enzyme purification  
Ligand-induced association-dissociation as a means for — (Levitzi, Koshland, Jr.), 206 (1970) 473
- Fructose diphosphate

- Mechanism of — activation of a mutant pyruvate kinase from human red cells (Munro, Miller), 206 (1970) 87
- Fructose diphosphate aldolase  
Heat labile — from cold-adapted antarctic fishes (Komatsu, Feeney), 206 (1970) 305
- Fructose-1,6-diphosphate aldolase  
Studies on isozymes of — during amphibian development. II. Characterization of isozymes in the egg of *Rana pipiens* (Chen et al.), 206 (1970) 161
- $\alpha$ -Galactosidase  
Purification and separation of — and  $\beta$ -galactosidase from spinach leaves (Gatt, Baker), 206 (1970) 125
- $\beta$ -Galactosidase  
Purification and separation of  $\alpha$ -galactosidase and — from spinach leaves (Gatt, Baker), 206 (1970) 125
- Ganglioside  
Enzymic synthesis of —. II. UDP-galactose:N-acetylgalactosaminyl-(N-acetylneuraminy)galactosyl-glycosyl-ceramide galactosyltransferase in rat brain (Yip, Dain), 206 (1970) 252
- Glucokinases  
Rat liver —. Purification and properties of the microsome-bound forms (Berthillier et al.), 206 (1970) 1
- Glucose oxidase  
Preparation and characterization of — covalently linked to nickel oxide (Weetall, Hersh), 206 (1970) 54
- Glutamate decarboxylase  
Comparison of some physicochemical and catalytic properties of — from various *Escherichia coli* K-12 sources (Lupo, Halpern), 206 (1970) 295
- Glycogen-storage disease  
— Type VIa: Low phosphorylase kinase activity caused by a low enzyme-substrate affinity (Huijing), 206 (1970) 199
- Glycogen synthetase  
Purification and properties of hepatic — of *Rana catesbeiana* (J. S. Sevall, Kim), 206 (1970) 359
- L-Histidine ammonia-lyase  
The purification and properties of oxidized derivatives of — (Frankfater, Fridovich), 206 (1970) 457
- Homoserine dehydrogenase  
— of *Pseudomonas putida*. Properties and regulation (Robert-Gero et al.), 206 (1970) 31
- Hydrolytic enzymes  
Selective effect of domiphen bromide (dodecyldimethyl(2-phenoxyethyl)ammonium bromide) on some — (Mäkinen, Mäkinen), 206 (1970) 143
- Inosine-5'-phosphate dehydrogenase  
— of *Aerobacter aerogenes*. Studies of tertiary structure (Brox, Hampton), 206 (1970) 215
- Isocitrate lyase  
Effect of pH and buffer upon  $K_m$  and inhibition by phosphoenolpyruvate of — from *Pseudomonas indigofera* (Roche et al.), 206 (1970) 193
- Lactate dehydrogenase isoenzymes  
Effect of the urea-urease system and the carbonate ion on the activities of — (Fujimoto, Wilkinson), 206 (1970) 38
- Lipase  
Characterization and partial purification of a — from *Pseudomonas aeruginosa* (Finkelstein et al.), 206 (1970) 380
- Lipase  
Human lipoprotein —. I. Purification and substrate specificity (Fielding), 206 (1970) 109
- Lipase  
Human lipoprotein —. II. Inhibition of enzyme activity by plasma low density lipoproteins (Fielding), 206 (1970) 118
- Lipoamide dehydrogenase  
Relation between conformations and activities of —. IV. Apoenzyme structure and flavin binding aspects (Visser, Veeger), 206 (1970) 224
- Lipoprotein lipase  
Human —. II. Inhibition of enzyme activity by plasma low density lipoproteins (Fielding), 206 (1970) 118
- Lipoprotein lipase  
Human —. I. Purification and substrate specificity (Fielding), 206 (1970) 109
- Lysozyme  
Chromatographic approach to the study of the binding of — to substrate (Cherkasov, Kravchenko), 206 (1970) 289
- S-Methyl-L-cysteine  
Synthesis of 3,4-dihydro-3-amino-7-hydroxycoumarin from — and resorcinol by crystalline  $\beta$ -tyrosinase (Ueno et al.), 206 (1970) 476
- Monamine oxidase  
Preparation and properties of an electrophoretically homogeneous — from monkey intestine (Murali, Radhakrishnan), 206 (1970) 61
- Myeloperoxidase  
— of the leukocyte of normal blood. I. Reaction of myeloperoxidase with hydrogen peroxide (Odajima, Yamazaki), 206 (1970) 71
- Nitrogenase  
Purification of the cold-labile component of the *Azotobacter* — (Moustafa), 206 (1970) 178
- Octopine dehydrogenase  
Spectrophotometric studies of binary and ternary complexes of — (Pho et al.), 206 (1970) 46
- Palmitoyl-CoA synthetase  
Intracellular distribution of — in rat liver (Lippel et al.), 206 (1970) 173
- Phosphatase  
Further studies on the mechanism of action of an acid — from baker's yeast (*Saccharomyces cerevisiae*). Information from ex-

- periments on transphosphorylation (Boer, Steyn-Parvé), 206 (1970) 281
- Phosphodiesterase  
Purification and properties of a — from Avena leaf tissues (Udvardy et al.), 206 (1970) 392
- Phosphofructokinase  
Properties of — (Ramaiah), 206 (1970) 270
- Phosphoglycerate kinase  
Purification of — from sheep brain (Lelièvre), 206 (1970) 187
- Phospholipase A  
Isolation of a — from *Agkistrodon piscivorus* venom (Augustyn, Elliott), 206 (1970) 98
- Phosphopyruvate carboxylase  
Distribution of — in pig liver (Swiatek et al.), 206 (1970) 316
- Phosphorylase kinase  
Glycogen-storage disease Type VIa: Low — activity caused by a low enzyme-substrate affinity (Huijing), 206 (1970) 199
- Platelets  
Adenine nucleotide metabolism of blood —. VII. ATPases: Subcellular localization and behaviour during the thrombin-platelet interaction (French et al.), 206 (1970) 438
- Pyruvate kinase  
Mechanism of fructose diphosphate activation of a mutant — from human red cells (Munro, Miller), 206 (1970) 87
- Resorcinol  
Synthesis of 3,4-dihydro-3-amino-7-hydroxycoumarin from S-methyl-L-cysteine and — by crystalline  $\beta$ -tyrosinase (Ueno et al.), 206 (1970) 479
- Saccharopine cleavage  
— by a dehydrogenase of human liver (Hutzler, Dancis), 206 (1970) 205
- Sorbitol-6-phosphate dehydrogenase  
The isolation and characterization of — from *Clostridium pasteurianum* (Du Toit, Kotzé), 206 (1970) 333
- Thermophilic bacteria  
Studies on an ATPase of —. I. Purification and properties (Hachimori et al.), 206 (1970) 426
- Thrombin-platelet interaction  
Adenine nucleotide metabolism of blood platelets. VII. ATPases: Subcellular localization and behaviour during the — (French et al.), 206 (1970) 438
- $\beta$ -Tyrosinase  
Synthesis of 3,4-dihydro-3-amino-7-hydroxycoumarin from S-methyl-L-cysteine and resorcinol by crystalline — (Ueno et al.), 206 (1970) 476
- Tyrosine transaminase  
—: Inactivation by tyrosine metabolic end products (Civen et al.), 206 (1970) 78
- UDP-galactose:N-acetylgalactosaminyl-(N-acetylneuraminyl)-galactosyl-glycosyl-ceramide galactosyltransferase. Enzymic synthesis of ganglioside. II. — in rat brain (Yip, Dain), 206 (1970) 252
- Urea-urease system  
Effect of the — and the carbonate ion on the activities of lactate dehydrogenase isoenzymes (Fujimoto, Wilkinson), 206 (1970) 38
- Uridine-diphosphate-glucose 4-epimerase  
Time-dependent increase in rat mammary — activity in vitro (Fitzgerald et al.), 206 (1970) 322