

AUTHOR INDEX

- Adams, J.B. and McDonald, D.
Enzymic synthesis of steroid sulphates.
XIII. Isolation and properties of dehydro-
epiandrosterone sulphotransferase from
human foetal adrenals (615) 275
- Ademola, J.I. and Hutchinson, D.W.
The rapid purification of a phosphotrans-
ferase from wheat shoots (615) 283
- Alam, A., see Packter, N.M. (615) 497
- Avron, M., see Lerner, H. (615) 1
- Baden, H.P., see Kubilus, J. (615) 246
- Bánfalvi, G., Csuzi, S. and Ohlbaum, A.
DNA-dependent ATPase II from *Bacillus*
cereus (615) 262
- Barrett, A.J., see Saklatvala, J. (615) 167
- Beckman, K., see Poulos, A. (615) 370
- Beebe, S.J., see Schlender, K.K. (615) 324
- Benajiba, A., see Gorvel, J.P. (615) 271
- Berezin, I.V., see Martinek, K. (615) 426
- Bieñkowska-Szewczyk, K. and Taylor, A.
Murein transglucosylase from phage λ
lysate. Purification and properties (615)
489
- Bikle, D.D.
Studies of the chick renal mitochondrial
25-hydroxyvitamin D-3 24-hydroxylase
(615) 208
- Bolkenius, F.N., see Seiler, N. (615) 480
- Brooks, A.S., Tiller, G.E. and Struve, W.G.
9-(5-carboxypentylamino)-acridine. An
affinity adsorbent ligand for Electro-
phorus acetylcholinesterase (615) 354
- Catanese, J., see Kress, L.F. (615) 178
- Clark, A.G. and Jowett, D.A.
Rate measurements in cases of substrate
inhibition (615) 143
- Collen, D., Lijnen, H.R., De Cock, F.,
Durieux, J.P. and Loffet, A.
Kinetic properties of tripeptide lysyl
chloromethyl ketone and lysyl p-nitro-
anilide derivatives towards trypsin-like
serine proteinases (615) 158
- Colen, A.H., see Fisher, H.F. (615) 27
- Cotter, T.G. and Robinson, G.B.
Purification and characterization of an
'elastase-like' enzyme from rabbit poly-
morphonuclear leucocytes (615) 414
- Cousineau, J. and Green, J.R.
Isolation and characterization of the
proximal and distal forms of lactase-
phlorizin hydrolase from the small
intestine of the suckling rat (615) 147
- Csuzi, S., see Bánfalvi, G. (615) 262
- Dachà, M., see Magnani, M. (615) 113
- Dalaly, B.K., Eitenmiller, R.R., Friend, B.A.
and Shahani, K.M.
Human milk ribonuclease (615) 381
- De Cock, F., see Collen, D. (615) 158
- Doelle, H.W., see Ewings, K.N. (615) 103
- Dorovska-Taran, V. and Raykova, D.
Determination of the individual rate and
association constants of the hydrolysis
catalysed by serine proteinases by means
of added nucleophiles in Eisenthal and
Cornish-Bowden coordinates (615) 509
- Durieux, J.P., see Collen, D. (615) 158
- Eitenmiller, R.R., see Dalaly, B.K. (615) 381
- Elödi, P., see Marossy, K. (615) 237
- Ewings, K.N. and Doelle, H.W.
Further kinetic characterization of the
non-allosteric phosphofructokinase from
Escherichia coli K-12 (615) 103
- Faye, L. and Lambert, C.
The effect of protein concentration on
the activity, of β -fructosidase from radish
seedlings (615) 392
- Feldman, I. and Norton, G.E.
Effects of glucose and magnesium ion on
the quenching of yeast hexokinase fluo-
rescence by acrylamide (615) 132
- Fischer, E.P. and Holzer, H.
Interaction of proteinases and their inhib-
itors from yeast. Activation of carboxy-
peptidase Y (615) 187
- Fisher, H.F., Stickel, D.C. and Colen, A.H.
pH-dependent thermodynamic param-
eters of the glutamate dehydrogenase-
 α -ketoglutarate-NADPH complex (615)
27
- Fornaini, G., see Magnani, M. (615) 113
- Friend, B.A., see Dalaly, B.K. (615) 381
- Fukui, H., see Yamada, M. (615) 458

- Ganther, H.E., see Kraus, R.J. (615) 19
- Gennis, R.B., see Schrock, H.L. (615) 10
- Goldsmith, L.A., see Takamori, K. (615) 309
- Gorvel, J.P., Benajiba, A. and Maroux, S.
Purification and characterization of the rabbit intestinal brush-border aminopeptidase A (615) 271
- Green, J.R., see Cousineau, J. (615) 147
- Gueguen, P., Padron, M., Perbal, B. and Hervé, G.
Incorporation of amino acid analogs during the biosynthesis of *Escherichia coli* aspartate transcarbamylase (615) 59
- Harino, S., see Yamada, M. (615) 458
- Hauck, M., see Marossy, K. (615) 237
- Hayashida, S., see Inoue, M. (615) 70
- Herry, P., see Trocheris, I. (615) 436
- Hervé, G., see Gueguen, P. (615) 59
- Holzer, H., see Fischer, E.P. (615) 187
- Horiuchi, S., see Inoue, M. (615) 70
- Hosomi, F., see Inoue, M. (615) 70
- Hutchinson, D.W., see Ademola, J.I. (615) 283
- Inoue, M., Hayashida, S., Hosomi, F., Horiuchi, S. and Morino, Y.
The molecular forms of γ -glutamyl transferase in bile and serum of icteric rats (615) 70
- Izumi, T. and Suzuki, K.
Neutral hydrolases of rat brain. Preliminary characterization and developmental changes of neutral β -N-acetylhexosaminidases (615) 402
- Jowett, D.A., see Clark, A.G. (615) 143
- Karanth, N.G. and Srivastava, A.K.
Use of modified double-reciprocal plot for enzyme kinetic parameters. A pitfall (615) 279
- Keil, B., see Trocheris, I. (615) 436
- Keil-Dlouha, V., see Trocheris, I. (615) 436
- Kilár, F., see Váli, Z. (615) 34
- Kohnno, H., see Tachiki, T. (615) 79
- Knödgen, B., see Seiler, N. (615) 480
- Kraus, R.J., Prohaska, J.R. and Ganther, H.E.
Oxidized forms of ovine erythrocyte glutathione peroxidase. Cyanide inhibition of a 4-glutathione: 4-selenoenzyme (615) 19
- Kress, L.F. and Catanese, J.
Enzymatic inactivation of human anti-thrombin III. Limited proteolysis of the inhibitor by snake venom proteinases in the presence of heparin (615) 178
- Kubicek, C.P. and Röhr, M.
Regulation of citrate synthase from the citric acid-accumulating fungus, *Aspergillus niger* (615) 449
- Kubilus, J., Waitkus, R.F. and Baden, H.P.
Partial purification and specificity of an arginine-converting enzyme from bovine epidermis (615) 246
- Lakatos, S., see Váli, Z. (615) 34
- Lambert, C., see Faye, L. (615) 392
- Lerner, H., Sussman, I. and Avron, M.
Characterization and partial purification of dihydroxyacetone kinase in *Dunaliella salina* (615) 1
- Lewis, R.M. and Nelson, D.L.
Biochemical studies of the excitable membrane of *Paramecium*. IV. Protein kinase activities of cilia and ciliary membrane (615) 341
- Lijnen, H.R., see Collen, D. (615) 158
- Loffet, A., see Collen, D. (615) 158
- Lutz, S.A., see Schlender, K.K. (615) 324
- MacDonald, M.J.
Rapid inactivation of rat liver phosphoenolpyruvate carboxykinase by microsomes and reversal by reductants (615) 223
- Magnani, M., Stocchi, V., Ninfali, P., Dachà, M. and Fornaini, G.
Action of oxidized and reduced glutathione on rabbit red blood cell hexokinase (615) 113
- Mamont, P., see Seiler, N. (615) 480
- Marossy, K., Hauck, M. and Elödi, P.
Purification and characterization of the elastase-like enzyme of the bovine granulocyte (615) 237
- Maroux, S., see Gorvel, J.P. (615) 271
- Martinek, K., Mozhaev, V.V. and Berezin, I.V.
Reactivation of enzymes irreversibly denatured at elevated temperature: Trypsin and α -chymotrypsin covalently immobilized on Sepharose 4B and in polyacrylamide gel (615) 426
- Matsubara, T., see Tachiki, T. (615) 79
- McDonald, D., see Adams, J.B. (615) 275
- Meedel, T.H.
Purification and characterization of an ascidian larval acetylcholinesterase (615) 360
- Morino, Y., see Inoue, M. (615) 70
- Mozhaev, V.V., see Martinek, K. (615) 426

- Nadkarni, G.B., see Pradhan, P.G. (615) 465
- Nadkarni, G.B., see Pradhan, P.G. (615) 474
- Nagayama, F., Ohshima, H., Suzuki, H. and Ohshima, T.
A hexokinase from fish liver with wide specificity for nucleotides as phosphoryl donor (615) 85
- Narise, S.
Purification and biochemical properties of allelic forms of cytoplasmic glycerol-3-phosphate dehydrogenase from *Drosophila virilis* (615) 289
- Nelson, D.L., see Lewis, R.M. (615) 341
- Ninfali, P., see Magnani, M. (615) 113
- Norton, G.E., see Feldman, I. (615) 132
- Ohlbaum, A., see Bánfalvi, G. (615) 262
- Ohshima, H., see Nagayama, F. (615) 85
- Ohshima, T., see Nagayama, F. (615) 85
- Onoue, Y.
Sulfite oxidase from *Merluccius productus* (615) 48
- Packter, N.M. and Alam, A.
Characterization of subspecies from a fungal fatty acid synthetase (615) 497
- Padron, M., see Gueguen, P. (615) 59
- Perbal, B., see Gueguen, P. (615) 59
- Plotkin, G.M. and Wolf, G.
Vitamin A and galactosyl transferase of tracheal epithelium (615) 94
- Pollard, A.C., see Poulos, A. (615) 370
- Poulos, A., Beckman, K. and Pollard, A.C.
The effect of the interdependence of protein and bile salt concentrations on the measurement of cerebroside sulphate sulphatase activity in human leucocyte and fibroblast extracts (615) 370
- Pradhan, P.G. and Nadkarni, G.B.
Functional multiplicity of phosphoglucose isomerase from *Lactobacillus casei* (615) 465
- Pradhan, P.G. and Nadkarni, G.B.
Effect of heavy water ($^2\text{H}_2\text{O}$) on regulatory properties of phosphoglucose isomerase from *Lactobacillus casei* (615) 474
- Prohaska, J.R., see Kraus, R.J. (615) 19
- Rao, N.A., see Sarada, K.V. (615) 299
- Raykova, D., see Dorovska-Taran, V. (615) 509
- Reimann, E.M., see Schlender, K.K. (615) 324
- Robinson, G.B., see Cotter, T.G. (615) 414
- Röhr, M., see Kubicek, C.P. (615) 449
- Saklatvala, J. and Barrett, A.J.
Identification of proteinases in rheumatoid synovium. Detection of leukocyte elastase cathepsin G and another serine proteinase (615) 167
- Sarada, K.V., Rao, N.A. and Venkatasubramanian, T.A.
Isolation and characterization of glutamate dehydrogenase from *Mycobacterium smegmatis* CDC 46 (615) 299
- Schlender, K.K., Beebe, S.J., Willey, J.C., Lutz, S.A. and Reimann, E.M.
Isolation and characterization of cyclic AMP-independent glycogen synthase kinase from rat skeletal muscle (615) 324
- Schrock, H.L. and Gennis, R.B.
The binding of fluorescent activator 2-(N-decyl)aminonaphthalene-6-sulfonic acid to pyruvate oxidase (615) 10
- Seiler, N., Bolkenius, F.N., Knödgen, B. and Mamont, P.
Polyamine oxidase in rat tissues (615) 480
- Shahani, K.M., see Dalaly, B.K. (615) 381
- Simko, B.A., see Welton, A.F. (615) 252
- Srivastava, A.K., see Karanth, N.G. (615) 279
- Stickel, D.C., see Fischer, H.F. (615) 27
- Stocchi, V., see Magnani, M. (615) 113
- Struve, W.G., see Brooks, A.S. (615) 354
- Sugiyama, K., see Tachiki, T. (615) 79
- Sussman, I., see Lerner, H. (615) 1
- Suzuki, H., see Nagayama, F. (615) 85
- Suzuki, K., see Izumi, T. (615) 402
- Tachiki, T., Kohno, H., Sugiyama, K., Matsubara, T. and Tochikura, T.
Purification, properties and formation of arginine- α -ketoglutarate transaminase in *Arthrobacter simplex* (615) 79
- Takamori, K., Thorpe, J.M. and Goldsmith, L.A.
Skin sulfhydryl oxidase. Purification and some properties (615) 309
- Taylor, A., see Bienkowska-Szewczyk, K. (615) 489
- Thorpe, J.M., see Takamori, K. (615) 309
- Tiller, G.E., see Brooks, A.S. (615) 354
- Tochikura, T., see Tachiki, T. (615) 79
- Trocheris, I., Herry, P., Keil-Dlouha, V. and Keil, B.
Chemical modifications of *Achromobacter* collagenase and their influence on the enzymic activity (615) 436
- Váli, Z., Kilár, F., Lakatos, S., Venyaminov,

- S.A. and Závorszky, P.
 L-Alanine dehydrogenase from *Thermus thermophilus* (615) 34
- Ventkitasubramanian, T.A., see Sarada, K.V. (615) 299
- Venyaminov, S.A., see Váli, Z. (615) 34
- Wada, H., see Yamada, M. (615) 458
- Waitkus, R.F., see Kubilus, J. (615) 246
- Watanabe, T., see Yamada, M. (615) 458
- Welton, A.F. and Simko, B.A.
 Metal ion and guanine nucleotide regulation of the inhibition of lung adenylate cyclase by adenosine analogs (615) 252
- Willey, J.C., see Schlender, K.K. (615) 324
- Wize, J.
 A latent collagenase from rheumatoid synovial fluid. Purification and partial characterization (615) 199
- Wolf, G., see Plotkin, G.M. (615) 94
- Wong, L.-J.C., see Wong, S.S. (615) 121
- Wong, S.S. and Wong, L.-J.C.
 Inactivation of *Escherichia coli* acetate kinase by N-ethylmaleimide. Protection by substrates and products (615) 121
- Yamada, M., Watanabe, T., Harino, S., Fukui, H. and Wada, H.
 The effects of protease inhibitors on histidine decarboxylase activities and assay of enzyme in various rat tissues (615) 458
- Závorszky, P., see Váli, Z. (615) 34