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Education Information

Postgraduate, Marmara University, Faculty of Pharmacy, Pharmaceutical Technology, Turkey 2006 - 2008

Doctorate, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, Turkey 1981 - 1985

Expertise In Medicine, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, Turkey 1979 - 1982

Undergraduate, Bogazici University, Faculty Of Basic Sciences, Kimya Pr., Turkey 1973 - 1978

Foreign Languages

English, C2 Mastery

Dissertations

Postgraduate, SÜT SERUMU PROTEİNLERİNDEN ELDE EDİLEN BİYOAKTİF FRAKSİYONLARIN LİPOZOMLANMASI, Marmara Üniversitesi, Faculty of Pharmacy, Pharmaceutical Technology, 2008

Doctorate, ZEHİRSİZLEŞTİRME MEKANİZMASINDA GLUTATYONUN VE İLGİLİ ENZİMLERİN ROLÜ, İstanbul Üniversitesi, İstanbul Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1985

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Associate Professor, University Of Graz, Faculty Of Medicine, Institute Of Medical Biochemistry, 1987 - 1988

Research Assistant, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1979 - 1985

Research Assistant, Hungarian Academy Of Sciences, Biological Research Center, Institute Of Enzymology, 1983 - 1984

Research Assistant, Stockholm University, Arrhenius Laboratory, -, 1982 - 1983

Academic and Administrative Experience

Marmara University, Genetik Ve Metabolik Hastalıklar Uygulama Ve Araştırma Merkezi, 2010 - Continues

Marmara University, School of Medicine, Basic Medical Sciences, 2004 - 2007
Marmara University, School of Medicine, Basic Medical Sciences, 2004 - 2007
Marmara University, School of Medicine, 2001 - 2002
Marmara University, Vocational School of Health Services, 1995 - 1999
Marmara University, Vocational School of Health Services, 1990 - 1999
Marmara University, Vocational School of Health Services, 1990 - 1999
Marmara University, Institute of Health Sciences, 1995 - 1996

Courses

Serbest Radikaller ve Antioksidanlar, Postgraduate, 2019 - 2020
Enzimoloji, Doctorate, 2019 - 2020
Biyokimya Araştırma Yöntemleri, Postgraduate, 2019 - 2020
Protein Biyokimyası, Doctorate, 2019 - 2020
Genel Biyokimya, Postgraduate, 2019 - 2020
Temel Biyokimya, Postgraduate, 2019 - 2020
Bridge, Undergraduate, 2019 - 2020

Advising Theses

Yalçın A., Glutamat/ NMDA eksitotoksitesitesi ile serbest radikal oluşumu arasındaki ilişkinin in vitro ve ex vivo incelenmesi, Expertise In Medicine, B.Küçükaya(Student), 1997

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synergistic Combination of Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid and Natural Flavonoid Curcumin Exhibits Anticancer and Antibacterial Activity.**
Altundağ E., Toprak K., Şanlıtürk G., Güran M., Özbilenler C., Kerküklü N., Yılmaz A. M., Yalçın A. S.
Anti-cancer agents in medicinal chemistry, vol.21, pp.1301-1308, 2021 (SCI-Expanded)
- II. **Synergistic Induction of Apoptosis by Quercetin and Curcumin in Chronic Myeloid Leukemia (K562) Cells: II. Signal Transduction Pathways Involved**
Altundag E. M., Yilmaz A. M., Serdar B. S., Jannuzzi A. T., Koçturk S., Yalçın A. S.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.73, no.4, pp.703-712, 2021 (SCI-Expanded)
- III. **The potential use of natural products to negate hepatic, renal and neuronal toxicity induced by cancer therapeutics**
Prša P., Karademir B., Biçim G., Mahmoud H., Dahan I., Yalçın A. S., Mahajna J., Milisav I.
BIOCHEMICAL PHARMACOLOGY, vol.173, 2020 (SCI-Expanded)
- IV. **Plasma homocysteine and aminothiol levels in idiopathic epilepsy patients receiving antiepileptic drugs**
Ramazan D. C., Anadol U., Yalcin A. D., YALÇIN A. S.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.44, no.5, pp.661-666, 2019 (SCI-Expanded)
- V. **Combined effects of quercetin and curcumin on anti-inflammatory and antimicrobial parameters in vitro**
Guran M., Sanliturk G., Kerkuklu N. R., Altundag E. M., YALÇIN A. S.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.859, 2019 (SCI-Expanded)
- VI. **Whey proteins: targets of oxidation, or mediators of redox protection**
Giblin L., YALÇIN A. S., Bicim G., Kramer A. C., Chen Z., Callanan M. J., Arranz E., Davies M. J.
FREE RADICAL RESEARCH, 2019 (SCI-Expanded)

- VII. **Synergistic Induction of Apoptosis by Quercetin and Curcumin in Chronic Myeloid Leukemia (K562) Cells**
Altundag E. M., Yilmaz A. M., Kocturk S., Taga Y., Yalcin A. S.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.70, no.1, pp.97-108, 2018 (SCI-Expanded)
- VIII. **Redox Regulation and Cancer Therapy**
Yalcin A. S., KARADEMİR B.
CURRENT PHARMACEUTICAL DESIGN, vol.24, no.44, pp.5232-5233, 2018 (SCI-Expanded)
- IX. **European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS).**
Egea J., Fabregat I., Frapart Y., Ghezzi P., Görlach A., Kietzmann T., Kubaichuk K., Knaus U., Lopez M., Olaso-Gonzalez G., et al.
Redox biology, vol.13, pp.94-162, 2017 (SCI-Expanded)
- X. **Imaging Reactive Oxygen Species-Induced Modifications in Living Systems**
Maulucci G., Bacic G., Bridal L., Schmidt H. H. W., Tavitian B., Viel T., Utsumi H., Yalcin A. S., De Spirito M.
ANTIOXIDANTS & REDOX SIGNALING, vol.24, no.16, pp.939-958, 2016 (SCI-Expanded)
- XI. **Effect of different culture media on isolation and differentiation of dendritic cells**
Yilmaz A. M., Altundag E. M., Gedik G., Kocturk S., Yalcin A. S., Taga Y.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.40, no.6, pp.440-447, 2015 (SCI-Expanded)
- XII. **Synergistic Effects of Methotrexate and Suberoylanilide Hydroxamic Acid in Triggering Apoptosis of Chronic Myeloid Leukemia Cells**
Altundag E. M., Yilmaz A. M., Corek C., Yalcin A. S., Taga Y., Kocturk S.
UHOD-ULUSLARARASI HEMATOLOJİ-ONKOLOJİ DERGISI, vol.25, no.1, pp.1-11, 2015 (SCI-Expanded)
- XIII. **The role of HSP90 in Quercetin induced apoptosis in human papillary thyroid B CPAP cancer cells**
ERGUL M. A., YILMAZ A. M., KASACI T., COREK C., TAGA Y., YALÇIN A. S.
Free Radical Biology And Medicine, vol.75, pp.43, 2014 (SCI-Expanded)
- XIV. **Comparison of antioxidant capacity, protein profile and carbohydrate content of whey protein fractions**
Onay-Ucar E., Arda N., Pekmez M., Yilmaz A. M., Boke-Sarikahya N., Kirmizigul S., Yalcin A. S.
FOOD CHEMISTRY, vol.150, pp.34-40, 2014 (SCI-Expanded)
- XV. **Free radicals whey proteins and colorectal cancer**
YALÇIN A. S., WAFİ A., YILMAZ A. M., AKTAN A. Ö.
Marmara Medical Journal (elektronik), pp.1-6, 2014 (SCI-Expanded)
- XVI. **Whey Protein Versus Whey Protein Hydrolyzate for the Protection of Azoxymethane and Dextran Sodium Sulfate Induced Colonic Tumors in Rats**
Attaallah W., Yilmaz A. M., Erdogan N., Yalcin A. S., Aktan A. O.
PATHOLOGY & ONCOLOGY RESEARCH, vol.18, no.4, pp.817-822, 2012 (SCI-Expanded)
- XVII. **Antioxidant activity of whey protein fractions isolated by gel exclusion chromatography and protease treatment**
Bayram T., Pekmez M., Arda N., Yalcin A. S.
TALANTA, vol.75, no.3, pp.705-709, 2008 (SCI-Expanded)
- XVIII. **Dietary whey supplementation in experimental models of wound healing**
VELİOĞLU ÖĞÜNÇ A., Manukyan M., Cingi A., Eksioğlu-Demiralp E., Aktan A. O., Yalcin A. S.
INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH, vol.78, no.2, pp.70-73, 2008 (SCI-Expanded)
- XIX. **Whey feeding suppresses the measurement of oxidative stress in experimental burn injury**
Oner O., Ogunc A., Cingi A., Uyar S., Yalcin A. S., Aktan A.
SURGERY TODAY, vol.36, no.4, pp.376-381, 2006 (SCI-Expanded)
- XX. **Emerging therapeutic potential of whey proteins and peptides**
Yalcin A. S.
CURRENT PHARMACEUTICAL DESIGN, vol.12, no.13, pp.1637-1643, 2006 (SCI-Expanded)
- XXI. **The role of reactive oxygen species and apoptosis in the pathogenesis of varicocele in a rat model**

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Cam K., Simsek F., Yuksel M., Turker L., Haklar G., Yalcin S., Akdas A.

INTERNATIONAL JOURNAL OF ANDROLOGY, vol.27, no.4, pp.228-233, 2004 (SCI-Expanded)

- XXII. **Thyroxine prevents reoxygenation injury in isolated proximal tubule cells.**
Erkan E., Sakarcan A., Haklar G., Yalcin S.
Pediatric nephrology (Berlin, Germany), vol.18, no.7, pp.636-43, 2003 (SCI-Expanded)
- XXIII. **Lipid peroxidation and osmotic fragility of red blood cells in sleep-apnea patients**
Ozturk L., Mansour B., Yuksel M., Yalcin A. S., Celikoglu F., Gokhan N.
CLINICA CHIMICA ACTA, vol.332, pp.83-88, 2003 (SCI-Expanded)
- XXIV. **Early detection of peritonitis in continuous ambulatory peritoneal dialysis patients by cytokine measurements**
Oymak Y., Velioglu A., Haklar G., Ozener C., Yalcin A. S.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.41, no.5, pp.640-645, 2003 (SCI-Expanded)
- XXV. **Measurement of nitric oxide in hippocampal slices: induction with nitroso compounds and the effect of depolarization**
Haklar G., Saybasili H., Yuksel M., Yalcin A. S.
ACTA NEUROBIOLOGIAE EXPERIMENTALIS, vol.63, no.4, pp.319-325, 2003 (SCI-Expanded)
- XXVI. **Measurement of nitric oxide in hippocampal slices: induction with nitroso compounds and the effect of depolarization.**
HAKLAR G., SAYBAŞILI N. H., YÜKSEL M., YALCIN A. S.
Acta neurobiologiae experimentalis, vol.63, no.4, pp.319-25, 2003 (SCI-Expanded)
- XXVII. **Depolarization-induced superoxide radical formation in rat hippocampal slices**
SAYBAŞILI N. H., YÜKSEL M., HAKLAR G., YALÇIN A. S.
NEUROCHEMICAL RESEARCH, vol.27, no.6, pp.473-476, 2002 (SCI-Expanded)
- XXVIII. **Deneysel Alzheimer hastalığı modelinde reaktif oksijen türleri ve nitrik oksit düzeyleri**
YÜKSEL M., HAKLAR G., YALÇIN A. S.
Turk Geriatri Dergisi-Turkish Journal Of Geriatrics, vol.5, pp.39-43, 2002 (SSCI)
- XXIX. **Oxygen radicals and nitric oxide in chondral and meniscal lesions or both**
HAKLAR U., YÜKSEL M., VELİOĞLU ÖĞÜNÇ A., TÜRKMEN M., HAKLAR G., YALÇIN A. S.
Clinical Orthopaedics And Related Research, vol.403, pp.135-142, 2002 (SCI-Expanded)
- XXX. **Oxygen radicals and nitric oxide in rat mesenteric ischaemia-reperfusion: Modulation by L-arginine and N-G-nitro-L-arginine methyl ester**
HAKLAR G., Ulukaya-Durakbasa C., YÜKSEL M., DAĞLI E. T., YALÇIN A. S.
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.25, no.11, pp.908-912, 1998 (SCI-Expanded)
- XXXI. **Effects of aminoguanidine on oxidative stress and nitric oxide release in diabetic rat kidneys**
Yavuz D., Kucukkaya B., Ersoz H., Yalcin A. S., Emerk K., Akalin S.
DIABETOLOGIA, vol.41, 1998 (SCI-Expanded)
- XXXII. **Early detection of peritonitis in continuous ambulatory peritoneal dialysis patients by use of chemiluminescence: evaluation of diagnostic accuracy by receiver-operating characteristic curve analysis.**
Dalaman G., Haklar G., Sipahiu A., Ozener C., Akoğlu E., Yalçin A. S.
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- XXXIII. **Early detection of peritonitis in continuous ambulatory peritoneal dialysis patients by use of chemiluminescence: evaluation of diagnostic accuracy by receiver-operating characteristic curve analysis**
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CLINICAL CHEMISTRY, vol.44, no.8, pp.1680-1684, 1998 (SCI-Expanded)
- XXXIV. **Measurement of reactive oxygen species by chemiluminescence in diet-induced atherosclerosis: protective roles of vitamin E and probucol on different radical species**
Haklar G., Sirikci Ö., Ozer N., Yalcin A. S.

INTERNATIONAL JOURNAL OF CLINICAL & LABORATORY RESEARCH, vol.28, no.2, pp.122-126, 1998 (SCI-Expanded)

- XXXV. **Low dose MK-801 protects against iron-induced oxidative changes in a rat model of focal epilepsy**
Kucukkaya B., Aker R., Yuksel M., Onat F., Yalcin A. S.
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- XXXVI. **Low Dose MK801 protects against iron induced oxidative changes in a rat model of focal epilepsy**
Küçükkaya B., Aker R., Yüksel M., Onat F., Yalçın A. S.
Brain Research, vol.788, pp.133-136, 1998 (SCI-Expanded)
- XXXVII. **Effect of donor age on the susceptibility of erythrocytes and erythrocyte membranes to cumene hydroperoxide-induced oxidative stress**
Onaran I., Yalcin A. S., Sultuybek G.
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- XXXVIII. **The functional assessment of autotransplanted splenic tissue by its capacity to remove oxidatively modified erythrocytes.**
Haklar G., Demirel M., Peker O., Eskitürk A., Işgör A., Söyletir G., Yalçın A. S.
Clinica chimica acta; international journal of clinical chemistry, vol.258, pp.201-8, 1997 (SCI-Expanded)
- XXXIX. **Reactive oxygen species production by the spermatozoa of patients with idiopathic infertility: relationship to seminal plasma antioxidants.**
Alkan I., Simsek F., Haklar G., Kervancioglu E., Ozveri H., Yalcin S., Akdas A.
The Journal of urology, vol.157, no.1, pp.140-3, 1997 (SCI-Expanded)
- XL. **NMDA excitotoxicity and free radical generation in rat brain homogenates: application of a chemiluminescence assay.**
Kucukkaya B., Haklar G., Yalcin A. S.
Neurochemical research, vol.21, no.12, pp.1535-8, 1996 (SCI-Expanded)
- XLI. **BQ-123, a specific endothelin (ETA) receptor antagonist, prevents ischemia-reperfusion injury in kidney transplantation**
Buyukgebiz O., Aktan A., Haklar G., Yalcin A. S., Yegen C., Yalin R., Ercan Z.
Transplant International, vol.9, no.3, pp.201-207, 1996 (SCI-Expanded)
- XLII. **Involvement of free radicals in the cardioprotective effect of defibrotide.**
Haklar G., Erşahin C., Moini H., Sungün M., Doğan N., Bilsel S., Emerk K., Yalçın A. S.
Arzneimittel-Forschung, vol.46, pp.381-4, 1996 (SCI-Expanded)
- XLIII. **Involvement of free radicals in the cardioprotective effect of defibrotide**
Haklar G., Ersahin C., Moini H., Sungun M., Dogan N., Bilsel S., Emerk K., Yalcin A. S.
ARZNEIMITTELFORSCHUNG-DRUG RESEARCH, vol.46, no.4, pp.381-384, 1996 (SCI-Expanded)
- XLIV. **Effect of carbamazepine therapy on erythrocyte and plasma antioxidant levels in children with benign partial epilepsy**
Yalcin A., Kisadere G., Guzel O., Yalcin A. S.
MEDICAL SCIENCE RESEARCH, vol.24, no.4, pp.223-224, 1996 (SCI-Expanded)
- XLV. **UNTITLED**
YEGEN C., AKTAN A., YALCIN S., YALIN R.
ANNALS OF SURGERY, vol.222, no.6, pp.767-768, 1995 (SCI-Expanded)
- XLVI. **Evaluation of oxidant stress in chronic hemodialysis patients: use of different parameters.**
HAKLAR G., YEGENAGA I., YALCIN A. S.
Clinica chimica acta; international journal of clinical chemistry, vol.234, pp.109-14, 1995 (SCI-Expanded)
- XLVII. **The effects of experimental splenic autotransplantation and imipenem-cilastatin treatment in postsplenectomy Pseudomonas aeruginosa sepsis.**
ESKITURK A., SOYLETIR G., PEKER O., HAKLAR G., YALCIN A. S., DEMIREL M., ISGOR A.
Research in experimental medicine. Zeitschrift fur die gesamte experimentelle Medizin einschliesslich experimenteller Chirurgie, vol.195, no.3, pp.163-9, 1995 (SCI-Expanded)
- XLVIII. **Protective effects of cilazapril against free radical injury in myocardial ischaemia-reperfusion.**
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- L. **EFFECT OF ANTIEPILEPTIC DRUGS ON ERYTHROCYTE OSMOTIC FRAGILITY AND LIPID-PEROXIDATION**
YALCIN A., ONARAN I., YALCIN A. S.
EPILEPSY RESEARCH, vol.19, no.3, pp.249-252, 1994 (SCI-Expanded)
- LI. **Effect of verapamil and iloprost (ZK 36374) on endothelin release after mesenteric ischemia-reperfusion injury**
YEGEN C., AKTAN A., BUYUKGEBIZ O., HAKLAR G., YALCIN A. S., YALIN R., ERCAN S.
European Surgical Research, vol.26, no.2, pp.69-75, 1994 (SCI-Expanded)
- LII. **Simple colorimetric method for determination of peroxide.**
Yalçin A. S., Haklar G., Emerk K.
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- LIIL. **The cytoprotective effects of verapamil and iloprost (ZK 36374) on ischemia/reperfusion injury of kidneys**
DOSLUOGLU H., AKTAN A., YEGEN C., OKBOY N., YALCIN A. S., YALIN R., ERCAN S.
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- LIV. **EFFECT OF VERAPAMIL ANALOGS ON ULCER HEALING**
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GASTROENTEROLOGY, vol.104, no.4, 1993 (SCI-Expanded)
- LV. **CUMENE HYDROPEROXIDE-INDUCED CHEMILUMINESCENCE IN HUMAN ERYTHROCYTES - EFFECT OF ANTIOXIDANTS AND SULFHYDRYL COMPOUNDS**
YALCIN A. S., SABUNCU N., EMERK K.
INTERNATIONAL JOURNAL OF BIOCHEMISTRY, vol.24, no.3, pp.499-502, 1992 (SCI-Expanded)
- LVI. **EFFECT OF CHRONIC HALOTHANE EXPOSURE ON LIPID-PEROXIDATION, OSMOTIC FRAGILITY AND MORPHOLOGY OF RAT ERYTHROCYTES**
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- LVII. **VERAPAMIL PREVENTS GASTRIC LIPID-PEROXIDATION AND ULCER FORMATION INDUCED BY COLD-RESTRAINT STRESS IN RATS**
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EUROPEAN JOURNAL OF PHARMACOLOGY, vol.183, no.2, pp.305, 1990 (SCI-Expanded)
- LVIII. **INTERACTION OF H-3 DEFIBROTIDE WITH CULTURED HUMAN UMBILICAL VEIN ENDOTHELIAL-CELLS**
BILSEL S., YALCIN A. S., TAGA Y., EMERK K.
THROMBOSIS RESEARCH, vol.58, no.5, pp.455-460, 1990 (SCI-Expanded)
- LIX. **EFFECT OF COLD-RESTRAINT STRESS ON GLUTATHIONE AND LIPID PEROXIDE LEVELS IN THE LIVER AND GLANDULAR STOMACH OF RATS**
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- LX. **Increased plasma and erythrocyte lipid peroxidation in hyperlipidemic individuals.**
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- LXI. **THE EFFECT OF VITAMIN-E THERAPY ON PLASMA AND ERYTHROCYTE LIPID-PEROXIDATION IN CHRONIC-HEMODIALYSIS PATIENTS**
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MEMBRANES

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LXV. STIMULATION OF LIPID-PEROXIDATION AND IMPAIRMENT OF GLUTATHIONE-DEPENDENT DEFENSE SYSTEM IN THE LIVER OF RATS REPEATEDLY TREATED WITH CARBON-TETRACHLORIDE

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LXVI. ALTERED AUTOPHOSPHORYLATION OF ADENOSINE 3',5'-PHOSPHATE-DEPENDENT PROTEIN-KINASE IN THE DUNCE MEMORY MUTANT OF DROSOPHILA-MELANOGASTER

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LXVII. LIPID-PEROXIDATION IN LIVER, PLASMA, AND ERYTHROCYTES OF RATS CHRONICALLY TREATED WITH ETHANOL

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BIOCHEMICAL MEDICINE, vol.34, no.3, pp.370-372, 1985 (SCI-Expanded)

LXVIII. INFLUENCE OF CARBON TETRACHLORIDE-ETHANOL TREATMENT ON HEPATIC LIPID-PEROXIDATION AND GLUTATHIONE-DEPENDENT ENZYMES IN RATS

YALCIN A. S., KOKAKTOKER N., UYSAL M., AYKAC G., SIVAS A., OZ H.

IRCS MEDICAL SCIENCE-BIOCHEMISTRY, vol.13, no.11, pp.1143-1144, 1985 (SCI-Expanded)

LXIX. THE EFFECT OF CHRONIC ETHANOL INGESTION ON HEPATIC LIPID PEROXIDE, GLUTATHIONE, GLUTATHIONE-PEROXIDASE AND GLUTATHIONE TRANSFERASE IN RATS

AYKAC G., UYSAL M., YALCIN A. S., KOKAKTOKER N., SIVAS A., OZ H.

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LXX. INFLUENCE OF ACUTE ETHANOL ADMINISTRATION ON HEPATIC GLUTATHIONE-PEROXIDASE AND GLUTATHIONE TRANSFERASE ACTIVITIES IN THE RAT

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Mokhberioskouei Z., Biçim G., Yılmaz Göler A. M., Yalcin A. S.

Clinical and Experimental Health Sciences, vol.13, no.3, pp.658-663, 2023 (ESCI)

II. Effect of whey protein derivatives on cell viability, cell migration and cell cycle phases in MCF-7 cells

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