

Prof. OYA ÜNSAL TAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya Anabilimdalı, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Yeni Bazı İzoksazolo[4,5-d]piridazin-4(5H)-on Türevlerinin Sentezi ve Farmakolojik Etkilerinin Araştırılması, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2009

Postgraduate, Bazı 5-Benziliden-6-metil-3(4H)-piridazinon Türevleri Üzerinde Çalışmalar, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2004

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2009 - 2013

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2002 - 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- Design and Discovery of New Dual Carbonic Anhydrase IX and VEGFR-2 Inhibitors Based on the Benzenesulfonamide-Bearing 4-Thiazolidinones/2,4-Thiazolidinediones Scaffold**
ZENGİN M., ÜNSAL TAN O., SABUNCUOĞLU S., Arafa R. K., BALKAN A.
DRUG DEVELOPMENT RESEARCH, vol.85, no.8, 2024 (SCI-Expanded)
- Synthesis, Molecular Modeling and Biological Assessment of Aryloxymethyl 1,3,4-Thiadiazole and**

1,2,4-Triazole-5-Thione Derivatives as Potential Cox Inhibitors

Shirzad M. M., ÖZADALI SARI K., ÜNSAL TAN O., HUSSEINI A. A., PALASKA E.
PHARMACEUTICAL CHEMISTRY JOURNAL, no.2, pp.209-215, 2024 (SCI-Expanded)

- III. **Synthesis and Tyrosinase Inhibitory Activity of Novel Benzimidazole/Thiazolidin-4-one Hybrid Derivatives**
Khraisat L. M. A. F., SABUNCUOĞLU S., GİRGIN G., ÜNSAL TAN O.
Chemistry and Biodiversity, vol.21, no.2, 2024 (SCI-Expanded)
- IV. **Synthesis, antimycobacterial and antifungal evaluation of new 4-(furan-2-ylmethyl)-6-methylpyridazin-3(2H)-ones**
Karayavuz B., Vagolu S. k., KART D., Tonjum T., ÜNSAL TAN O.
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, no.11, pp.1423-1431, 2024 (SCI-Expanded)
- V. **Design, Synthesis and Evaluation of Novel 4-(4-Chlorobenzyl)-6-methylpyridazin-3(2H)-one Derivatives as Hepatitis B Virus Inhibitors**
ÜNSAL TAN O., Moncol J., Durantel D.
CHEMISTRYSELECT, vol.7, no.40, 2022 (SCI-Expanded)
- VI. **Design, Synthesis and Cytotoxic Evaluation of N-Acylhydrazone-Incorporated Isoxazolo[4,5-d]pyridazin-4(5H)-one Derivatives**
ÖZADALI SARI K., Ceylan S., Yucel E. S., SABUNCUOĞLU S., ÜNSAL TAN O.
CHEMISTRY & BIODIVERSITY, vol.19, no.9, 2022 (SCI-Expanded)
- VII. **Investigation of anti-cholinesterase and anti-amyloidogenic activities of beta-lactam antibiotics**
Ozer E. O., Mirza H. C., ÜNSAL TAN O., Turkoglu S.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.47, no.3, pp.359-369, 2022 (SCI-Expanded)
- VIII. **Design and synthesis of new 2-oxoquinoxaliny-1,2,4-triazoles as antitumor VEGFR-2 inhibitors**
ZENGİN M., ÜNSAL TAN O., Arafa R. K., BALKAN A.
Bioorganic Chemistry, vol.121, 2022 (SCI-Expanded)
- IX. **Insights into the chemistry and therapeutic potential of acrylonitrile derivatives**
ÜNSAL TAN O., ZENGİN M.
ARCHIV DER PHARMAZIE, vol.355, no.3, 2022 (SCI-Expanded)
- X. **Azolo[d]pyridazinones in medicinal chemistry**
ÜNSAL TAN O., ÖZADALI SARI K.
FUTURE MEDICINAL CHEMISTRY, vol.13, pp.287-311, 2021 (SCI-Expanded)
- XI. **The structural diversity of ginsenosides affects their cholinesterase inhibitory potential**
Ozer E. O., ÜNSAL TAN O., Turkoglu S.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.45, no.2, 2020 (SCI-Expanded)
- XII. **Novel benzimidazole-acrylonitrile hybrids and their derivatives: Design, synthesis and antimycobacterial activity**
Sirim M. M., Krishna V. S., Sriram D., Tan O.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.188, 2020 (SCI-Expanded)
- XIII. **Design and Synthesis of 2-Substitutedphenyl Benzo[D]Thiazole Derivatives and Their β -Amyloid Aggregation and Cholinesterase Inhibitory Activities**
ZENGİN M., Unsal-Tan O., Küçükklınç T. T., AYAZGÖK B., BALKAN A.
Pharmaceutical Chemistry Journal, vol.53, no.4, pp.322-328, 2019 (SCI-Expanded)
- XIV. **Synthesis, molecular docking, and biological evaluation of novel 2-pyrazoline derivatives as multifunctional agents for the treatment of Alzheimer's disease**
Unsal-Tan O., Kuecuekkilinc T. T., AYAZGÖK B., BALKAN A., Ozadali-Sari K.
MedChemComm, vol.10, no.6, pp.1018-1026, 2019 (SCI-Expanded)
- XV. **Novel 2-Arylbenzimidazole derivatives as multi-targeting agents to treat Alzheimer's disease**
Unsal-Tan O., Ozadali-Sari K., AYAZGÖK B., Küçükklınç T. T., BALKAN A.
Medicinal Chemistry Research, vol.26, no.7, pp.1506-1515, 2017 (SCI-Expanded)
- XVI. **Novel multi-targeted agents for Alzheimer's disease: Synthesis, biological evaluation, and molecular modeling of novel 2-[4-(4-substitutedpiperazin-1-yl)phenyl]benzimidazoles**

Ozadali-Sari K., Tüylü Küçükılınç T., AYAZGÖK B., BALKAN A., Unsal-Tan O.

Bioorganic Chemistry, vol.72, pp.208-214, 2017 (SCI-Expanded)

- XVII. **A comparative study on monomer elution and cytotoxicity of different adhesive restoration materials**
Toz T., KIREMITCI A., ÇAKMAK A. S., TAN O., PALASKA E., GUEMUESDERELIOGLU M., Ozcan M.
Journal of Adhesion Science and Technology, vol.31, no.4, pp.414-429, 2017 (SCI-Expanded)
- XVIII. **Novel thiazolidinone-azole hybrids: Design, synthesis and antimycobacterial activity studies**
EROGLU B., Ozadali-Sari K., Unsal-Tan O., Dharmarajan S., Yogeewari P., BALKAN A.
Iranian Journal of Pharmaceutical Research, vol.15, no.4, pp.783-790, 2016 (SCI-Expanded)
- XIX. **Novel thiazolo[3,2-b]-1,2,4-triazoles derived from naproxen with analgesic/anti-inflammatory properties: Synthesis, biological evaluation and molecular modeling studies**
SARIGOL D., UZGOREN-BARAN A., TEL B. C., Somuncuoglu E. İ., KAZKAYASI İ., OZADALI-SARI K., UNSAL-TAN O., Okay G., Ertan M., Tozkoparan B.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.23, no.10, pp.2518-2528, 2015 (SCI-Expanded)
- XX. **1,2-Diaryl-2-hydroxyiminoethanones as Dual COX-1 and beta-Amyloid Aggregation Inhibitors: Biological Evaluation and In Silico Study**
IRANNEJAD H., Tan O., Ozadali K., DADASHPOUR S., Kucukkilinc T. T., AHANGAR N., AHMADNEJAD M., EMAMI S.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.85, no.4, pp.494-503, 2015 (SCI-Expanded)
- XXI. **Design, Synthesis and In Vitro Study of 5,6-Diaryl-1,2,4-triazine-3-ylthioacetate Derivatives as COX-2 and beta-Amyloid Aggregation Inhibitors**
DADASHPOUR S., Kucukkilinc T. T., Tan O., Ozadali K., IRANNEJAD H., EMAMI S.
ARCHIV DER PHARMAZIE, vol.348, no.3, pp.179-187, 2015 (SCI-Expanded)
- XXII. **Molecular docking studies and biological evaluation of chalcone based pyrazolines as tyrosinase inhibitors and potential anticancer agents**
QIN H., SHANG Z., JANTAN I., Tan O. U., HUSSAIN M. A., SHER M., BUKHARI S. N. A.
RSC ADVANCES, vol.5, no.57, pp.46330-46338, 2015 (SCI-Expanded)
- XXIII. **Biological Activity and Molecular Docking Studies of Curcumin-Related alpha,beta-Unsaturated Carbonyl-Based Synthetic Compounds as Anticancer Agents and Mushroom Tyrosinase Inhibitors**
Bukhari S. N. A., Jantan I., Tan O., Sher M., Naeem-ul-Hassan M., Qin H.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.62, no.24, pp.5538-5547, 2014 (SCI-Expanded)
- XXIV. **1-(4-Methoxyphenyl)-5-(3,4,5-trimethoxyphenyl)-1H-1,2,4-triazole-3-carboxamides: Synthesis, molecular modeling, evaluation of their anti-inflammatory activity and ulcerogenicity**
Abdel-Aziz M., Beshr E. A., Abdel-Rahman I. M., Ozadali K., Tan O., Aly O. M.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.77, pp.155-165, 2014 (SCI-Expanded)
- XXV. **Synthesis and antimycobacterial activities of some new thiazolylhydrazone derivatives**
Ozadali K., Tan O., Yogeewari P., Dharmarajan S., BALKAN A.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.24, no.7, pp.1695-1697, 2014 (SCI-Expanded)
- XXVI. **Synthesis, molecular modeling and evaluation of novel N'-2-(4-benzylpiperidin-/piperazin-1-yl)acylhydrazone derivatives as dual inhibitors for cholinesterases and A beta aggregation**
Ozer E. O., TAN O., Ozadali K., KUCUKKILINC T., BALKAN A., UÇAR G.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.23, no.2, pp.440-443, 2013 (SCI-Expanded)
- XXVII. **Molecular modeling, synthesis and screening of some new 4-thiazolidinone derivatives with promising selective COX-2 inhibitory activity**
UNSAI-TAN O., OZADALI K., PISKIN K., BALKAN A.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.57, pp.59-64, 2012 (SCI-Expanded)
- XXVIII. **Synthesis and Evaluation of Human Monoamine Oxidase Inhibitory Activities of Some 3,5-Diaryl-N-substituted-4,5-dihydro-1H-pyrazole-1-carbothioamide Derivatives**
Senturk K., Tan O., Ciftci S. Y., UÇAR G., PALASKA E.
ARCHIV DER PHARMAZIE, vol.345, no.9, pp.695-702, 2012 (SCI-Expanded)
- XXIX. **Synthesis and antimycobacterial activities of some new N-acylhydrazone and thiosemicarbazide derivatives of 6-methyl-4,5-dihydropyridazin-3(2H)-one**

Tan O., Ozadali K., Yogeewari P., Sriram D., BALKAN A.

MEDICINAL CHEMISTRY RESEARCH, vol.21, no.9, pp.2388-2394, 2012 (SCI-Expanded)

XXX. **Synthesis and evaluation of the analgesic activity of some new isoxazolo[4,5-d]pyridazin-4(5H)-one derivatives**

Tan O. U., Ozadali K., Yesilyurt O., Kayir H., Uzbay T., BALKAN A.

TURKISH JOURNAL OF CHEMISTRY, vol.35, no.1, pp.121-130, 2011 (SCI-Expanded)

XXXI. **Synthesis and cyclooxygenase inhibitory activities of some N-acylhydrazone derivatives of isoxazolo[4,5-d]pyridazin-4(5H)-ones**

UENSAL-TAN O., Oezden K., Rauk A., BALKAN A.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.45, no.6, pp.2345-2352, 2010 (SCI-Expanded)

XXXII. **The in vivo metabolism of 3-oxo-5-benzylidene-6-methyl-(4H)-2-(benzoylmethyl)pyridazine in rats**

Oruc E., Unsal O., Balkan A., Ozkanli F., Goren M., TERZİOĞLU BEBİTOĞLU B., Rollas S.

EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.31, no.1, pp.21-25, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. **Some New Hydrazone Derivatives Bearing the 1,2,4-Triazole Moiety as Potential Antimycobacterial Agents**

ÖZADALI SARI K., ÜNSAL TAN O., Sriram D., BALKAN A.

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.16, no.4, pp.432-436, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Studies on Some Benzothiazole Derivatives**

ZENGİN M., BALKAN A., ÜNSAL TAN O., TÜYLÜ KÜÇÜKKİLİNÇ Z. T., AYAZGÖK B.

12. International Symposium on Pharmaceutical Sciences, ISOPS, Ankara, Turkey, 26 - 29 June 2018

II. **Synthesis and Evaluation of Benzimidazole and 2-pyrazoline Derivatives as Multi-Target-Directed Ligands against Alzheimer's Disease**

ÜNSAL TAN O., ÖZADALI SARI K., AYAZGÖK B., TÜYLÜ KÜÇÜKKİLİNÇ Z. T., BALKAN A.

12. International Symposium on Pharmaceutical Sciences, ISOPS, Ankara, Turkey, 26 - 29 June 2018

III. **N-ACETYL DERIVATIVES OF 2-PYRAZOLINES AS POTENT MULTI-TARGETING AGENTS FOR ALZHEIMER'S DISEASE**

ÖZADALI SARI K., TÜYLÜ KÜÇÜKKİLİNÇ Z. T., AYAZGÖK B., BALKAN A., ÜNSAL TAN O.

2nd International Gazi Pharma Symposium Series, 11 - 13 October 2017

IV. **4,5-dihydro-1h-pyrazoles as cholinesterase and Aβ aggregation inhibitors for Alzheimer's disease**

TÜYLÜ KÜÇÜKKİLİNÇ Z. T., AYAZGÖK B., ÖZADALI SARI K., BALKAN A., ÜNSAL TAN O.

Uluslararası Biyokimya Kongresi 2017- 28. Ulusal Biyokimya kongresi, 19 - 23 September 2017

V. **4,5-dihydro-1h-pyrazoles as cholinesterase and Aβ aggregation inhibitors for Alzheimer's disease**

TÜYLÜ KÜÇÜKKİLİNÇ Z. T., AYAZGÖK B., ÖZADALI SARI K., BALKAN A., ÜNSAL TAN O.

28. Ulusal biyokimya Kongresi, Erzurum, Turkey, 19 - 23 September 2017

VI. **Novel benzimidazole derivatives with multi functions on cholinesterase enzymes and neuroprotection**

Ayazgök B., Tüylü Küçükkinç Z. T., Özadali Sarı K., Ünsal Tan O., Balkan A.

: 15th International Symposium on Cholinergic Mechanisms (ISCM), Marseille, France, 16 - 20 October 2016, vol.142, pp.188

Supported Projects

ÜNSAL TAN O., SIRIM M. M., Project Supported by Higher Education Institutions, AKRİLONİTRİL YAPISI TAŞIYAN BENZİMİDAZOL TÜREVLERİNİN SENTEZİ VE ANTİMİKOBAKTERİYEL AKTİVİTELERİNİN İNCELENMESİ, 2019 - 2020
BALKAN A., TÜYLÜ KÜÇÜKKILINÇ Z. T., ÜNSAL TAN O., ZENGİN M., AYAZGÖK B., Project Supported by Higher Education Institutions, 2-Fenilbenzotiyazol Türevleri Üzerinde Çalışmalar, 2018 - 2019
GÜR SOY R. N., GÜMÜŞEL B., TÜYLÜ KÜÇÜKKILINÇ Z. T., SABUNCUOĞLU S., ŞÖHRETOĞLU D., KILIÇ E., ÜNSAL TAN O., YABANOĞLU ÇİFTÇİ S., BAŞCI N. E., AKSOY E. A., et al., Project Supported by Higher Education Institutions, TS EN ISO/IEC 17025 Standardı kapsamında Hacettepe Üniversitesi Eczacılık Fakültesi İlaç ve Kozmetik Ar-Ge ve Kalite Kontrol Laboratuvarının (HÜNİKAL) Akreditasyonu Projesi, 2015 - 2016

Metrics

Publication: 40

Citation (WoS): 394

Citation (Scopus): 489

H-Index (WoS): 11

H-Index (Scopus): 12

Non Academic Experience

University of Calgary