

Prof. MEHTAP UYSAL

Personal Information

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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (Dr), Turkey 1991 - 1996

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (YI) (Tezli), Turkey 1988 - 1991

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1983 - 1987

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, 2-nitrostiren, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (YI) (Tezli), 2020

Doctorate, 2-aminofenolle beta-nitrostrenlern verdiği yeni tipte ntroetan türevlerinin sentezi, reaksiyonları ve antvmikrobiyal aktivitelerinin incelenmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (Dr), 2020

Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, 2010 - 2018

Academic and Administrative Experience

Erzincan Binali Yildirim University, Eczacılık Fakültesi, 2019 - 2019

Advising Theses

Uysal M., SYNTHESIS OF SOME 3(2H)-PYRIDAZINONE DERIVATIVES AND INVESTIGATION OF THEIR ACETYLCHOLINESTERASE AND BUTYRYLCHOLINESTERASE ACTIVITY, Postgraduate, A.GİRAY(Student), 2020

Uysal M., Studies On Synthesis And Structural Actvity Relationships Of Heterocyclic Compounds Acetylcholmesterase Enzyme Inhibitor Effect , Doctorate, Ö.FARUK(Student), 2019

UYSAL M., 6-süstitüe-3(2H)-piridazinon-2-asetil-2-(süstitüebenzalhidrazon) türevlerinin sentezleri ve biyolojik aktiviteleri, Doctorate, Z.ÖZDEMİR(Student), 2014

UYSAL M., 6-(4-(süstitüefenil)piperazin)-3(2h)pidazinon-2-il morfolinoasetamid türevlerinin sentezi, analjezik ve antiinflamatuvar aktivitelerinin araştırılması, Postgraduate, İ.HİMMET(Student), 2009

UYSAL M., 6-Fenil(4-Metilfenil)-3(2H)Piridazinon-2-propiyonamid türevlerinin sentezi ve antimikrobiyal aktivitelerinin araştırılması, Postgraduate, M.ŞİRİN(Student), 2009

UYSAL M., 6-Sübstitüe-3(2H)-piridazinon-2-il asetohidrazit türevi bileşiklerin sentezi antibakteriyel ve antifungal aktivitelerinin incelenmesi, Postgraduate, G.YELKEN(Student), 2008

UYSAL M., 6-(sübstitüe fenil-piperazin/piperidin)-5-metil?3(2h)-piridazinon türevlerinin sentezi, analjezik ve anti-inflamatuvar aktivitelerinin araştırılması, Postgraduate, M.MUHİBBİ(Student), 2008

UYSAL M., 2-[[4-(sübstitüe-fenil/benzil)-1-piperazinil/piperidinil]metil]-6-(4-metoksifenil)-3(2H) piridazinon türevi bileşiklerinin sentezi ve analjezik ve antienflamatuvar aktivitelerinin incelenmesi, Postgraduate, G.BAKIR(Student), 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **3(2H)-pyridazinone derivatives: Synthesis, in-silico studies, structure-activity relationship and in-vitro evaluation for acetylcholinesterase enzyme inhibition**
Col O. F., BOZBEY İ., TÜRKMEÑOĞLU B., Uysal M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1261, 2022 (SCI-Expanded)
- II. **Synthesis, Cytotoxicity and Anti-Proliferative Activity against AGS Cells of New 3(2H)-Pyridazinone Derivatives Endowed with a Piperazinyl Linker**
ALAGÖZ M. A., ÖZDEMİR Z., UYSAL M., Carradori S., Gallorini M., Ricci A., Zara S., Mathew B.
PHARMACEUTICALS, vol.14, no.3, 2021 (SCI-Expanded)
- III. **Design, Synthesis, and Biological Evaluation of Pyridazinones Containing the (2-Fluorophenyl) Piperazine Moiety as Selective MAO-B Inhibitors**
Cecen M., Oh J. M., ÖZDEMİR Z., BÜYÜKTUNCEL S. E., UYSAL M., Abdelgawad M. A., Musa A., Gambacorta N., Nicolotti O., Mathew B., et al.
MOLECULES, vol.25, no.22, 2020 (SCI-Expanded)
- IV. **Synthesis, molecular modelling and biological activity of some pyridazinone derivatives as selective human monoamine oxidase-B inhibitors**
ÖZDEMİR Z., ALAGÖZ M. A., USLU H., KARAKURT A., Erikci A., Ucar G., UYSAL M.
PHARMACOLOGICAL REPORTS, vol.72, no.3, pp.692-704, 2020 (SCI-Expanded)
- V. **Synthesis and biological evaluation of new 3(2H)-pyridazinone derivatives as non-toxic anti-proliferative compounds against human colon carcinoma HCT116 cells**
Özdemir Z., Utku S., Mathew B., Carradori S., Orlando G., Di Simone S., Alagöz M. A., Özçelik A. B., Uysal M., Ferrante C.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.35, no.1, pp.1100-1109, 2020 (SCI-Expanded)
- VI. **A new series of pyridazinone derivatives as cholinesterases inhibitors: Synthesis, in vitro activity and molecular modeling studies**
Özçelik A. B., Özdemir Z., Sarı S., Utku S., Uysal M.
PHARMACOLOGICAL REPORTS, vol.71, no.6, pp.1253-1263, 2019 (SCI-Expanded)
- VII. **SYNTHESIS OF NEW 6-[4-(2-FLUOROPHENYLPIPERAZINE-1-YL)]-3(2H)-PYRIDAZINONE-2-ACETHYL-2-(SUBSTITUTEDBENZAL)HYDRAZONE DERIVATIVES AND EVALUATION OF THEIR CYTOTOXIC EFFECTS IN LIVER AND COLON CANCER CELL LINES**
ÖZDEMİR Z., BAŞAK TÜRKMEN N., Ayhan I., ÇİFTÇİ O., UYSAL M.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.52, no.11, pp.923-929, 2019 (SCI-Expanded)
- VIII. **Design, synthesis, and molecular modeling of new 3(2H)-pyridazinone derivatives as acetylcholinesterase/butyrylcholinesterase inhibitors**
ÖZDEMİR Z., Yılmaz H., SARI S., KARAKURT A., ŞENOL DENİZ F. S., UYSAL M.
MEDICINAL CHEMISTRY RESEARCH, vol.26, no.10, pp.2293-2308, 2017 (SCI-Expanded)
- IX. **Investigation of Anti-leishmanial Activity of the Ten Different Hydrazone Derivatives**
DİREKEL Ş., KARAMAN Ü., TEZCAN ÜLGER S., UTKU S., ASLAN G., UYSAL M., Sahin M. F., DELİALİOĞLU N., ÜLGER M., EMEKDAŞ G.
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.22, no.4, pp.519-524, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Alzheimer Hastalığının Tedavisinde Kullanılan İlaçlar ve Yeni Yaklaşımlar**
Akdağ M., Ergün M., ÖZÇELİK A. B., UYSAL M.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.2, pp.1149-1159, 2019 (Peer-Reviewed Journal)
- II. **Studies on a novel series of 3(2H)-pyridazinones: Synthesis, molecular modelling, antimicrobial activity**
Özdemir Z., Alagöz M. A., Akdemir A. G., Özçelik A. B., Özçelik B., Uysal M.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.5, pp.960-972, 2019 (ESCI)
- III. **Design Synthesis and Evaluation of Some Novel 3 2H Pyridazinone 2 yl Acetohydrazides propionohydrazides as Acetylcholinesterase and Butyrylcholinesterase Inhibitors**
ÖZÇELİK A. B., UYSAL M., ERDOĞAN ORHAN İ., ŞENOL F. S.
FABAD Journal of Pharmaceutical Sciences, 2010 (Scopus)

Books & Book Chapters

- I. **Approaches Based on Cholinergic Hypothesis and Cholinesterase Inhibitors in the Treatment of Alzheimer'xxs Disease**
ÖZDEMİR Z., ÖZÇELİK A. B., UYSAL M.
in: Frontiers in Clinical Drug Research - Alzheimer Disorders, Prof. Atta-ur-Rahman, Editor, Bentham, pp.154-190, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **SYNTHESIS OF 6-SUBSTITUTED-3(2H) -PYRIDAZINONE-2-ACETYL-2-(SUBSTITUTED/NONSUBSTITUTED ACETOPHENONE) HYDRAZONE**
Rüzgar H. E., ÖZÇELİK A. B., ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ., UYSAL M.
DRD 2019, Malatya, Turkey, 1 - 03 July 2019
- II. **Synthesis of Some New Benzalhydrazone Derivatives and Evaluation of Their AChE Inhibitory Activity in Vitro**
BOZBEY İ., ÖZDEMİR Z., ÖZÇELİK A. B., UYSAL M.
2nd International Gazi Pharma Symposium Series, 11 - 13 October 2017
- III. **SYNTHESIS OF SOME NEW BENZALHYDRAZONE DERIVATIVES AND EVALUATION OF THEIR ACHE INHIBITORY ACTIVITY IN VITRO**
Bozbey İ., ÖZDEMİR Z., ÖZÇELİK A. B., UYSAL M.
2nd Gazi Pharma Symposium, 11 - 13 October 2017
- IV. **Determination of AChE/BChE Inhibitory Activity of Some New Synthesized 3(2H)-Pyridazinone Derivatives with Protein-Ligand Docking Approach and QSAR Methods**
Yılmaz H., Ozdemir Z., KARAKURT A., ŞENOL F. S., UYSAL M.
2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 October 2017
- V. **ACETYLCHOLINESTERASE AND BUTYRYLCHOLINESTERASE INHIBITORY POTENTIAL OF PYRIDAZINONE ANALOGS AS NEW INHIBITORS FOR ALZHEIMER DISEASE**
AKDEMİR A. G., ÖZÇELİK A. B., UTKU S., GÜLER Ö., UYSAL M., ŞENOL F. S., TEMEL H.
GPSS, 12 - 15 November 2015
- VI. **ANTI ALZHEIMER ACTIVITY OF NOVEL 6 SUBSTITUTED 3 2H PYRIDAZINONE 2 ACETYL 2 2 4 DISUBSTITUTED BENZAL HYDRAZONE DERIVATIVES**
ÖZÇELİK A. B., UTKU S., Güler Ö., ŞENOL F. S., UYSAL M.
GPSS, 12 - 15 November 2015
- VII. **Anti Alzheimer Activity of Novel 6 substituted 3 2H pyridazinone 2 acetyl 2 4 disubstituted benzal**

Hydrazone Derivatives

ÖZÇELİK A. B., UTKU S., GÜLER Ö., ŞENOL F. S., UYSAL M.

International Gazi Pharma Symposium Series, 12 - 15 November 2015

VIII. Acetylcholinesterase and Butrylcholinesterase Inhibitory Potential of Pyridazinone Analogs as New Inhibitors for Alzheimer Disease

AKDEMİR A. G., ÖZÇELİK A. B., UTKU S., GÜLER Ö., UYSAL M., ŞENOL F. S., TEMEL H.

International Gazi Pharma Symposium Series, 12 - 15 November 2015

IX. Synthesis of 6 Substituted 3 2H pyridazinone 2 acetyl 2 substituted nonsubstituted benzal hydrazone Derivatives

Akdemir A., ÖZÇELİK A. B., UTKU S., Güler Ö., UYSAL M., TEMEL H.

11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

X. Novel 6 Substituted 3 2H pyridazinone 2 acetyl 2 2 4 disubstitutedbenzal hydrazone Derivatives Synthesis and Structure Elucidation

ÖZÇELİK A. B., UTKU S., GÜLER Ö., UYSAL M.

11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

XI. Synthesis of Some Esters and Hydrazides of 3 2H Pyridazinone

GÜLER Ö., ÖZÇELİK A. B., UTKU S., UYSAL M., TEMEL H.

11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

XII. Analgesic and Anti-Inflammatory Effect of Pyridazinones/Aminoantipyrine Hybrids.

MAVANEH K., İNCELER N., BAYTAŞ S., UYSAL M., ULUDAĞ M. O., ABACIOĞLU N.

FASEB, 9 - 13 April 2011

Supported Projects

UYSAL M., Project Supported by Higher Education Institutions, 6-(4-Metilpiperazin)-3(2H)-piridazinon-2-asetil-3-(sübstütüe/nonsübstütüe) benzaldehit hidrazon türevlerinin sentezi ve antimikrobiyal aktivitelerinin araştırılması, 2013 - 2018

UYSAL M., Project Supported by Higher Education Institutions, 6-(4-HİDROKSİETİLPİPERAZİN)-3(2H)PİRİDAZİNON-2-ASETİL-3-(SÜBSTİTÜE/NONSÜBSTİTÜE) ASETOFENON HİDRAZON TÜREVLERİNİN V SENTEZİ VE ANTİMİKROBİYAL AKTİVİTELERİNİN ARAŞTIRILMASI, 2012 - 2013

UYSAL M., Project Supported by Higher Education Institutions, 6-(4-HİDROKSİETİLPİPERAZİN)-3(2H)-PİRİDAZİNON-2-ASETİL-3-(SÜBSTİTÜE/NONSÜBSTİTÜE) BENZALHİDRAZON TÜREVLERİNİN SENTEZİ VE ANTİMİKROBİYAL AKTİVİTELERİNİN ARAŞTIRILMASI, 2012 - 2013

UYSAL M., Project Supported by Higher Education Institutions, Bazı 3(2H)-piridazinonTürevlerinin Sentezi ve Asetilkolinesteraz ve butirilkolimesteraz İnhibitörü Aktivitelerinin Araştırılması, 2011 - 2013

UYSAL M., Project Supported by Higher Education Institutions, Bazı 3(2H)-Piridazinon türevlerinin Sentezi ve Antimikrobiyal Aktivitelerinin Araştırılması, 2011 - 2013

UYSAL M., Project Supported by Higher Education Institutions, 6-Benzil-3(2H)piridazinon-2-asetil-3-(Sübstütüe/nonsübstütüe)benzalhidrazon Türevlerinin Sentezi, 2011 - 2012

UYSAL M., Project Supported by Higher Education Institutions, 6-Benzil-3(2H)piridazinon-2-asetil-3-(Sübstütüe/nonsübstütüe) asetofenon hidrazon türevlerinin V sentezi ve Antimikrobiyal Aktivitelerinin Araştırılması, 2011 - 2012

UYSAL M., Project Supported by Higher Education Institutions, 6-p-SÜBSTİTÜEFENİL-3(2H)-PİRİDAZİNON-2-PROPIYONAMİT TÜREVLERİNİN SENTEZİ VE ANALJEZİK VE ANTİİNFLAMATUAR AKTİVİTELERİNİN ARAŞTIRILMASI, 2010 - 2011

UYSAL M., Project Supported by Higher Education Institutions, 2-[4-(Sübstütüefenil-1-piperazinilmetil]-6-(2-floro-4-metoksifenil)-3(2H)piridazinon türevlerinin sentezi ve analjezik ve antiinflamatuvar aktiviteleri araştırılması, 2010 - 2011

UYSAL M., Project Supported by Higher Education Institutions, Etil 6-Sübstütüe-3(2H)-piridazinon-2-propiyonat ve Etil 6-Sübstütüe-3(2H)-piridazinon-2-butirat türevlerinin sentezi ve analjezik, antiinflamatuvar ve antimikrobiyal aktivitelerinin incelenmesi, 2009 - 2011

UYSAL M., Project Supported by Higher Education Institutions, 6-Sübstitüe-3(2H)-piridazinon-2-asetamid türevlerinin sentezi ve analjezik, antiinflamatuvar ve antimikrobiyal aktivitelerinin incelenmesi, 2008 - 2010

UYSAL M., Project Supported by Higher Education Institutions, Bazı Etil 6-Sübstitüe-3(2h)Piridazinilasetat Türevi Bileşiklerin Sentezi ve Analjezik Aktivitelerinin İncelenmesi, 2006 - 2008

UYSAL M., Project Supported by Higher Education Institutions, 6-(4-Substitüe-fenil)-2-(4-substitüe-piperazino)metal-3-(2H)-piridazinon türevlerinin sentezi ve analjezik ve anti-enflamatuvar aktivitesinin incelenmesi, 2004 - 2006

UYSAL M., Project Supported by Higher Education Institutions, [6 (4-metoksifenil-3(2H) piridazinon-2-il] piperazinometil türevlerinin sentezi ve analjezik aktivitesi nin incelenmesi, 2003 - 2005

UYSAL M., Project Supported by Higher Education Institutions, Bazı metil{ 6-sübstitüe-3(2H)-piridazinon 2-il] asetat türevi bileşiklerin sentezi ve analjezik etkilerinin incelenmesi, 2002 - 2003

UYSAL M., Project Supported by Higher Education Institutions, 2[(2-Nitro-1-fenil -etil)tiyo]benzoik asit ve 2[(2-nitro-1-fenil-propil)tiyo]benzoik asit türevlerinin enantiyomerlerinin kiral ayrımı, 2001 - 2003

UYSAL M., Project Supported by Higher Education Institutions, Beta-Etil-nitrostirenlerin çeşitli tiyol grupları ile verdiği Micheal tipi katılma ürünlerinin incelenmesi, 2000 - 2000

UYSAL M., Project Supported by Higher Education Institutions, 6-Sübstitüte -3(2H)- pridazion türevlerinin sentezi ve aneljezik aktivitelerinin incelenmesi, 1999 - 1999

UYSAL M., Project Supported by Higher Education Institutions, 6-Fenil/(4-Metilfenil)-3(2h)-Piridazinon-2-Propiyonamid Türevlerinin Sentezi ve Analjezik, Antiinflamatuvar ve Antimikrobiyal Aktivitelerinin Araştırılması, 2008 - 210

Metrics

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