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Eğitim Bilgileri

Doktora, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), Türkiye 2002 - 2007

Yüksek Lisans, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (YI) (Tezli), Türkiye 2000 - 2002

Lisans, Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Türkiye 1996 - 2000

Yaptığı Tezler

Doktora, Deneysel diyabetin neden olduğu metabolik ve davranışsal değişimler üzerine insülinin ve Hypericum perforatum L. ekstresinin etkileri, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), 2007

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Araştırma Alanları

Eczacılık

Akademik Unvanlar / Görevler

Prof. Dr., Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2020 - Devam Ediyor

Yrd. Doç. Dr., Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2008 - 2014

Verdiği Dersler

Perinatal ve Pediyatrik Farmakoloji, Yüksek Lisans, 2013 - 2014

Farmakoloji Uygulamaları, Lisans, 2013 - 2014

Pratik İlaç Bilgisi, Lisans, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010

Farmakoloji III, Lisans, 2012 - 2013, 2010 - 2011, 2009 - 2010

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Farmasötik Bakım, Lisans, 2011 - 2012

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UFL701 Uzmanlık Alan Dersi, Yüksek Lisans, 2010 - 2011
Mezuniyet Projesi II (X), Lisans, 2010 - 2011
Farmakoterapi, Lisans, 2010 - 2011
Eczacılık Uygulamaları II (W5) , Lisans, 2009 - 2010
Eczacılık Uygulamaları I , Lisans, 2009 - 2010
Topluma Hizmet Uygulamaları , Lisans, 2009 - 2010
Farmakoloji III (ECZ316), Lisans, 2008 - 2009
Farmakoterapi (ECZ430), Lisans, 2008 - 2009

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design and synthesis of novel dithiazole carboxylic acid Derivatives: In vivo and in silico investigation of their Anti-Inflammatory and analgesic effects**
TURAN YÜCEL N., Asfour A. A. R., EVREN A. E., YAZICI C., KANDEMİR Ü., Özkay Ü. D., CAN Ö. D., YURTTAŞ L.
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- II. **Catecholaminergic and Cholinergic Systems Mediate Beneficial Effect of Vortioxetine on Diabetes-Induced Neuropathic Pain**
TURAN YÜCEL N., KANDEMİR Ü., Ucel U. I., DEMİR ÖZKAY Ü., CAN Ö. D.
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- III. **Antidepressant-like effect of tofisopam in mice: A behavioural, molecular docking and MD simulation study**
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- IV. **SYNTHESIS AND ANTIDEPRESSANT-LIKE ACTIVITIES OF SOME PIPERIDINE DERIVATIVES: INVOLVEMENTS OF MONOAMINERGIC AND OPIOIDERGIC SYSTEMS**
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- V. **5-HT1A Serotonergic, alpha-Adrenergic and Opioidergic Receptors Mediate the Analgesic Efficacy of Vortioxetine in Mice**
TURAN YÜCEL N., Kandemir U., DEMİR ÖZKAY Ü., CAN Ö. D.
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- VI. **Synthesis and Antinociceptive Effect of Some Thiazole-Piperazine Derivatives: Involvement of Opioidergic System in the Activity**
TURAN YÜCEL N., OSMANİYE D., Kandemir U., Evren A. E., CAN Ö. D., DEMİR ÖZKAY Ü.
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- VII. **Synthesis, characterization, and in vivo pharmacological evaluation of novel mannich bases derived from 1,2,4-triazole containing a naproxen moiety**
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- VIII. **Catecholaminergic and opioidergic system mediated effects of reboxetine on diabetic neuropathic pain**
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- IX. **Antiamnesic effects of tofisopam against scopolamine-induced cognitive impairments in rats**
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- X. **Beneficial effect of mirtazapine on diabetes-induced hyperalgesia: involvement of TRPV1 and ASIC1 channels in the spinal cord and dorsal root ganglion**
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- XI. **Mirtazapine suppresses sterile inflammation through NLRP3-inflammasome in diabetic rat kidney**
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- XII. **Investigating the Antidepressant-like Effects of some Benzimidazolepiperidine Derivatives by *In-Vivo* Experimental Methods**
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- XIII. **Synthesis of Novel Benzazole Derivatives and Evaluation of Their Antidepressant-Like Activities with Possible Underlying Mechanisms**
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- XIV. **Antihyperalgesic Activity of Atomoxetine on Diabetes-Induced Neuropathic Pain: Contribution of Noradrenergic and Dopaminergic Systems**
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- XV. **The Effect of Agomelatine Treatment on Diabetes-Induced Cognitive Impairments in Rats: Concomitant Alterations in the Hippocampal Neuron Numbers**
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- XVI. **Synthesis of Some Novel Thiadiazole Derivative Compounds and Screening Their Antidepressant-Like Activities**
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- XVII. **ROLE OF ST. JOHN'S WORT (HYPERICUM PERFORATUM L.) IN THE MANAGEMENT OF DIABETES AND NEUROLOGICAL DISORDERS**
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- XVIII. **A benzothiazole/piperazine derivative with acetylcholinesterase inhibitory activity: Improvement in streptozotocin-induced cognitive deficits in rats**
DEMİR ÖZKAY Ü., CAN Ö. D., SAĞLIK B. N., Turan N.
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- XIX. **Antidepressant-like effect of gallic acid in mice: Dual involvement of serotonergic and catecholaminergic systems**
CAN Ö. D., Turan N., DEMİR ÖZKAY Ü., ÖZTÜRK Y.
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- XX. **Synthesis and Antidepressant Activity Profile of Some Novel Benzothiazole Derivatives**
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- XXI. **Pharmacological and Toxicological Screening of Novel Benzimidazole-Morpholine Derivatives as Dual-Acting Inhibitors**
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- XXII. **MAO enzymes inhibitory activity of new benzimidazole derivatives including hydrazone and propargyl side chains**
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- XXIII. **Anticholinesterase activity screening of some novel dithiocarbamate derivatives including piperidine and piperazine moieties**
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- XXIV. **Synthesis and antinociceptive activities of some novel benzimidazole-piperidine derivatives**
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- XXV. **Effect of subacute agomelatine treatment on painful diabetic neuropathy: involvement of catecholaminergic mechanisms**
Aydin T. H., CAN Ö. D., DEMİR ÖZKAY Ü., Turan N.
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- XXVI. **Design, synthesis, and AChE inhibitory activity of new benzothiazole-piperazines**
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- XXVII. **Opioid system mediated anti-nociceptive effect of agomelatine in mice**
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- XXVIII. **Synthesis and Evaluation of New 1,3,4-Thiadiazole Derivatives as Antinociceptive Agents**
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- XXIX. **Antinociceptive Activities of Some 4,5-Dihydro-1*H*-Pyrazole Derivatives: Involvement of Central and Peripheral Pathways**
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- XXX. **Synthesis and anti-nociceptive, anti-inflammatory activities of new aroyl propionic acid derivatives including N-acylhydrazone motif**
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- XXXI. **Effects of long-term agomelatine treatment on the cognitive performance and hippocampal plasticity of adult rats**
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- XXXII. **Ciprofloxacin-induced neurotoxicity: Evaluation of possible underlying mechanisms**
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- XXXIII. **Antihyperalgesic and antiallodynic effects of mianserin on diabetic neuropathic pain: A study on mechanism of action**
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- XXXIV. **Synthesis and Evaluation of New 1,5-Diaryl-3-[4-(methyl-sulfonyl)phenyl]-4,5-dihydro-1*H*-pyrazole Derivatives as Potential Antidepressant Agents**
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- XXXV. **Anti-nociceptive effect of vitexin mediated by the opioid system in mice**
DEMİR ÖZKAY Ü., CAN Ö. D.

- PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, cilt.109, ss.23-30, 2013 (SCI-Expanded)
- XXXVI. **Synthesis of new 1-phenyl-2-(4-substituted-piperazin-1-yl)-propanol derivatives and evaluation of their antidepressant-like effects**
DEMİR ÖZKAY Ü., YURTTAŞ L., ÖZKAY Y., Ucel U. I., CAN Ö. D., ÖZTÜRK Y.
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- XXXVII. **Central Nervous System Activities of Hypericum organifolium Extract via GABAergic and Opioidergic Mechanisms**
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- XXXVIII. **Anti-depressant-like effect of vitexin in BALB/c mice and evidence for the involvement of monoaminergic mechanisms**
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- XXXIX. **Effects of Hypericum montbretti Extract on the Central Nervous System and Involvement of GABA (A)/Benzodiazepine Receptors in its Pharmacological Activity**
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- XL. **The effect of simvastatin treatment on behavioral parameters, cognitive performance, and hippocampal morphology in rats fed a standard or a high-fat diet**
CAN Ö. D., ULUPINAR E., DEMİR ÖZKAY Ü., Yegin B., ÖZTÜRK Y.
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- XLI. **Effect of benzothiazole/piperazine derivatives on intracerebroventricular streptozotocin-induced cognitive deficits**
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- XLII. **Antinociceptive activities of some triazole and pyrazoline moieties-bearing compounds**
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- XLIII. **Synthesis and analgesic activity of some acetamide derivatives**
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- XLIV. **Synthesis of thiadiazole derivatives bearing hydrazone moieties and evaluation of their pharmacological effects on anxiety, depression, and nociception parameters in mice**
CAN Ö. D., ALTINTOP M. D., DEMİR ÖZKAY Ü., Ucel U. I., Dogruer B., KAPLANCIKLI Z. A.
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- XLV. **Psychopharmacological profile of Chamomile (Matricaria recutita L.) essential oil in mice**
CAN Ö. D., DEMİR ÖZKAY Ü., KIYAN H. T., DEMİRCİ B.
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- XLVI. **Effects of Insulin and St. John's Wort Treatments on Anxiety, Locomotory Activity, Depression, and Active Learning Parameters of Streptozotocin-Diabetic Rats**
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- XLVII. **Effects of treatment with St. John's Wort on blood glucose levels and pain perceptions of streptozotocin-diabetic rats**
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- XLVIII. **Synthesis and analgesic effects of 2-(2-carboxyphenylsulfanyl)-N-(4-substitutedphenyl)acetamide derivatives**
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- XLIX. **New antidepressant drug candidate: Hypericum montbretti extract**

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- L. **New pyrazoline derivatives and their antidepressant activity**
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- LI. **Effects of hawthorn seed and pulp extracts on the central nervous system**
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- LII. **Effects of Some 1,3,5-Trisubstitued-2-pyrazoline Derivatives on Depression and Anxiety Parameters of Mice**
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- LIII. **The Other Face of Diabetes Mellitus: Psychiatric and Neurodegenerative Complications: Review**
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- LIV. **A Natural Antidepressant: <i>Hypericum Perforatum</i> L.: Review**
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- LV. **Synthesis and antinociceptive activities of some pyrazoline derivatives**
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- LVI. **An evaluation of the bottom ashes from healthcare waste in a laboratory scale incinerator: Microbiology, mutagenicity and toxicity**
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- LVII. **Effects of carvacrol acetate on the isolated rat bladder and vas deferens**
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- LVIII. **Analgesic and antispasmodic activities of 2-(2-nitro-phenyl)-1H-benzimidazole 5-carboxylic acid: evidence for the importance of the 2-(o-substituted phenyl) group**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Antidepressant-Like Effect of the Polymethoxylated Flavone Tangeretin from Citrus Peels: The Role of Serotonergic Mechanisms**
Guner N. I., Can O. D.
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- II. **Beneficial Effect of Atomoxetine Treatment on Scopolamine-Induced Cognitive Impairments and Molecular Changes in Rats**
TURAN YÜCEL N., Ucel U. I., KANDEMİR Ü., CAN Ö. D.
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- III. **BENEFICIAL EFFECTS OF REBOXETINE ON IMPAIRED BEHAVIORAL PARAMETERS OF DIABETIC RATS**
REBOXETİN'İN DİYABETİK SIÇANLARDA BOZULMUŞ DAVRANIŞ PARAMETRELERİ ÜZERİNDEKİ YARARLI ETKİLERİ
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Ankara Üniversitesi Eczacılık Fakültesi Dergisi, cilt.47, sa.1, 2022 (Scopus)
- IV. **TOFISOPAM'IN OPİOİDERJİK SİSTEM ARACILIKLI ANTİNOZİSEPTİF ETKİNLİĞİ**
TURAN YÜCEL N., ÜÇEL U. İ., YAZICI C., DEMİR ÖZKAY Ü., CAN Ö. D.

- ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, cilt.46, sa.3, ss.712-727, 2022 (Scopus)
- V. **TOFİSOPAM'IN OPİOİDERJİK SİSTEM ARACILIKLI ANTİNOSİSEPTİF ETKİNLİĞİ**
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- VI. **Huperzin A: Gölgede Kalmış Bir Nootropik Ajan**
TURAN N., CAN Ö. D.
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- VII. **Benzotiyazol Halkası Taşıyan Bazı Bileşiklerin Antinosiseptif ve Anksiyolitik-Benzeri Etkileri**
DEMİR ÖZKAY Ü., ÜÇEL U. İ., TURAN N., CAN Ö. D.
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- II. **EFFECT OF PRENATAL VORTIOXETINE EXPOSE ON EMOTIONAL BEHAVIOUR OF THE OFFSPRING**
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- III. **BENEFICIAL EFFECT OF SCHINUS MOLLE L. ESSENTIAL OIL INHALATION ON SCOPOLAMINE-INDUCED IMPAIRMENTS IN SPATIAL LEARNING AND MEMORY PERFORMANCE OF RATS**
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- IV. **Antidepressant-like Effects of Some Piperazine Derivatives Piperazine Derivatives**
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- VIII. **Effect of reboxetine treatment on the neuroanatomical and immunohistochemical changes in diabetes at spinal level**
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- IX. **Catecholaminergic and opioidergic systems mediate the acute antinociceptive effect of tofisopam in mice**
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- X. **Serotonergic system-mediated anxiolytic-like effects of myricetin**
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- XV. **1,2, 4-triazol türevi bazı bileşiklerin antidepressan-benzeri etkileri**
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- XVI. **Hypericum hircinum L. ekstresinin farelerdeki anksiyolitik-benzeri etkisine GABA-A/benzodiazepin reseptörleri aracılık eder**
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- XVIII. Vitexin: a flavonoid with a wide spectrum of pharmacological activity**
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- XIX. Opioid receptor subtypes mediating the supraspinal antinociceptive effect of tofisopam**
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- XX. The effects of reboxetine on diabetes-induced cognitive impairments**
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- XXIV. Antinociceptive activity of tofisopam, an atypical anxiolytic drug, in mice**
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3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, 16 - 18 Nisan 2019
- XXVI. Our natural weapons against toxoplasma gondii: A recent review**
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- XXVII. Antidepressant-like Effect of Chlorogenic Acid: Some Approaches for the Mode of Action**
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- XXX. Agomelatin'in Sıçanlarda Diyabet ile İndüklenen Davranışsal Bozukluklar Üzerine Etkileri**
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- V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), 16 - 17 Kasım 2018
- XXXI. **Bazı tiyadiazol türevi bileşiklerin santral sinir sistemi üzerine etkilerinin araştırılması**
TURAN N., ÜÇEL U. İ., CAN Ö. D.
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- XXXII. **Atomoksetin'in D2/D3 Dopaminerjik Reseptörler Aracılıklı Anti-allodinik Etkisi**
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- XXXIII. **INVESTIGATION OF MONOAMINE OXIDASE INHIBITORY ACTIVITIES OF NEW CHALCONE DERIVATIVES: COMPARISON OF LC-MS/MS AND FLUOROMETRIC METHODS**
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- XXXIV. **Identification of a novel metabolite originating from JWH-015 using LCMS-IT-TOF**
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- XXXV. **Anxiolytic-like Activities of Some 1,3,4-Thiadiazole Derivatives**
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- XXXVII. **Antidepressant-like effect of some benzimidazole-piperidine derivatives**
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- XXXVIII. **Anxiolytic-like effect of methanolic extract prepared from Hypericum hircinum L. subsp. majus (aiton) n. Robson Herba**
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- XXXIX. **Anti-nociceptive effect of some benzothiazole derivatives**
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- XLI. **Eski İlaçların Yeni Endikasyonları: Anthelmentik İlaçların Antikanser Etkinlik Potansiyellerine Dair Bir Gözden Geçirme**
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- XLII. **Santral Sinir Sistemi Hastalıklarının Farmakoterapisi İçin Yeni Yaklaşımlar: Kolinerjik Reseptörler Ve İlişkili Ligandlar**
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- XLIII. **Alterations in Dendritic Spine Morphology on the Hippocampal Neurons of Diabetic Rats**
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- XLIV. **Neuropharmacological Aspects of some CRATAEGUS Species of TURKEY**
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- XLV. **AN INVESTIGATION ON THE EFFECT OF REBOXETINE TREATMENT ON THERMAL HYPERALGESIA AND ALLODYNIA IN DIABETIC RATS**
TURAN N., DEMİR ÖZKAY Ü., CAN Ö. D.
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- XLVI. **Efficacy of tianeptine on diabetes induced mechanical hyperalgesia and allodynia parameters of rats**
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- XLVII. **EFFECT OF TOFISOPAM ON PROLIFERATION OF GRANULAR NEURONS IN RAT HIPPOCAMPUS**
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- XLVIII. **THERAPEUTIC POTENTIAL OF REBOXETINE TREATMENT ON MECHANICAL STIMULI INDUCED HYPERALGESIA AND ALLODYNIA IN DIABETIC RATS**
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- XLIX. **CONTRIBUTION OF NITRIC OXIDE RELATED NOCICEPTIVE MECHANISMS TO THE PERIPHERALLY MEDIATED ANTI-NOCICEPTIVE ACTIVITY OF AGOMELATINE**
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- L. **Anti-Alzheimer etki potansiyelleri açısından benzotiyazol/piperidin/piperazin türevleri**
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- LI. **Agomelatin Tedavisinin Diyabet Kaynaklı Bilişsel Bozukluklar Üzerine Etkileri: Eşlik Eden Hippokampal Morfolojik Değişimler**
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- LII. **Ethnopharmacological Features of Rosa canina L. (Rosaceae)**
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- LIII. **Effects of agomelatine on diabetic neuropathy and structural properties of the nociceptive neurons**
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- LIV. **Beneficial Effect of Tianeptine Treatment on Streptozotocin-Induced Hyperalgesia**
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- LV. **Mianserin-induced Alterations in the Brain Monoamine Levels of Diabetic Rats**
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- LVI. **Effects of Agomelatine Treatment on the Hippocampal Morphology in Diabetic Rats**
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- LVII. **Tofisopam'ın sıçanlarda skopolamin ile indüklenen amnezi üzerine etkileri**
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- LVIII. **Beneficial effects of Origanum species against parasitic infections caused by protozoans, helminths and arthropods**
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- LIX. **Tianeptin'in deneysel diyabet oluşturulmuş sıçanlarda ortaya çıkan termal allodini üzerindedavı edici etkinliği**
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- LX. **EFFECTS OF SALVIA SPECIES ON THE CENTRAL NERVOUS SYSTEM: POSSIBLE THERAPEUTIC IMPLICATIONS**
SALTAN N., TURAN N., CAN Ö. D.
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- LXI. **LAVANDULA ANGUSTIFOLIA Miller (LAMIACEAE): ITS THERAPEUTIC POTENTIAL ON AFFECTIVE DISORDERS**
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- LXII. **Agomelatin için olası yeni bir endikasyon: adrenerjik reseptör aracılıklı anti-nöropatik etki**
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- LXIII. **Alzheimer Hastalığı'nın tedavisinde güncel gelişmeler: Her yönüyle Huperzin A**
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- LXIV. **Which anti depressant drug should be preferred for the treatment of neuropathic pain in diabetic population**
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- LXV. **New benzimidazole-hydrazones as MAO inhibitors**
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- LXVI. **Investigation of the involvement of dopaminergic receptor subtypes in the gallic acid induced antidepressant like activity**
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- LXVIII. **Antidepressant like effects of chlorogenic acid possible underlying mechanisms**
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- LXIX. **Increase in synaptic catecholamine level contributes to the antihyperalgesic effect of agomelatine in diabetic rats**
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- LXX. **New Antiprotozoal Drug Candidates From Natural Products to Synthetic Molecules**
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- LXXI. **Anxiolytic-like Effects Of Some 4,5-dihydro-1h-pyrazole Derivatives**
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- LXXII. **Antidepressan-benzeri Etkinlik Açısından Kersetin: Rol Oynayan Monominerjik Reseptör Tipleri**
ALYU TEKEŞ F., DEMİR ÖZKAY Ü., CAN Ö. D., ÖZTÜRK Y.
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- LXXIII. **Gallik asit ile indüklenen antidepresan-benzeri etkinlikte rol oynayan serotonerjik reseptör alt-tiplerinin aydınlatılmasına ilişkin bir araştırma**
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- LXXIV. **St John s wort is a metabolic enhancer to control weight gain**
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- LXXV. **Beneficial effect of agomelatine on diabetes induced depression and cognitive deficites in rats**
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- LXXVI. **Synthesis of Novel 4 Substituted Piperazine 1 Carbodithioic Esters and Investigation of Their Inhibitory Activity Against Cholinesterase Enzymes**
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