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ScopusID: 56779707700

Yoksis Araştırmacı ID: 195285

Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., Türkiye 2012 - 2018

Yüksek Lisans, İnönü Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (YI), Türkiye 2007 - 2012

Lisans, İstanbul Üniversitesi, Eczacılık Fakültesi, Türkiye 2000 - 2004

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

Eğitim Yönetimi ve Planlama, Eğitimcilerin Eğitimi Programı, Hacettepe Üniversitesi Yaşam Boyu Öğrenme Merkezi, 2014

Sağlık ve Tıp, Deney Hayvanı Kullanım Sertifikası, Hacettepe Üniversitesi Hayvan Deneyleleri Yerel Etik Kurulu, 2014

Yaptığı Tezler

Doktora, (Arialkil)azol yapısında yeni oksim ester türevleri üzerinde çalışmalar: Sentez, biyolojik aktivite ve moleküler modelleme, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., 2018

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Araştırma Alanları

Sağlık Bilimleri, Eczacılık, Meslek Bilimleri, Farmasötik Kimya

Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2020 - Devam Ediyor
Araştırma Görevlisi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2013 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **New Ester-Containing Azole Derivatives With Potent Anti-*Candida* Effects: Synthesis, Antifungal Susceptibility, Cytotoxicity, and Molecular Modeling Studies**
Ataker Y., Oncue O., GÜLMEZ KIVANÇ D., SABUNCUOĞLU S., ARIKAN AKDAĞLI S., SARI S.
DRUG DEVELOPMENT RESEARCH, cilt.85, sa.7, 2024 (SCI-Expanded)
- II. **Potent Antimicrobial Azoles: Synthesis, In Vitro and In Silico Study**
ÖZDEMİR Z., ZENNİ Y. N., Karakurt A., SARI S., Sarac S., Akdag M., BOZBEY MERDE İ., KART D., Venanzoni R., Flores G. A., et al.
ANTIBIOTICS-BASEL, cilt.13, sa.11, 2024 (SCI-Expanded)
- III. **Alpha-Glucosidase Inhibitory Effects of Flavonoids, Phenolic Acids and Iridoids Isolated From *Vinca Soneri*: In Vitro and In Silico Perspectives**
Uyanir E., Soral M., SEYHAN G., AKKAYA D., BARUT B., SARI S., DUMAN H., RENDA G., ŞÖHRETOĞLU D.
CHEMISTRY & BIODIVERSITY, sa.10, 2024 (SCI-Expanded)
- IV. **Histone deacetylase inhibitory properties of metabolites from leaves of *Quercus pontica* K. Koch and its metabolites**
RENDA G., Sevgi S., Soral M., BORA AKOĞLU G., SARI S., Cetin O., Zobaroglu-Ozer P., ŞÖHRETOĞLU D.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, 2024 (SCI-Expanded)
- V. **Galactokinase-like protein from *Leishmania donovani*: Biochemical and structural characterization of a recombinant protein**
Baber H., Aghajani A., Gallimore B. H., Bethel C., Hyatt J. G., King E. F., Price H. P., Maciej-Hulme M. L., SARI S., Winter A.
Biochimie, cilt.223, ss.31-40, 2024 (SCI-Expanded)
- VI. **Effective α -glycosidase inhibitors based on polyphenolic benzothiazole heterocycles**
Sevimli E., SEYHAN G., AKKAYA D., SARI S., BARUT B., Köksoy B.
Bioorganic Chemistry, cilt.147, 2024 (SCI-Expanded)
- VII. **In vitro and in silico investigation of FDA-approved drugs to be repurposed against Alzheimer's disease**
AKKAYA D., SEYHAN G., SARI S., BARUT B.
Drug Development Research, cilt.85, sa.3, 2024 (SCI-Expanded)
- VIII. **Azoles display promising anticonvulsant effects through possible PPAR- α activation**
SARI S., Yurtoğlu S., ZENGİN M., Marcinkowska M., Siwek A., Saraç S.
Neuroscience Letters, cilt.828, 2024 (SCI-Expanded)
- IX. **A transcriptomics-based drug repositioning approach to identify drugs with similar activities for the treatment of muscle pathologies in spinal muscular atrophy (SMA) models**
Hoolachan J. M., McCallion E., Sutton E. R., Çetin Ö., Pacheco-Torres P., Dimitriadi M., SARI S., Miller G. J., Okoh M., Walter L. M., et al.
Human Molecular Genetics, cilt.33, sa.5, ss.400-425, 2024 (SCI-Expanded)
- X. **Discovery of novel IDO1/TDO2 dual inhibitors: a consensus Virtual screening approach with molecular dynamics simulations, and binding free energy analysis**
Hanif N., SARI S.
Journal of Biomolecular Structure and Dynamics, 2024 (SCI-Expanded)
- XI. **Myrtenyl-bispidine containing azole: synthesis and antifungal activity**
Li-Zhulanov N. S., Ponomarev K. Y., Sarı S., Gülmez Kivanç D., Arıkan Akdağlı S., Krasnov V. I., Suslov E. V., Volcho K. P., Salakhutdinov N. F.
Mendeleev Communications, cilt.34, sa.1, ss.119-121, 2024 (SCI-Expanded)
- XII. **Synthesis and biological evaluation of novel zinc (II) and nickel (II) phthalocyanines as**

cholinesterase inhibitors

AKKAYA D., BARUT B., SARI S., REIS R., Fazli H., BIYIKLIOĞLU Z., ÖZEL A.

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- XIII. **Azole derivatives inhibit wildtype butyrylcholinesterase and its common mutants**
SARI S., ÖNDER S., AKKAYA D., SABUNCUOĞLU S., ZENGİN M., BARUT B., KARAKURT A.
Drug Development Research, cilt.84, sa.5, ss.1018-1028, 2023 (SCI-Expanded)
- XIV. **Design, Synthesis, and Molecular Modeling of New and Safe Azole Oxime Esters with Promising Antifungal Activity**
Yurtoğlu S., SARI S., KART D., SABUNCUOĞLU S., Saraç S.
ChemistrySelect, cilt.8, sa.18, 2023 (SCI-Expanded)
- XV. **Rational Design of New Monoterpene-Containing Azoles and Their Antifungal Activity**
Li-Zhulanov N. S., Zaikova N. P., Sarı S., Gülmez Kıvanç D., Sabuncuoğlu S., Özadalı Sarı K., Arıkan Akdağlı S., Nefedov A. A., Rybalova T. V., Volcho K. P., et al.
Antibiotics, cilt.12, sa.5, 2023 (SCI-Expanded)
- XVI. **The inhibitory effect of escitalopram on mouse detrusor contractility: The role of L-type calcium channels**
ENGİN S., BARUT E. N., Erac Y., SARI S., DUMAN M.
Toxicology and Applied Pharmacology, cilt.461, 2023 (SCI-Expanded)
- XVII. **Molecular and Computational Analysis Identify Statins as Selective Inhibitors of Human Butyrylcholinesterase**
Atay M. S., SARI S., BODUR E.
Protein Journal, cilt.42, 2023 (SCI-Expanded)
- XVIII. **Design, Synthesis, and Biological Evaluation of Some Benzothiazolone Derivatives as Cholinesterase Inhibitors**
ALAGÖZ M. A., AKKAYA D., ARSLAN G., Uludağ B., ÖZDEMİR Z., BARUT B., Önkol T., SARI S.
ChemistrySelect, cilt.7, sa.46, 2022 (SCI-Expanded)
- XIX. **Bioactive Saponins of Primula vulgaris Huds. Promote Wound Healing through Inhibition of Collagenase and Elastase Enzymes: in Vivo, in Vitro and in Silico Evaluations**
KAHRAMAN Ç., SARI S., AKKOL E., ÇANKAYA İ. İ.
CHEMISTRY & BIODIVERSITY, cilt.19, 2022 (SCI-Expanded)
- XX. **In Vitro and in Silico Investigation of DNA Interaction, Topoisomerase I and II Inhibitory Properties of Polydatin**
ŞÖHRETOĞLU D., BARUT B., SARI S., ÖZEL A., Kuruuzum-Uz A., Arroo R.
CHEMISTRY & BIODIVERSITY, cilt.19, sa.10, 2022 (SCI-Expanded)
- XXI. **In Vitro Cytotoxicity of Methano[1,2,4]Triazolo-[1,5-C][1,3,5]Benzoxadiazocine Derivatives and Their Effects on Nitrite and Prostaglandin E2 (PGE2) Levels**
DOĞAN İ. S., GÜMÜŞ M. K., Gorobets N. Y., Reis R., Orak D., SİPAHİ H., SARI S., Chebanov V. A.
PHARMACEUTICAL CHEMISTRY JOURNAL, cilt.56, sa.6, ss.769-776, 2022 (SCI-Expanded)
- XXII. **Inhibition of Cholinesterases by Benzothiazolone Derivatives**
ALAGÖZ M. A., Kim S., Oh J. M., ARSLAN G., ÖZDEMİR Z., SARI S., ÖZÇELİK A. B., ÖNKOL T., Trisciuzzi D., Nicolotti O., et al.
PROCESSES, cilt.10, sa.9, 2022 (SCI-Expanded)
- XXIII. **Anti-inflammatory and Antinociceptive Potential of Verbascum latisepalum**
KAHRAMAN Ç., SARI S., AKKOL E., AKDEMİR Z. Ş., ÇANKAYA İ. İ.
REVISTA BRASILEIRA DE FARMACOGNOSIA-BRAZILIAN JOURNAL OF PHARMACOGNOSY, cilt.32, sa.4, ss.537-543, 2022 (SCI-Expanded)
- XXIV. **Antifungal Azole Derivatives Featuring Naphthalene Prove Potent and Competitive Cholinesterase Inhibitors with Potential CNS Penetration According to the in Vitro and in Silico Studies**
SARI S., AKKAYA D., ZENGİN M., SABUNCUOĞLU S., ÖZDEMİR Z., ALAGÖZ M. A., KARAKURT A., BARUT B.
CHEMISTRY & BIODIVERSITY, cilt.19, sa.7, 2022 (SCI-Expanded)
- XXV. **Synthesis, Molecular Modelling and In Vitro Anti-inflammatory Activity of Novel 1,2,4-Triazolo[4,3-**

a]quinoxaline Derivatives

DOĞAN İ. S., KAHVECİ B., SARI S., Kolci K., Reis R., ŞİPAHI H.

CHEMISTRYSELECT, cilt.7, sa.26, 2022 (SCI-Expanded)

- XXVI. **Rutin increases alpha-tubulin acetylation via histone deacetylase 6 inhibition**
Cetin O., SARI S., Erdem-Yurter H., BORA G.
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- XXVII. **Multiple biological effects of secondary metabolites of Ziziphus jujuba: isolation and mechanistic insights through in vitro and in silico studies**
ŞÖHRETOĞLU D., Bakir S. D., BARUT B., Soral M., SARI S.
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, cilt.248, ss.1059-1067, 2022 (SCI-Expanded)
- XXVIII. **Potential of nafimidone derivatives against co-morbidities of epilepsy: In vitro, in vivo, and in silico investigations**
SARI S., BARUT B., Marcinkowska M., SABUNCUOĞLU S., AVCI A., KOÇAK ASLAN E., ÖZEL A., Siwek A.
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- XXIX. **Inhibitory Action of Omega-3 and Omega-6 Fatty Acids Alpha-Linolenic, Arachidonic and Linoleic acid on Human Erythrocyte Acetylcholinesterase**
Akay M. B., Şener K., Sarı S., Bodur E.
Protein Journal, cilt.42, 2022 (SCI-Expanded)
- XXX. **Azoles containing naphthalene with activity against Gram-positive bacteria: in vitro studies and in silico predictions for flavohemoglobin inhibition**
SARI S., SABUNCUOĞLU S., KOÇAK ASLAN E., AVCI A., KART D., ÖZDEMİR Z., Acar M. F., Sayoglu B., ALAGÖZ M. A., KARAKURT A., et al.
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- XXXI. **Flavonoids as tyrosinase inhibitors in in silico and in vitro models: basic framework of SAR using a statistical modelling approach**
Jakimiuk K., SARI S., Milewski R., Supuran C. T., ŞÖHRETOĞLU D., Tomczyk M.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.37, sa.1, ss.421-430, 2022 (SCI-Expanded)
- XXXII. **Alpha-glucosidase and tyrosinase inhibitor of polyphenols isolated from Potentilla speciosa var. speciosa: In vitro and in silico perspectives**
Özgünseven A., BARUT B., Şoral M., SARI S., AKAYDIN G., ÖZEL A., ŞÖHRETOĞLU D.
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- XXXIII. **Azole antifungal compounds could have dual cholinesterase inhibitory potential according to virtual screening, enzyme kinetics, and toxicity studies of an inhouse library**
BARUT B., SARI S., SABUNCUOĞLU S., ÖZEL A.
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- XXXIV. **Discovery of potent alpha-glucosidase inhibitors through structure-based virtual screening of an in-house azole collection**
SARI S., Barut B., ÖZEL A., Sarac S.
CHEMICAL BIOLOGY & DRUG DESIGN, cilt.97, sa.3, ss.701-710, 2021 (SCI-Expanded)
- XXXV. **Inhibition of cholinesterases by safranin O: Integration of inhibition kinetics with molecular docking simulations**
ÖNDER S., SARI S., TACAL Ö.
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- XXXVI. **Azole derivatives with naphthalene showing potent antifungal effects against planktonic and biofilm forms of Candida spp.: an in vitro and in silico study**
SARI S., Kocak E., KART D., ÖZDEMİR Z., ACAR M., Sayoglu B., KARAKURT A., DALKARA S.
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- XXXVII. **Antibacterial azole derivatives: Antibacterial activity, cytotoxicity, and in silico mechanistic studies**
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- XXXVIII. **In vitro and in silico assessment of DNA interaction, topoisomerase I and II inhibition properties of chrysofenetin**
Şöhretoğlu D., Barut B., Sari S., Özel A., Arroo R.
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- XXXIX. **Flavonoids as alpha-glucosidase inhibitors: mechanistic approaches merged with enzyme kinetics and molecular modelling**
ŞÖHRETOĞLU D., SARI S.
PHYTOCHEMISTRY REVIEWS, cilt.19, sa.5, ss.1081-1092, 2020 (SCI-Expanded)
- XL. **Flavones as tyrosinase inhibitors: kinetic studies in vitro and in silico**
Arroo R. R. J., SARI S., Barut B., ÖZEL A., Ruparelia K. C., ŞÖHRETOĞLU D.
PHYTOCHEMICAL ANALYSIS, cilt.31, sa.3, ss.314-321, 2020 (SCI-Expanded)
- XLII. **p-Trifluoroacetophenone Oxime Ester Derivatives: Synthesis, Antimicrobial and Cytotoxic Evaluation, and Molecular Modeling Studies**
Bozbey I., Sari S., Şalva E., Kart D., Karakurt A.
Letters In Drug Design & Discovery, cilt.17, sa.2, ss.169-183, 2020 (SCI-Expanded)
- XLIII. **Synthesis, DNA interaction, in vitro/in silico topoisomerase II inhibition and photodynamic therapy activities of two cationic BODIPY derivatives**
BARUT B., ÇOBAN Ö., YALÇIN C. Ö., Baş H., SARI S., BIYIKLIOĞLU Z., DEMİRBAŞ Ü., ÖZEL A.
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- XLIV. **Novel water soluble BODIPY compounds: Synthesis, photochemical, DNA interaction, topoisomerases inhibition and photodynamic activity properties**
BARUT B., YALÇIN C. Ö., SARI S., ÇOBAN Ö., Keleş T., BIYIKLIOĞLU Z., Abudayyak M., DEMİRBAŞ Ü., ÖZEL A.
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- XLV. **A new series of pyridazinone derivatives as cholinesterases inhibitors: Synthesis, in vitro activity and molecular modeling studies**
Ozcelik A. B., ÖZDEMİR Z., SARI S., Utku S., Uysal M.
PHARMACOLOGICAL REPORTS, cilt.71, sa.6, ss.1253-1263, 2019 (SCI-Expanded)
- XLVI. **Discovery and Characterisation of Dual Inhibitors of Tryptophan 2,3-Dioxygenase (TDO2) and Indoleamine 2,3-Dioxygenase 1 (IDO1) Using Virtual Screening.**
Sari S., Tomek P., Leung E., Reynisson J.
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- XLVII. **Tyrosinase inhibitory effects of Vinca major and its secondary metabolites: Enzyme kinetics and in silico inhibition model of the metabolites validated by pharmacophore modelling**
SARI S., BARUT B., ÖZEL A., ŞÖHRETOĞLU D.
BIOORGANIC CHEMISTRY, cilt.92, 2019 (SCI-Expanded)
- XLVIII. **Discovery of new azoles with potent activity against Candida spp. and Candida albicans biofilms through virtual screening**
SARI S., KART D., Ozturk N., KAYNAK F. B., Gencil M., Taskor G., KARAKURT A., Sarac S., Essiz S., DALKARA S.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.179, ss.634-648, 2019 (SCI-Expanded)
- XLIX. **Antifungal screening and in silico mechanistic studies of an in-house azole library**
SARI S., KART D., SABUNCUOĞLU S., DOĞAN İ. S., ÖZDEMİR Z., Bozbey I., Gencil M., Essiz S., Reynisson J., KARAKURT A., et al.
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- L. **Synthesis, in vivo anticonvulsant testing, and molecular modeling studies of new nafimidone derivatives**
ACAR M., SARI S., DALKARA S.
DRUG DEVELOPMENT RESEARCH, cilt.80, sa.5, ss.606-616, 2019 (SCI-Expanded)
- LI. **Synthesis and cytotoxicity studies on new pyrazole-containing oxime ester derivatives**
KARAKURT A., Bozbey I., USLU H., SARI S., ÖZDEMİR Z., ŞALVA E.
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- LII. **Tyrosinase and α -glucosidase inhibitory potential of compounds isolated from Quercus coccifera**

bark: In vitro and in silico perspectives

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- LII. **Synthesis, anticonvulsant screening, and molecular modeling studies of new arylalkylimidazole oxime ether derivatives**
ÖZDEMİR Z., SARI S., KARAKURT A., DALKARA S.
Drug Development Research, cilt.80, sa.2, ss.269-280, 2019 (SCI-Expanded)
- LIII. **α -Glucosidase inhibitory effects of polyphenols from Geranium asphodeloides: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
RENDA G., SARI S., BARUT B., ŞORAL M., LIPTAJ T., KORKMAZ B., ÖZEL A., ERİK İ., ŞÖHRETOĞLU D.
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- LIV. **Tyrosinase inhibition by some flavonoids: Inhibitory activity, mechanism by in vitro and in silico studies**
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.
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- LV. **Synthesis and anticonvulsant screening of 1,2,4-triazole derivatives**
SARI S., KAYNAK F. B., DALKARA S.
Pharmacological Reports, cilt.70, sa.6, ss.1116-1123, 2018 (SCI-Expanded)
- LVI. **Tyrosinase inhibition by a rare neolignan: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
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Computational Biology and Chemistry, cilt.76, ss.61-66, 2018 (SCI-Expanded)
- LVII. **Discovery of potent alpha-glucosidase inhibitor flavonols: Insights into mechanism of action through inhibition kinetics and docking simulations**
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.
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- LVIII. **Synthesis, anticonvulsant activity, and molecular modeling studies of novel 1-phenyl/1-(4-chlorophenyl)-2-(1H-triazol-1-yl)ethanol ester derivatives**
DOĞAN İ. S., ÖZDEMİR Z., SARI S., Bozbey İ., KARAKURT A., Saraç S.
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- LIX. **Potential of Potentilla inclinata and its polyphenolic compounds in α -glucosidase inhibition: Kinetics and interaction mechanism merged with docking simulations**
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- LX. **GPCR Modulation of Thieno[2,3-b]pyridine Anti-Proliferative Agents**
Zafar A., SARI S., Leung E., Pilkington L. I., Van Rensburg M., Barker D., Reynisson J.
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- LXI. **α -Glucosidase inhibitory effect of Potentilla astracantha and some isoflavones: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
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- LXII. **Design, synthesis, and molecular modeling of new 3(2H)-pyridazinone derivatives as acetylcholinesterase/butyrylcholinesterase inhibitors**
ÖZDEMİR Z., Yılmaz H., SARI S., KARAKURT A., Şenol F. S., Uysal M.
Medicinal Chemistry Research, cilt.26, sa.10, ss.2293-2308, 2017 (SCI-Expanded)
- LXIII. **New Anti-Seizure (Arylalkyl)azole Derivatives: Synthesis, In Vivo and In Silico Studies**
SARI S., DALKARA S., KAYNAK F. B., REYNISSON J., Sarac S., KARAKURT A.
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- LXIV. **New azole derivatives showing antimicrobial effects and their mechanism of antifungal activity by molecular modeling studies**
DOĞAN İ. S., SARAC S., SARI S., KART D., Gokhan S. E., VURAL İ., DALKARA S.

- EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.130, ss.124-138, 2017 (SCI-Expanded)
- LXV. **New (arylalkyl)azole derivatives showing anticonvulsant effects could have VGSC and/or GABA(A)R affinity according to molecular modeling studies**
SARI S., KARAKURT A., USLU H., KAYNAK F. B., Calis U., DALKARA S.
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- LXVI. **Coumarin or benzoxazinone based novel carbonic anhydrase inhibitors: synthesis, molecular docking and anticonvulsant studies**
Karataş M. O., Uslu H., SARI S., Alagöz M. A., Karakurt A., Alıcı B., Bilen Ç., Yavuz E., Gencer N., Arslan O.
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Advances in the natural α -glucosidase inhibitors**
ŞÖHRETOĞLU D., RENDA G., Arroo R., Xiao J., SARI S.
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- II. **Virtual screening, identification and in vitro validation of small molecule GDP-mannose dehydrogenase inhibitors**
Dolan J. P., Ahmadipour S., Wahart A. J. C., Cheallagh A. N., SARI S., Eurtivong C., Lima M. A., Skidmore M. A., Volcho K. P., Reynisson J., et al.
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- III. **A hybrid ligand and structure-based virtual screening of NCI compound library identifies potential SAPT1 inhibitors**
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