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Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 2009 - 2012

Yüksek Lisans, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli),

Türkiye 2005 - 2008

Lisans, Süleyman Demirel Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye

2001 - 2005

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, 8b58Ni reaksiyonunun 2- ve 3-cisim yaklaşımları kullanılarak incelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2012

Yüksek Lisans, Hatree-fock (HF) ve yoğunluk fonksiyon teori (DFT) metotlarıyla 2-, 3- ve 4- triflorometilbenzaldehit moleküllerinin titreşimsel analizleri ve moleküler yapıları, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2008

Araştırma Alanları

Fizik, Kimya

Akademik Unvanlar / Görevler

Doç.Dr., Yozgat Bozok Üniversitesi, Sorgun Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2013 - Devam Ediyor

Araştırma Görevlisi, Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2007 - 2013

Akademik İdari Deneyim

Yozgat Bozok Üniversitesi, 2014 - 2016

Yozgat Bozok Üniversitesi, 2013 - 2014

Verdiği Dersler

FİZİK, Ön Lisans, 2023 - 2024

MÜHENDİSLİK BİLİMİ, Ön Lisans, 2023 - 2024

MUKAVEMET, Ön Lisans, 2023 - 2024

OTOMOTİV ELEKTRİĞİ, Ön Lisans, 2023 - 2024

OTO103 MESLEKİ MATEMATİK I, Ön Lisans, 2017 - 2018

OTO104 MESLEKİ MATEMATİK II, Ön Lisans, 2017 - 2018

OTO101 FİZİK, Ön Lisans, 2017 - 2018

OTOs102 MESLEKİ İNGİLİZCE I, Ön Lisans, 2017 - 2018

İNT107 FİZİK, Ön Lisans, 2015 - 2016

FİZ568 NÜKLEER SPEKTROSKOPİ, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZ540 NÜKLEER FİZİK II, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZ8XX UZMANLIK ALAN DERSİ, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZ569 NÜKLEER REAKSİYON DİNAMİĞİ, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZ539 NÜKLEER FİZİK I, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

Yönetilen Tezler

SERT Y., Zayıf bağlı çekirdeklerin elastik saçılmasının optik model yaklaşımıyla incelenmesi, Yüksek Lisans, R.YEGİN(Öğrenci), 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Deciphering the Biophysical Properties of Ion Channel Gating Pores by Coumarin–Benzodiazepine Hybrid Derivatives: Selective AMPA Receptor Antagonists**
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- II. **Designing of two new cadmium(II) complexes as bio-active materials: Synthesis, X-ray crystal structures, spectroscopic, DFT, and molecular docking studies**
OmarAli A. B., Ahmed R. K., Al-Karawi A. J. M., Marah S., Kansız S., SERT Y., Jaafar M. I., DEGE N., POYRAZ E. B., Ahmed A. M., et al.
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- III. **Synthesis of novel pyrazole-4-carboxylates by rearrangement reaction: Experimental and theoretical characterization**
Korkusuz E., SERT Y., ŞAHİN E., Yıldırım İ., KOCA İ.
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- IV. **Heterojunction solar cell based on donor–acceptor pi-conjugated naphthalene bisbenzimidazole, perylene bisbenzimidazole, and naphthalene imidazole: A spectroscopic, microscopic and DFT assessment**
ÜNSALAN O., SERT Y., ALTUNAYAR ÜNSALAN Ç., Erten-Ela S.
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- V. **Synthesis, Crystal Structure, Hirshfeld Surface Analysis, Molecular Docking, IR Spectroscopy and**

DFT Calculations of a Novel 2D Layered Hybrid Compound (C₆H₁₀N₃O)(₂)Cu₂Cl₆

Gharbi C., SERT Y., Cinar E. B., Boehme U., DEGE N., Ben Nasr C., Khedhiri L.

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- VI. **Metal-Free Synthesis via Intramolecular Cyclization, Enzyme Inhibition Properties and Molecular Docking of Novel Isoindolinones**
ATMACA U., Saglamtas R., SERT Y., ÇELİK M., GÜLÇİN İ.
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- VII. **Using tea bag filter as a sufficient cellulosic membrane for removal of Safranin-O dye from water: adsorption and density functional theory studies**
Al-Kinani E. M., Hadi S. A., Hamud W. M., Al-Karawi A. J. M., Ahmed R. K., Kansiz S., SERT Y.
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- VIII. **Design, synthesis, characterization, antioxidant, antiproliferative activity and molecular docking studies of new transition metal complexes of 1,2,4-triazole as combretastatin A-4 analogues**
Jawad W. A., Balakit A. A., Al-Jibouri M. N. A., SERT Y., Obies M.
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- IX. **New Heterocyclic Compound as Carbon Steel Corrosion Inhibitor in 1 M H₂SO₄, High Efficiency at Low Concentration: Experimental and Theoretical Studies**
Allah M. A. A. H., Balakit A. A., Salman H. I., Abdulridha A. A., SERT Y.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, cilt.37, sa.3, ss.525-547, 2023 (SCI-Expanded)
- X. **Triad pyrazole-thiazole-coumarin heterocyclic core effectively inhibit HSP and drive cancer cells to apoptosis**
Gümüş M., Koca İ., Sert Y., Dişli A., Yenilmez Tunoğlu E. N., Tutar L., Tutar Y.
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- XI. **Structure Elucidation, Hirshfeld Surface Analysis, Molecular Docking and Computational Studies of a Jahn-Teller Distorted Octahedral Cobalt (II) Complex with Saccharin Ligand**
Mohammed H. A., SERT Y., Albayati M. R., DEGE N., ŞEN F.
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- XII. **Computational Study of a Novel Compound with Thioether-Bridge**
Şen F., Cukurovalı A., Sert Y.
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- XIII. **Synthesis, X-Ray Diffraction, Spectroscopic Characterization, Hirshfeld Surface Analysis, Molecular Docking Studies, and DFT Calculation of New Pyrazolone Derivatives**
Ait Elmachkouri Y., SERT Y., Irrou E., Anouar E. H., Ouachtak H., Mague J. T., Sebbar N. K., Essassi E. M., Labd Taha M.
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- XIV. **Synthesis, alpha-Glucosidase Inhibition, Anticancer, DFT and Molecular Docking Investigations of Pyrazole Hydrazone Derivatives**
Karrouchi K., SERT Y., Ansar M., Radi S., El Bali B., Imad R., Alam A., Irshad R., Wajid S., Altaf M.
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- XV. **Synthesis, molecular docking, molecular dynamics and evaluation of Drug-Likeness properties of the fused N-Formyl pyrazoline substituted new dehydroepiandrosterone derivatives**
ÇAPAN İ., Shehu A., SERT Y., ÇELİK İ., EROL M., KOCA İ., Servi S.
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- XVI. **Synthesis, crystal structure, DFT, Hirshfeld surface analysis, energy framework, docking and molecular dynamic simulations of (E)-4-(4-methylbenzyl)-6-styrylpyridazin-3(2H)-one as anticancer agent**
El Kalai F., Çınar E. B., SERT Y., Alhaji Isa M., Lai C., Buba F., Dege N., Benchat N., Karrouchi K.
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- XVII. **Experimental and computational studies of 1,5-diphenyl-pyrazole-3-carboxamide compounds as potential Cannabinoid receptor type 1**
KOCA İ., YAKAN M., ÇAPAN İ., ŞAHİN E., SERT Y.
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- XVIII. **Tautomeric, spectroscopic, electronic and NLO analyses of purpald (4-amino-3-hydrazino-5-mercapto-1,2,4-triazole)**
GÖKCE H., Ceylan S., ÖZTÜRK N., SERT Y.
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- XIX. **Utilization of pyrazole-perimidine hybrids bearing different substituents as corrosion inhibitors for 304 stainless steel in acidic media**
Ugus O., GÜMÜŞ M., SERT Y., KOCA İ., KOCA A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1262, 2022 (SCI-Expanded)
- XX. **Synthesis, DFT study, molecular docking and drug-likeness analysis of the heteroaryl substituted new pregnenolone derivatives**
ÇAPAN İ., SERT Y., Shehu A., KOCA İ., SERVİ S.
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- XXI. **One-step synthesis of novel N1-substituted benzimidazole derivatives: Experimental and theoretical investigations**
Al Garadi W., SERT Y., El Hafi M., El Ibrahim B., Ramli Y., Mague J. T., El Ghayati L., Sebbar N. K., Essassi E. M.
JOURNAL OF HETEROCYCLIC CHEMISTRY, cilt.59, sa.7, ss.1213-1229, 2022 (SCI-Expanded)
- XXII. **Pyrazolyl-Benzoxazinone Derivatives as Dual Hsp Inhibitors in Human Breast Cancer**
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- XXIII. **Acesulfame based Co(II) complex: Synthesis, structural investigations, solvatochromism, Hirshfeld surface analysis and molecular docking studies**
Kansiz S., Tolan A., Azam M., Dege N., Alam M., SERT Y., Al-Resayes S., Icbudak H.
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- XXIV. **Quantum computational, spectroscopic investigations on N-(2-((2-chloro-4,5-dicyanophenyl)amino)ethyl)-4-methylbenzenesulfonamide by DFT/TD-DFT with different solvents, molecular docking and drug-likeness researches**
DEGE N., GÖKCE H., Dogan O. E., ALPASLAN G., Agar T., Muthu S., SERT Y.
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- XXV. **Quantum Computational Investigation of (E)-1-(4-methoxyphenyl)-5-methyl-N'-(3-phenoxybenzylidene)-1H-1,2,3-triazole-4-carbohydrazide**
Gökce H., Şen F., Sert Y., Abdel-Wahab B. F., Kariuki B. M., El-Hiti G. A.
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- XXVI. **Synthesis and inhibition profiles of N-benzyl- and N-allyl aniline derivatives against carbonic anhydrase and acetylcholinesterase - A molecular docking study**
Mahmudov I., Demir Y., SERT Y., Abdullayev Y., Sujayev A., Alwasel S. H., GÜLÇİN İ.
ARABIAN JOURNAL OF CHEMISTRY, cilt.15, sa.3, 2022 (SCI-Expanded)
- XXVII. **Synthesis, crystal structure, Hirshfeld surface analysis, spectral characterizations and quantum computational assessments of 1-hydroxy-3-methyl-11H-pyrido[2,1-b]quinazolin-11-one**
Lahmidi S., SERT Y., ŞEN F., El Hafi M., Ettahiri W., Gokce H., Essassi E. M., Mague J. T., UCUN F.
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- XXVIII. **New tetrazoles compounds incorporating galactose moiety: Synthesis, crystal structure, spectroscopic characterization, Hirshfeld surface analysis, molecular docking studies, DFT calculations and anti-corrosion property anticipation**
Sghyar R., SERT Y., El Ibrahim B., Moussaoui O., Hadrami E. M. E. L., Ben-Tama A., Mague J. T., Talbaoui A., Kheira Sebbar N., Essassi E. M.
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- XXIX. **Discovery of sulfadiazole-pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors**
Gümüş M., Babacan S. N., Demir Y., Sert Y., Koca İ., Gülçin İ.
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- XXX. **Synthesis, antiproliferative activity, molecular docking studies of hydrazone functionalised**

thioparabanic acid and rhodanine analogues

KIBRIZ İ. E., AKKOÇ S., SERT Y., Cay U., ÜNGÖREN Ş. H.

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- XXXI. **Synthesis, spectroscopic characterization, DFT, molecular docking and in vitro antibacterial potential of novel quinoline derivatives**
Bouzian Y., SERT Y., Khalid K., Van Meervelt L., Chkirate K., Mahi L., Ahabchane N. H., Talbaoui A., Essassi E. M.
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- XXXII. **DFT, Molecular Docking and Drug-likeness Analysis: Acrylate molecule bearing perfluorinated pendant unit**
Soykan U., Sert Y., Yildirim G.
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- XXXIII. **A research on structural vibrational, surface characterization of 2-methyl-3-{5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-yl}-4H-pyrido[1,2-a]pyrimidin-4-one hydrate: SCXRD, FT-IR, MEP, Hirshfeld and molecular docking studies**
Lahmidi S., Şen F., Sert Y., Uçun F., Essassi E. M., Maged J. T.
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- XXXIV. **Structural, spectral, electronic, and molecular docking investigations on N,N-dimethyl-2-[(1E)-{(methylsulfanyl)methanethioyl}amino]imino)methyl]aniline**
Bingol Alpaslan Y., SERT Y., Sohtun W. P., Velusamy M., GÖKCE H.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, cilt.68, sa.6, ss.971-988, 2021 (SCI-Expanded)
- XXXV. **5-((1H-imidazol-1-yl)methyl)quinolin-8-ol as potential antiviral SARS-CoV-2 candidate: Synthesis, crystal structure, Hirshfeld surface analysis, DFT and molecular docking studies**
Douche D., SERT Y., Brandan S. A., Kawther A. A., Bilmez B., DEGE N., Louzi A. E., Bougrin K., Karrouchi K., Himmi B.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1232, 2021 (SCI-Expanded)
- XXXVI. **New alkyl (cyclohexyl) 2-oxo-1-(prop-2-yn-1-yl)-1, 2-dihydroquinoline-4-carboxylates: Synthesis, crystal structure, spectroscopic characterization, hirshfeld surface analysis, molecular docking studies and DFT calculations**
Hayani S., SERT Y., Filali Y., Benhiba F., Chahdi F. O., Laraqui F., Mague J. T., El Ibrahim B., Sebbar N. K., Rodi Y. K., et al.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1227, 2021 (SCI-Expanded)
- XXXVII. **Synthesis, structural, molecular docking and spectroscopic studies of (E)-N'-(4-methoxybenzylidene)-5-methyl-1H-pyrazole-3-carbohydrazide**
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- XXXVIII. **Syntheses of novel 1,5-benzodiazepine derivatives: Crystal structures, spectroscopic characterizations, Hirshfeld surface analyses, molecular docking studies, DFT calculations, corrosion inhibition anticipation, and antibacterial activities**
El Ghayati L., SERT Y., Sebbar N. K., Ramli Y., Ahabchane N. H., Talbaoui A., Mague J. T., El Ibrahim B., Taha M. L., Essassi E. M., et al.
JOURNAL OF HETEROCYCLIC CHEMISTRY, cilt.58, sa.1, ss.270-289, 2021 (SCI-Expanded)
- XXXIX. **Synthesis, X-ray structure, vibrational spectroscopy, DFT, biological evaluation and molecular docking studies of (E)-N'-(4-(dimethylamino)benzylidene)-5-methyl-1H-pyrazole-3-carbohydrazide**
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- XL. **Synthesis, spectrophotometric and DFT studies of new Triazole Schiff bases as selective naked-eye sensors for acetate anion**
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- XLI. **Corrosion inhibition of carbon steel in 1 M H₂SO₄ using new Azo Schiff compound: Electrochemical, gravimetric, adsorption, surface and DFT studies**

- Abdulridha A. A., Allah M. A. A. H., Makki S. Q., SERT Y., Salman H. E., Balakit A. A.
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- XLII. **Synthesis, crystal structure, Hirshfeld surface analysis, spectral characterization, and quantum computational evaluation of (E)-2-(((4-bromophenyl)imino)methyl)-6-methylphenol**
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- XLIII. **DFT, molecular docking and experimental FT-IR, laser-Raman, NMR and UV investigations on a potential anticancer agent containing triazole ring system**
SERT Y., El-Hiti G. A., GÖKCE H., UCUN F., Abdel-Wahab B. F., Kariuki B. M.
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- XLIV. **Synthesis, spectroscopic characterization, crystal structure, DFT, molecular docking and in vitro antibacterial potential of novel quinoline derivatives**
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- XLV. **Spectral, DFT/B3LYP and molecular docking analyses on ethyl 2-(5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7-yl)pent-4-enoate**
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- XLVI. **A new series of sulfa drugs containing pyrazolyl acylthiourea moiety: Synthesis, experimental and theoretical spectral characterization and molecular docking studies**
KOCA İ., Yigitcan S., GÜMÜŞ M., GÖKCE H., SERT Y.
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- XLVII. **Hirshfeld Surface analysis, spectroscopic, biological studies and molecular docking of (4E)-4-((naphthalen-2-yl)methyleneamino)-1,2-dihydro-2,3-dimethyl-1-phenylpyrazol-5-one**
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- XLVIII. **Syntheses of N-substituted benzimidazolone derivatives: DFT calculations, Hirshfeld surface analysis, molecular docking studies and antibacterial activities**
Saber A., Sebbar N. K., SERT Y., Alzaqri N., HÖKELEK T., El Ghayati L., Talbaoui A., Mague J. T., Baba Y. F., Urrutigoity M., et al.
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- XLIX. **Theoretical and experimental spectroscopic studies, XPS analysis, dimer interaction energies and molecular docking study of 5-(adamantan-1-yl)-N-methyl-1,3,4-thiadiazol-2-amine**
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- L. **Molecular docking, Hirshfeld surface analysis and spectroscopic investigations of 1-(adamantan-1-yl)-3-(4-fluorophenyl)thiourea: A potential bioactive agent**
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- LI. **Hirshfeld Surface, Molecular Docking Study, Spectroscopic Characterization and NLO Profile of 2-Methoxy-4,6-Diphenylnicotinonitrile**
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- LII. **Combined experimental and theoretical investigations on a half-sandwich organometallic Os(II) complex**
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- LIII. **Synthesis, crystal structure, spectroscopic characterization, Hirshfeld surface analysis, molecular docking studies and DFT calculations, and antioxidant activity of 2-oxo-1,2-dihydroquinoline-4-carboxylate derivatives**
Filali Baba Y., SERT Y., Kandri Rodi Y., Hayani S., Mague J. T., Prim D., Marrot J., Ouazzani Chandi F., Kheira Sebbar N.,

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- LIV. **Molecular docking and vibrational spectroscopy studies of (E)-N'-hydroxy-1,3-diphenyl-4,5-dihydro-1H-pyrazole-5-carboximidamide**
SERT Y., GÖKCE H., Chandra C., Mahendra M., Srikantamurthy N., ÇIRAK Ç.
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- LV. **Synthesis, Experimental and Theoretical Characterization of Novel Pyrimidine-5-Carboxamides**
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- LVI. **Molecular Structure, DFT, Vibrational Spectra with Fluorescence Effect, Hirshfeld Surface, Docking Simulation and Antioxidant Activity of Thiazole Derivative**
Khamees H. A., Mohammed Y. H. E., Swamynayaka A., Al-Ostoot F. H., SERT Y., Alghamdi S., Khanum S. A., Madegowda M.
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- LVII. **Structural, Spectroscopic, Electronic and Molecular Docking Studies on (11R,12 S)-16-Aminotetracyclo[6.6.2.0(2,7).0(9,14)]hexadeca-2(7),3,5,9(14),10,12-hexaen-15-ol**
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