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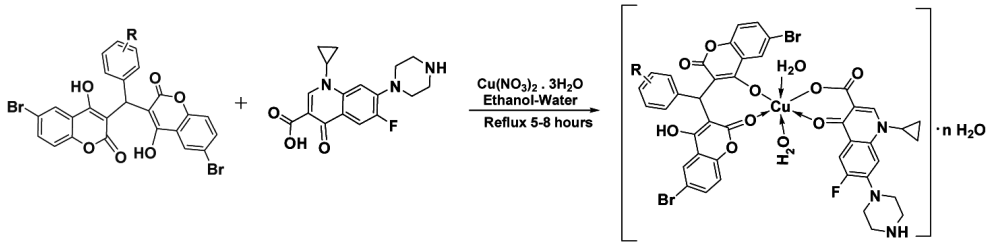
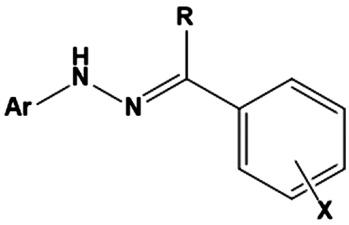


Nikita Prajapati, Poonam Gautam*, Shalini Chaturvedi, Deepika Gautam & Nitya Chawda

Department of Chemistry, Silver Oak Institute of Science, Silver Oak University, Ahmedabad 382 481, , Gujarat, India

197 **Synthesis, spectral studies and molecular docking analysis of some aryl hydrazide derivatives**

Four series aryl hydrazides have been synthesized by potassium hydrogen phthalate-assisted condensation of hydrazine and substituted benzaldehydes under stirring conditions. The effect of solvents on the yield has been studied. The spectral frequencies have been utilized for the study of spectral correlations. The protein-ligand interaction energy of these hydrazideshas been investigated using molecular docking analysis.



R Arulkumaran, K Ranganathan, P Christhuraj, G Thirunarayanan, I Muthuvel, V Mala, Amanullah Fatehmulla, Krishnakumar Balu, Young-Ho Ahn* & V Manikandan*

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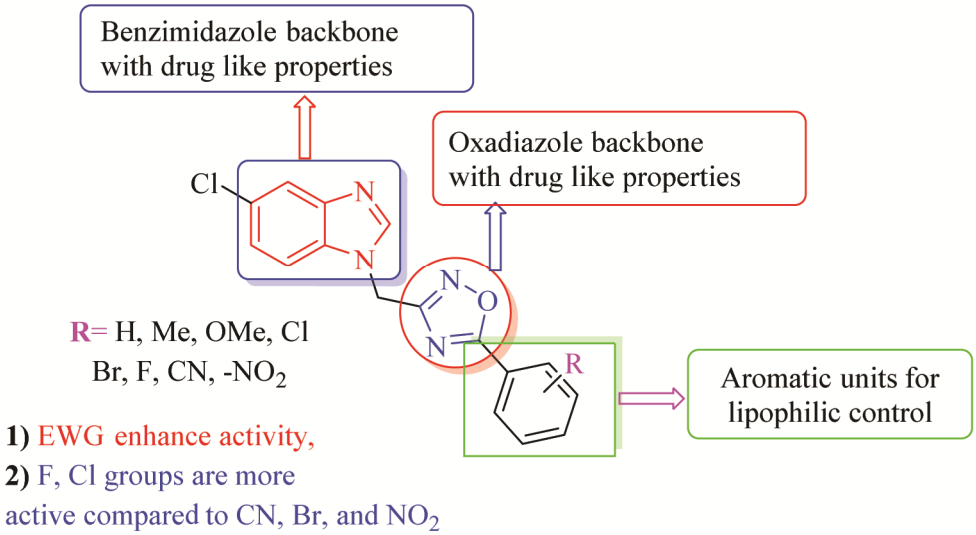
213 Two step synthesis, characterization and anti-bacterial activity of series of 3-((5-chloro-1*H*-benzo[d]imidazol-1-yl)methyl)-1,2,4-oxadiazoles



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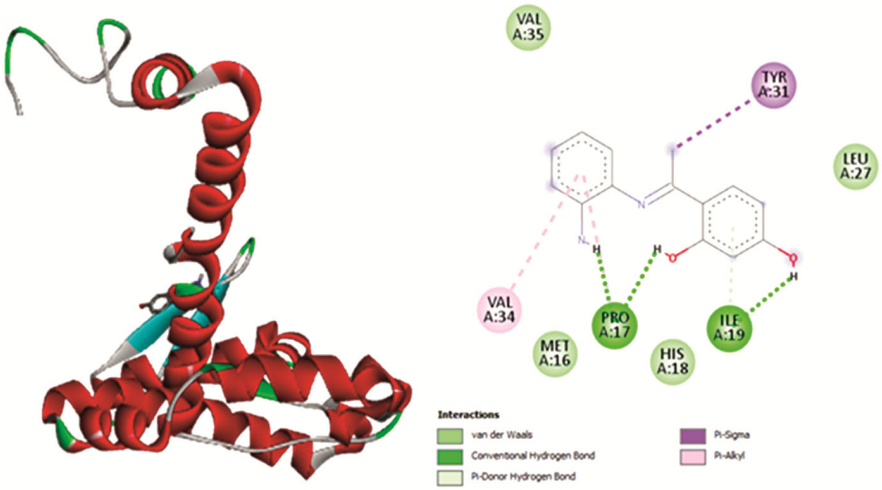
219 Antibacterial, antifungal, antioxidant, and molecular docking studies of (E)-4-(1-(2-aminophenylimino)-ethyl)benzene-1,3-diol



Renuka Sidhanty, Soumyadeep Roy Chowdhury, Alekha Kumar Sutar* & Tungabidya Maharana

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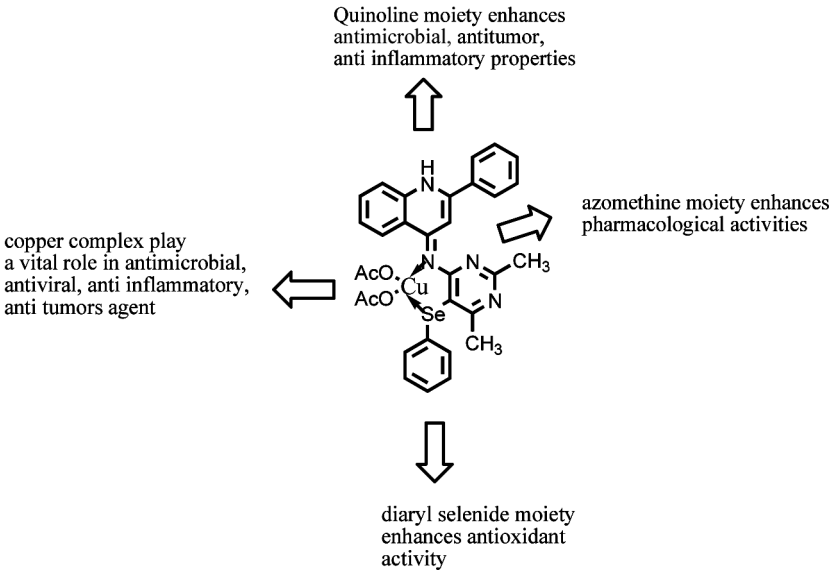
227 Copper (II) complexes supported by phenyl selanyl ligands: DNA binding and molecular docking studies



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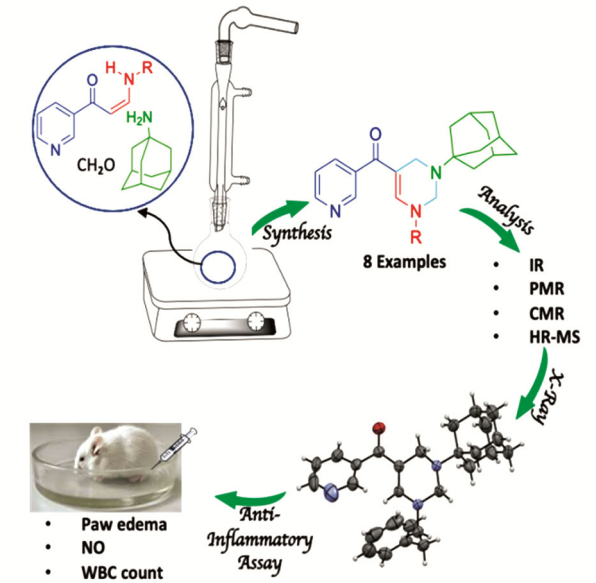
236 Design, synthesis, and structure elucidation of novel 3-aralkyl/arylamino-1-pyridin-3-ylpropenones and 3-adamantyl-5-nicotinoyl-1,2,3,4-tetrahydropyrimidine hybrids with promising anti-inflammatory activities



Facile, Novel Molecular Hybrids, Potential Anti-inflammatory Activity

Utpalparna Kalita, Ariyana Sabana Islam, Ibadahun Kharmalki, Ritisha Pariong, Tara Rangrime A Sangma, Labet Bankynmaw Marpna, Shunan Kaping*, Arnab Sen & Jai Narain Vishwakarma*

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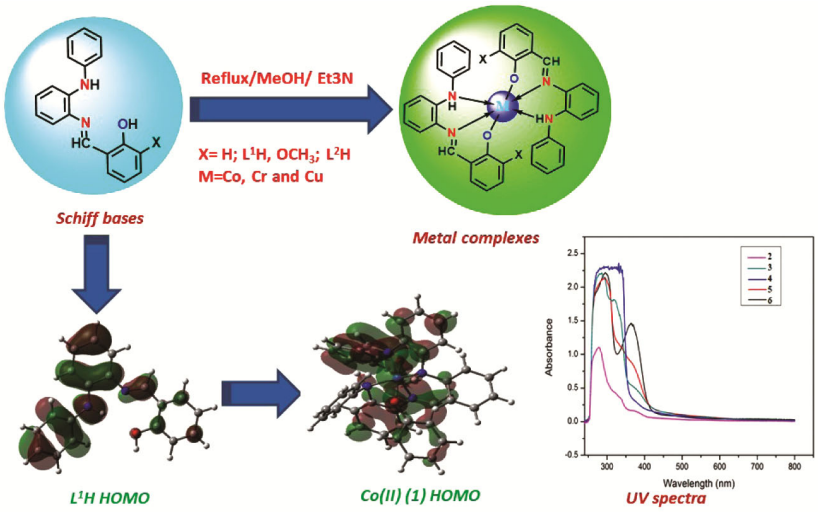
246 Cr(II), Co(II) and Cu(II) complexes with 2-aminodiphenylamine derived Schiff base ligand: Synthesis, characterization, DFT and biological insights



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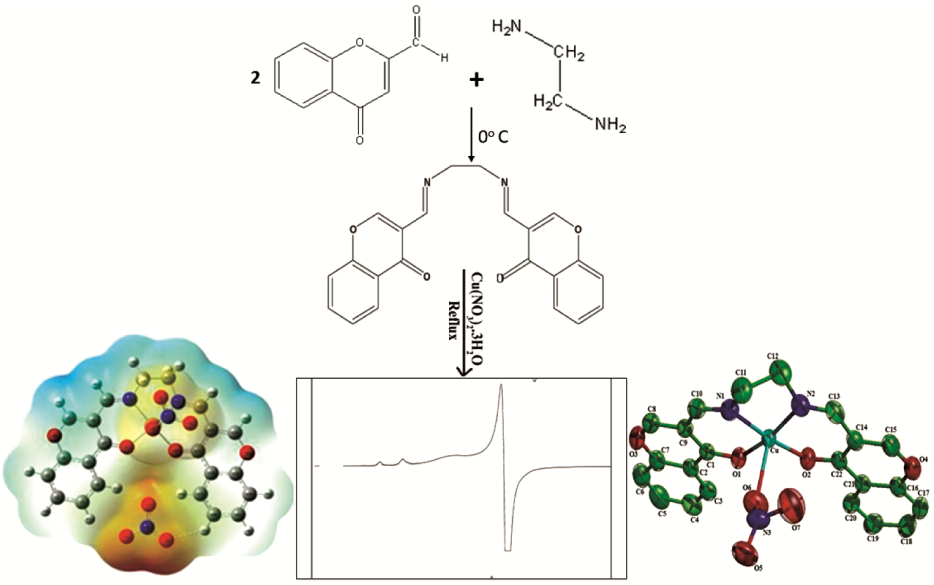
255 Coordination behaviour and DFT studies of copper(II) complexes of a novel chromone derived tetradentate Schiff base



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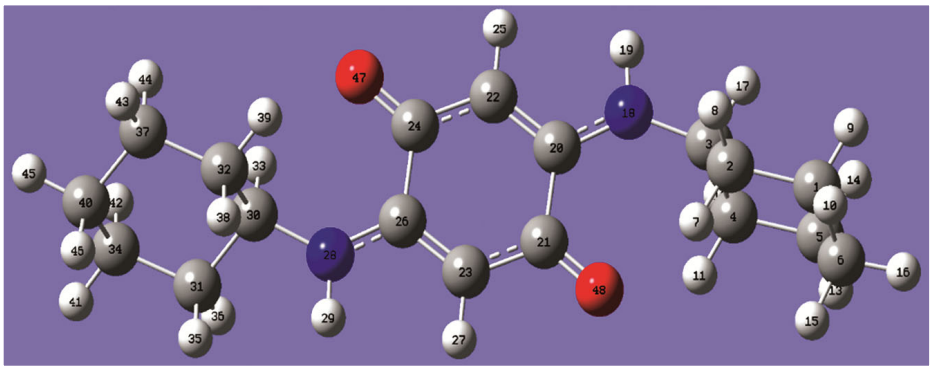
264 **Density functional theoretical study and DNA cleavage activity of 2,5-bis (cyclohexylamino)cyclo-hexa-2,5-diene-1,4-dione**



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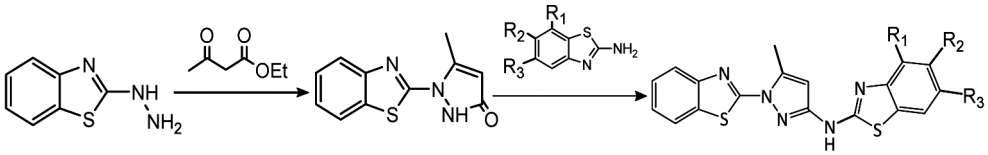
270 Synthesis, characterization and antimicrobial study of substituted N-(1-(benzothiazol-2-yl)-5-methyl-1*H*-pyrazol-3-yl) benzothiazol-2-amine derivatives



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275 **Additions and Corrections**

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