

European Journal of Chemistry

An International Open Access Journal

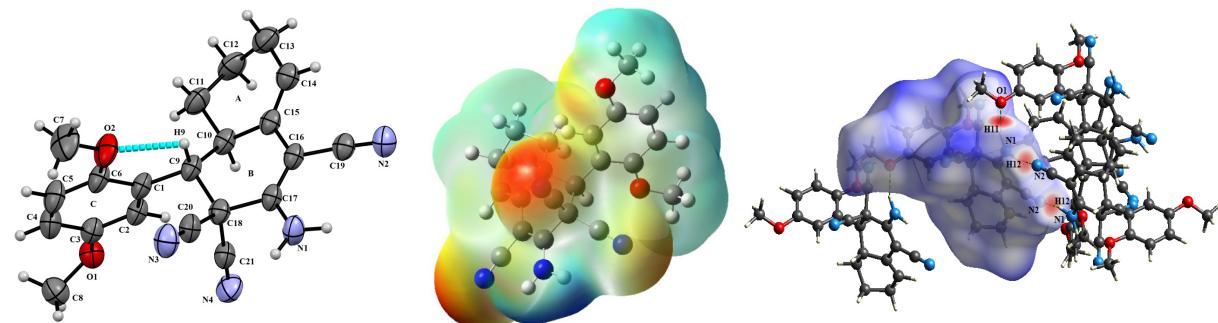
Graphical Contents

Volume 13, Issue 2, 30 June 2022

European Journal of Chemistry 13 (2) (2022) 135-144

Synthesis, X-ray crystal structure, DFT, Hirshfeld surfaces, energy frameworks, and molecular docking analysis of a bicyclic ortho-aminocarbonitrile derivative

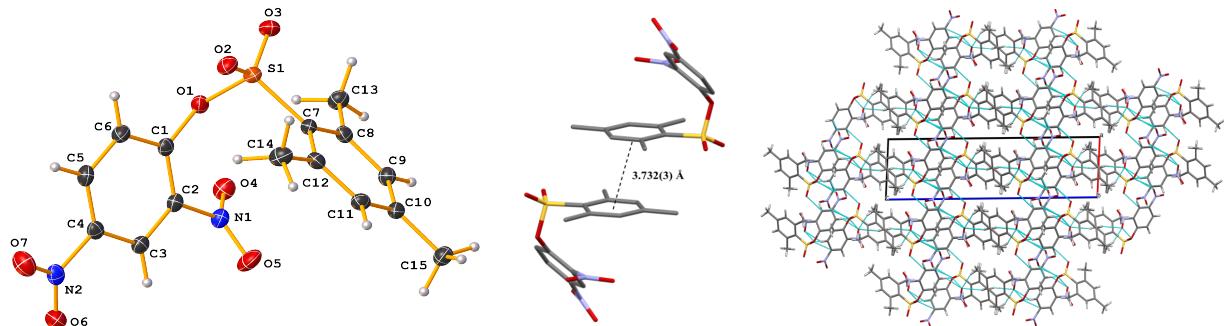
Ruchika Sharma, Sandeep Ashok Sankpal, Pradeep Jangonda Patil, Saminathan Murugavel, Sonachalam Sundramoorthy and Rajni Kant



European Journal of Chemistry 13 (2) (2022) 145-150

Crystal structure of 2,4-dinitrophenyl 2,4,6-trimethylbenzenesulfonate

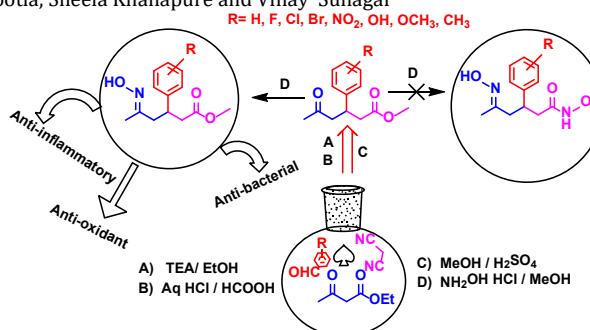
Brock Anton Stenfors and Felix Nyungem Ngassa



European Journal of Chemistry 13 (2) (2022) 151-161

Synthesis, molecular docking, and biological evaluation of methyl-5-(hydroxyimino)-3-(aryl-substituted)hexanoate derivatives

Parashuram Gudimani, Samundeeswari Lokesh Shastri, Varsha Pawar, Nagashree Uday Hebbar, Lokesh Anand Shastri, Shrinvias Joshi, Shyam Kumar Vootla, Sheela Khanapure and Vinay Sunagar



European Journal of Chemistry

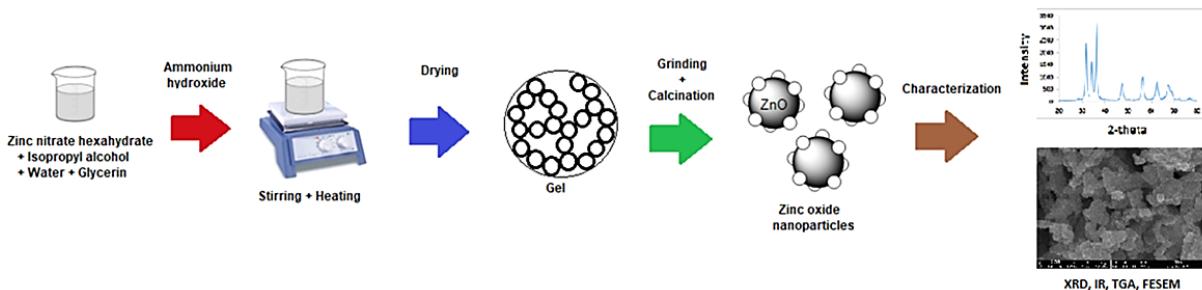
ISSN 2153-2249 (Print) / ISSN 2153-2257 (Online) – Copyright © 2022 Atlanta Publishing House LLC – Printed in the USA.
This work is published and licensed by Atlanta Publishing House LLC – CC BY NC – Some Rights Reserved.

<https://dx.doi.org/10.5155/eurjchem.13.2.iii-vi.2291>

European Journal of Chemistry 13 (2) (2022) 162-167

Effect of calcination temperature on the structure and morphology of zinc oxide nanoparticles synthesized by base-catalyzed aqueous sol-gel process

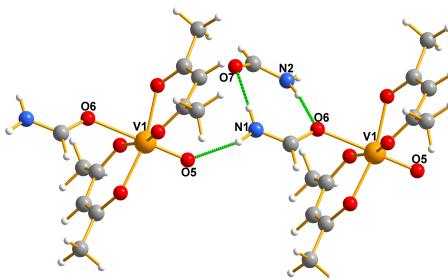
Samreen Zahra, Saboora Qaisar, Asma Sheikh, Hamim Bukhari and Chaudhry Athar Amin



European Journal of Chemistry 13 (2) (2022) 168-171

Vanadyl(acetylacetonate)₂ mediated hydrolytic splitting of 1,3,5-triazine in a solution of toluene at 130 °C: The crystal structure of its axial formamide adduct

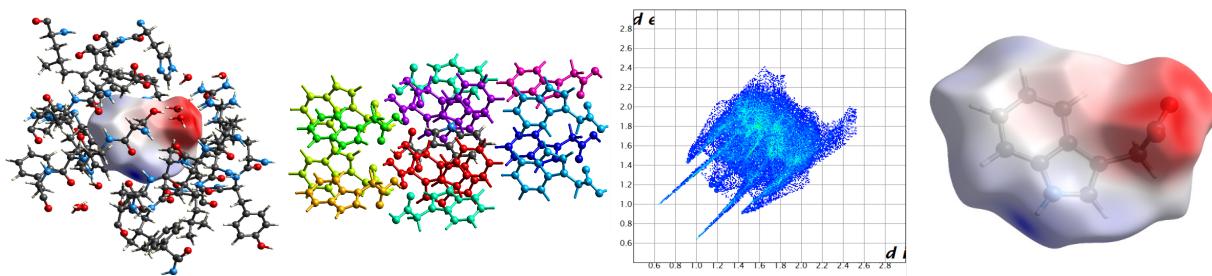
Evrim Arslan, Ivan Bernal and Roger Lalancette



European Journal of Chemistry 13 (2) (2022) 172-179

Describing auxin solid-state intermolecular interactions using contact descriptors, shape properties, molecular fingerprint, and interaction energy: Comparison of pure auxin crystal and auxin-TIR1 co-crystal

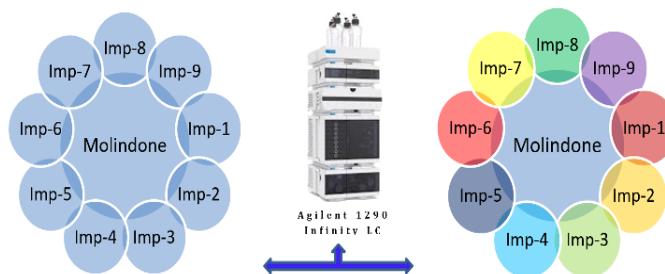
Kodjo Djidjolé Etsè, Koffi Sénam Etsè and Marie-Luce Akossiwoa Quashie



European Journal of Chemistry 13 (2) (2022) 180-185

Ultra-performance liquid chromatography determination of related compounds of molindone in drug substances

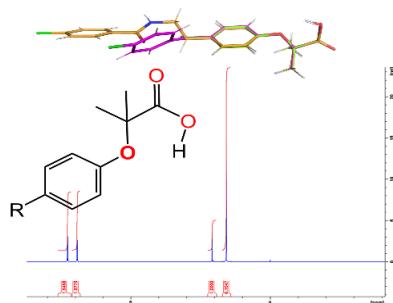
Balaji Nagarajan, Gunasekar Manoharan, Ganapathy Narayanan Shanmugam, Nataraj Palaniyappan and Abhinav Yarragunta



European Journal of Chemistry 13 (2) (2022) 186-195

Molecular dynamics of fibric acids

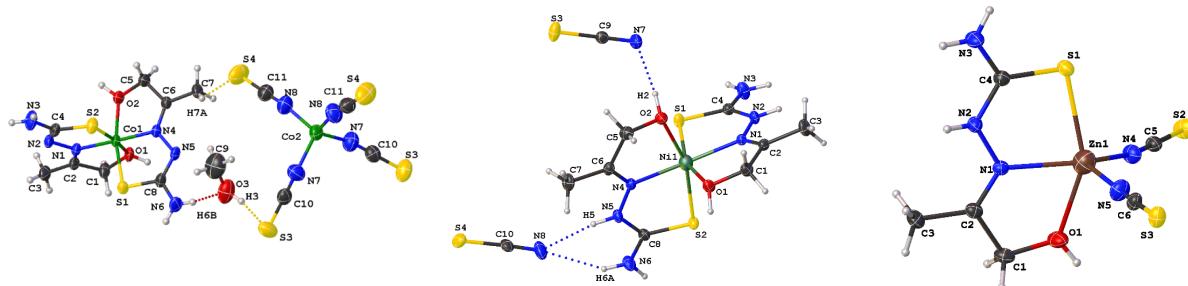
Chad Miller, Steven Schildcrout, Howard Mettee, and Ganesaratnam Balendiran



European Journal of Chemistry 13 (2) (2022) 196-205

Crystal structures of bis[1-(1-hydroxypropan-2-ylidene)thiosemicarbazine- κ^3S,N,O]cobalt(III)-tetra(thiocyanato- κN) cobalt(II) methanol solvate, bis{1-(1-hydroxypropan-2-ylidene)thiosemicarbazine- κ^3S,N,O }nickel(II) bis(thiocyanate) and (1-(1-hydroxypropan-2-ylidene)thiosemicarbazine- κ^3S,N,O)bis(thiocyanato- κN)zinc(II)

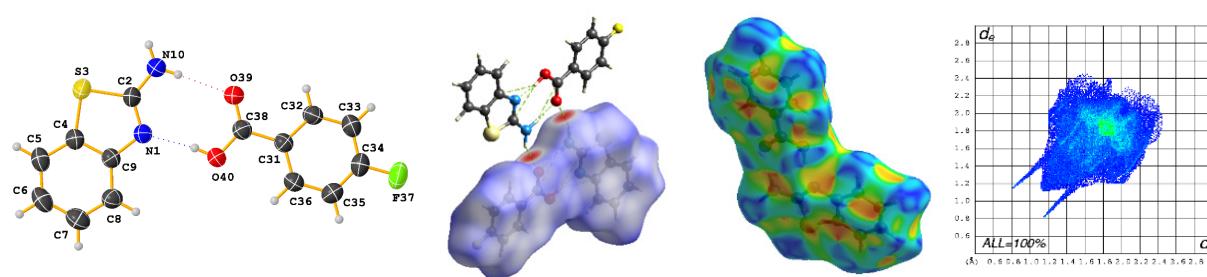
Cheikh Ndoye, Gregory Excoffier, Gorgui Awa Seck, Ousmane Diouf, Ibrahima Elhadji Thiam, Mamadou Sidibé and Mohamed Gaye



European Journal of Chemistry 13 (2) (2022) 206-213

Synthesis, characterization and Hirshfeld surface analysis of 2-aminobenzothiazol with 4-fluorobenzoic acid co-crystal

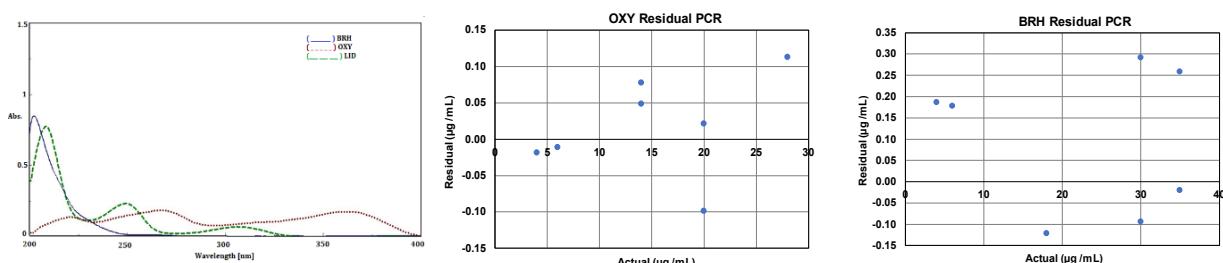
Bubun Banerjee, Varun Sharma, Aditi Sharma, Gurpreet Kaur and Vivek Kumar Gupta



European Journal of Chemistry 13 (2) (2022) 214-223

Critical assessment of smart calculation-based spectroscopy versus chemometric-assisted methods: Application to combined antibiotic formulations

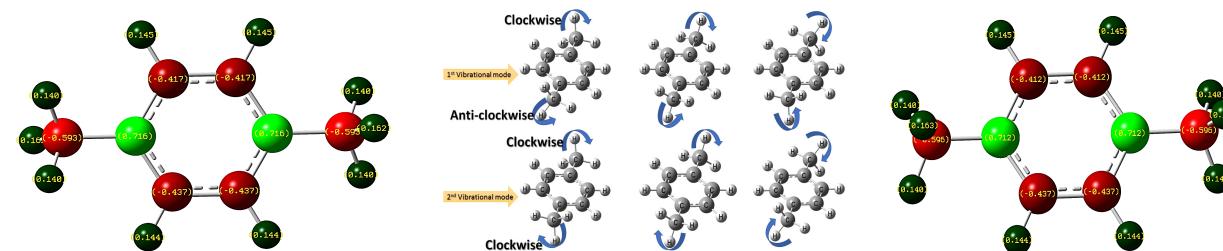
Hind Ali Abdullatif, Adel Magdy Michael, Yosra Ahmed Trabik and Miriam Farid Ayad



European Journal of Chemistry 13 (2) (2022) 224-229

A theoretical density functional theory calculation-based analysis of conformers of *p*-xylene

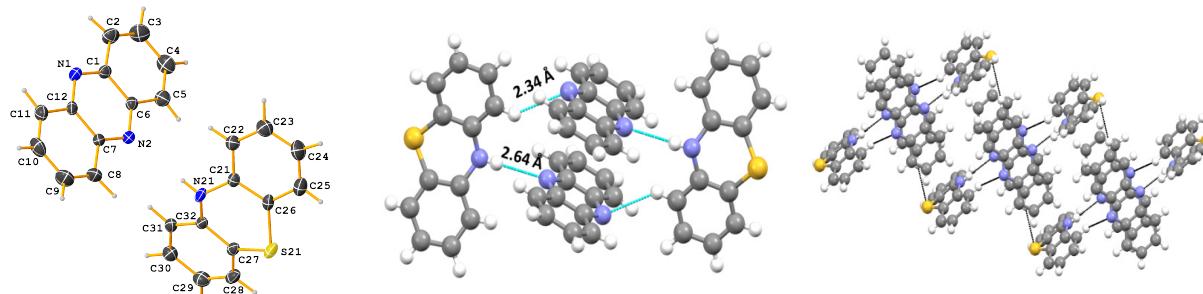
Mohammad Suhail



European Journal of Chemistry 13 (2) (2022) 230-233

Phenazine and 10*H*-phenothiazine cocrystal stabilized by N-H···N and C-H···S hydrogen bonds

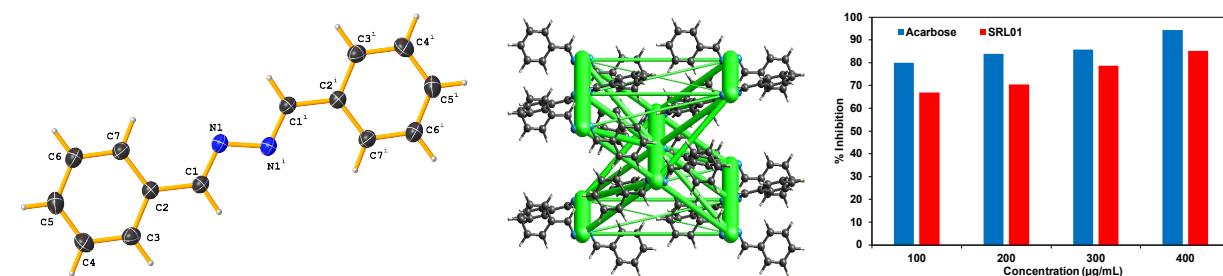
Tahir Mehmood, Bhumiben Chandubhai Patel and Jayarama Prakasha Reddy



European Journal of Chemistry 13 (2) (2022) 234-240

Synthesis, crystal structure, and antidiabetic property of hydrazine functionalized Schiff base: 1,2-Di(benzylidene)hydrazine

Nilankar Diyali, Meena Chettri, Abhranil De and Bhaskar Biswas



European Journal of Chemistry 13 (2) (2022) 241-252

Synthesis, reactions, and applications of chalcones: A review

Nesrin Mahmoud Morsy and Ashraf Sayed Hassan

