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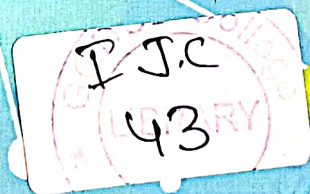
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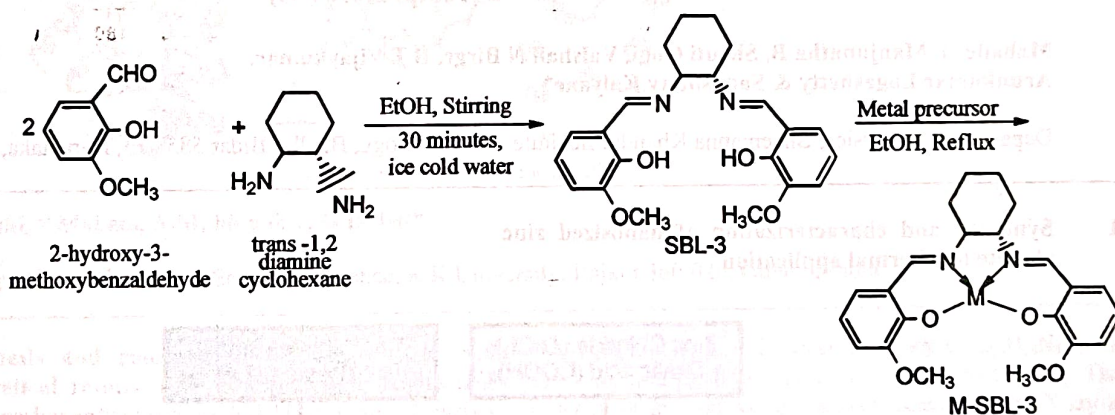
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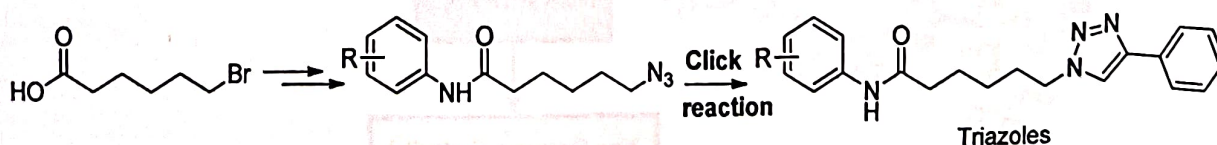
- 761 **Synthesis, spectral and biological evaluation of *in vitro* antimicrobial activity and molecular docking studies of Schiff base ligand 1,2-cyclohexadiene/*o*-vanillin and its transition metal complexes**



J Priya*, S Manimalathi & D Madheswari

Government Arts College for Women, Salem 636 008, Tamil Nadu, India

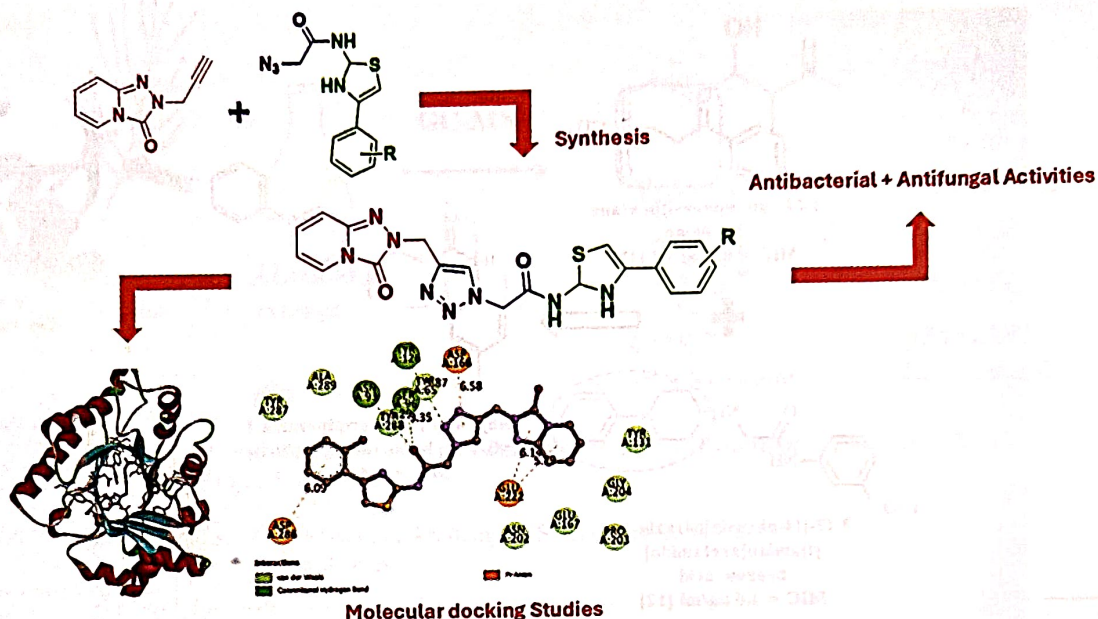
- 768 **Design and synthesis of novel triazole based small molecules mimicking HDACi as new modular drugs candidate against Omicron and future variants of Sars-Cov-2** Synthesis of novel triazole based small molecules using Click reaction and docking studies against Covid-19 main protease and Omicron protein are reported.



Sourav Pakrashy, Sandip Paul, Sourav Misra, Diya Sutradhar, Pawan Kumar Maurya & Anjoy Majhi*

Department of Chemistry, Presidency University, 86/1 College Street, Kolkata 700 073, India

- 787 Synthesis, *in vitro* antibacterial, antifungal biological activities along with *in silico* molecular docking studies of substituted 2-[4-(3-oxo-[1,2,4] triazolo[4,3-a] pyridin-2-ylmethyl)-[1,2,3]triazol-1-yl]-N-(4-phenyl- thiazol-2-yl)-acetamide

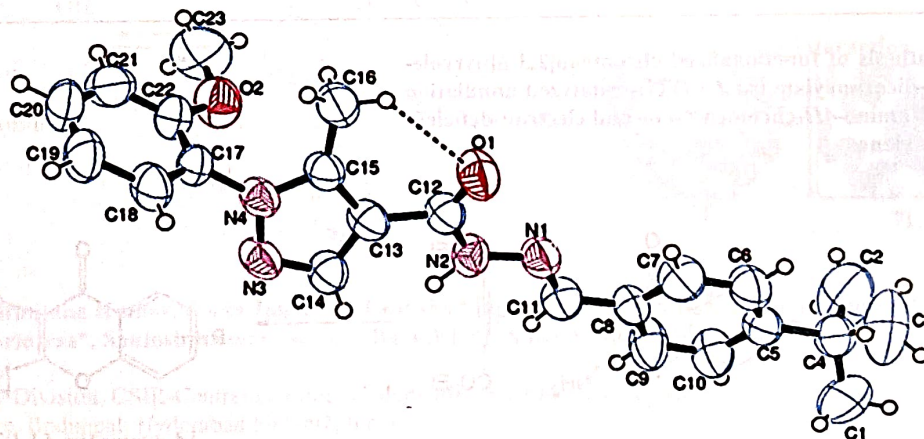


K Joshi, S Maheta, A Mahida & G G Dubal*

Department of Chemistry, School of Science, R K University, Rajkot 360 020, Gujarat, India

- 799 Synthesis and comparison of experimental and theoretical results of N'-(4-(*tert*-butyl)benzylidene)-1-(2-methoxyphenyl)-5-methyl-1H-pyrazole-4-carbohydrazide

In the present work is described the study of $C_{23}H_{26}N_4O_2$ molecule. The compound has been characterized by IR spectroscopy. The crystal structure of the compound has been determined by X-ray analysis. FMO, MEP and Hirshfeld surface analysis for the compound have been studied. NLO properties have also been investigated in this study.

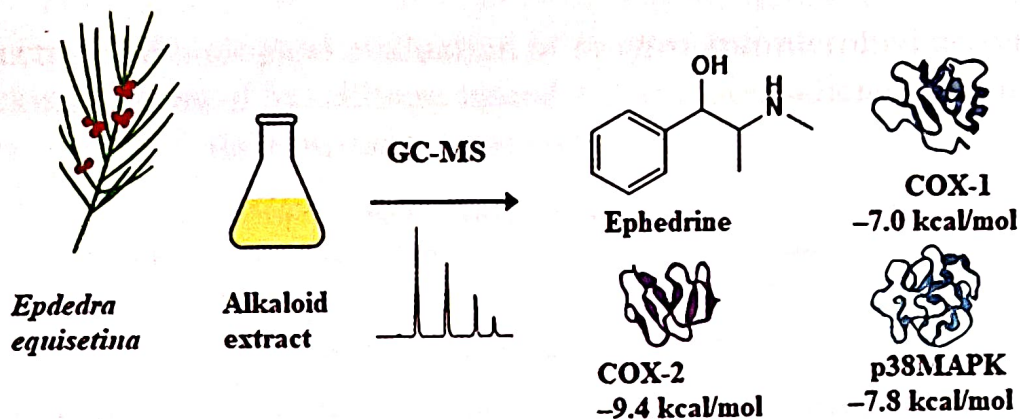


$C_{23}H_{26}N_4O_2$ molecule

Şhriman Atalay* & Aliye Gediz Ertürk

Department of Physics, Faculty of Science and Arts, Ondokuz Mayıs University, 55200 - Atakum - Samsun, Turkey

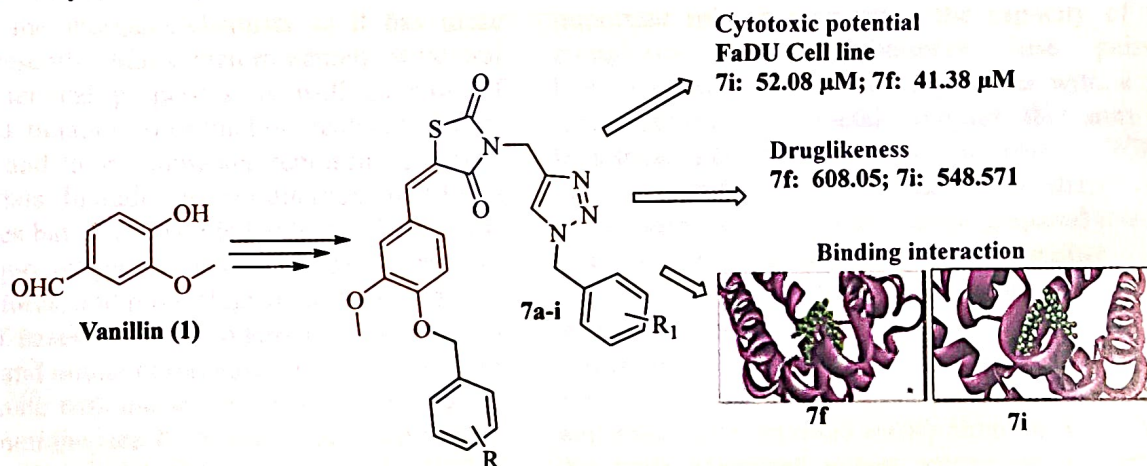
- 829 GC-MS analysis of the alkaloid extract of *Epedra equisetina* and *in silico* anti-inflammatory activity of its alkaloids



Farukh S Sharopov*, Abduqodir Qobilzoda, Sodik Numonov, Rahmon O Rahmonov, Mahinur Bakri, Muhammadiso Boboev & Haji Akber Aisa

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Ayni str. 299/2, 734063, Dushanbe, Tajikistan

- 836 Synthesis, anticancer evaluation, and molecular docking studies of vanillin-2,4-thiazolidinedione-triazole hybrid analogues



B Ravali, A Niranjana Kumar, Pooja Jagdale, Akanksha Singh, Ankush Bansode, J Kotesh Kumar*, K V N Satya Srinivas*, Santosh Kumar Guru, B Balakishan, Abha Meena & B Venkatesh

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- 846 Retraction Notice

Authors for correspondence are indicated by (*)