

A Novel Synthesis of 2-[2-(2,6-disubstitutedanilino) Phenyl] Acetic Acid and 1-[bis (4-substitutedphenyl) Methyl]-1,2,4-triazole

M.S. Lunge¹, P.V. Raut² and S.S. Padhen³

¹ Jagadamba Mahavidyalaya, Achalpur (City), Dist-Amravati (M.S.)

² Smt. Radhabai Sarda Arts, Commerce and Science College, Anjangaon Surji, Dist-Amravati (M.S.)

³ Rajarshee Shahu Science College, Chandur Railway, Dist-Amravati (M.S.)

Mail ID – mslunge23@gmail.com, pavanraut523@gmail.com, sangha0604@gmail.com.

Thiocarbamido, Thioamido and Triazino group containing heterocycles and heteroacycles created their own identity and importance in pharmaceutical, medicinal, agricultural and drug sciences. Thiocarbamido heterocyclic compounds showed noticeable and remarkable applications in industrial, pharmaceutical,

medicinal and drug chemistry. Hence taking all these facts into consideration it was thought interesting to investigate the interactions of 2-[2-(2,6-dichloroanilino)phenyl]acetic acid and 1-[Bis (4-cyanophenyl) methyl]-1,2,4-triazole with thiocarbamide (2a) and phenyl thiourea (2b) in acetone-ethanol medium to isolate 2-[2-(2,6-dithiocarbamidoanilino)phenyl] acetic acid, 2-[2-(2,6-diphenylthiocarbamidoanilino)phenyl] acetic acid, 1-[Bis (4-iminothiocarbamidophenyl)methyl]-1,2,4-triazole and 1-[Bis (4-iminophenylthiocarbamidophenyl)methyl]-1,2,4-triazole respectively. The synthesized compounds were characterized on the basis of conventional and elemental analysis, chemical characteristics and through IR and NMR spectral studies.





Commemorating International Year of Basic Sciences for Sustainable Development
Commemorating Four Decade Celebration of University
Commemorating Azadi Ka Amrit Mahotsav

&

On the Eve of Superannuation of Professor A. S. Aswar

NATIONAL CONFERENCE ON
CURRENT TRENDS IN CHEMICAL SCIENCES

(NCCTCS - 2022)

JUNE 28 & 29, 2022

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. Pavan V. Raut
of Smt. Radhabai Saxda ACS, Anjangaon ^{susji} has actively participated and presented paper (Oral/Poster)
entitled A novel synthesis of 1,2,4-triazole in the National
Conference on Current Trends in Chemical Sciences (NCCTCS-2022) organized by Department of
Chemistry, Sant Gadge Baba Amravati University, Amravati, in Collaboration with Association of
Chemistry Teachers (ACT), Mumbai & Indian Chemical Society, Kolkata during June 28 & 29, 2022.

Dr. P. R. Mandlik
Organizing Secretary

Dr. P. G. Rohankar
Working Chairman

Dr. S. G. Bhadange
Chairman

Dr. J. M. Barabde
Convener

