

CHEMISTRY AND EURO GREEN CHEMISTRY

May 22-23, 2019 | Rome, Italy

Sandhya Jain et al., J Ind Environ Chem 2019, Volume 3 | DOI: 10.4066/2591-7331-C2-011

SYNTHESIS AND BIOLOGICAL EVALUATION OF NEW TRIAZOLE CONTAINING CYPROHEPTADINE DERIVATIVES

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Mental depression is a major affective disorder, common in the general population associated with depletion of brain monoamines, 5-HT and NA. Anti-depressant therapy implies therapy directed against major depressive disorder and is centred on the group of chemical agent: MAO-inhibitors; Monoamine reuptake inhibitors; Auto-receptor desensitizer and Antagonist. Earlier known the classes of the tricyclic anti-depressants are termed as non-selective as they also interact with H₁, α ₁ and muscarinic receptors to variable extent and other one inhibit active uptake of biogenic amines NA and 5-HT into their respective neurons and thus potentiate them. In author's research work they select the cyproheptadine because it structurally resembles with the TCA. The ring nitrogen is replaced with a carbon; the ethylamine chain is replaced by Methyl piperidine replacement of basic group with neutral functionality preserves anti-histamine activity.

BIOGRAPHY

Sandhya Jain is currently working in ITM School of Pharmacy as an Assistant Professor, Gujarat, India. She has eight years of experience in various fields. She worked in IPR division in Delhi especially in Patent Filing, Apart from this she is pursuing PhD and guiding two students in post graduate level and more than ten students in bachelor degree. She has life time membership for APTI and she is a Registered Pharmacist, during the Post-Graduation Degree she received the scholarship from AICTE, Delhi. She also did her MBA and served as an Administrator in reputed organizations, with aim to provide better education to the student so they fulfil their dream and make the world better place for humanity.

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