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1,3,4-Oxadiazole Derivatives: Synthesis, Characterization and Anti-Inflammatory Studies

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Abstract : In the present study, a series of 2-({5-[4-(morpholin-4-yl) phenyl]-1,3,4-oxadiazol-2-yl}amino) acetohydrazide derivatives have been synthesized by multistep reaction scheme. Morpholine and p-chlorobenzonitrile was used as the starting material. The structures of all synthesized compounds are characterized and confirmed by FT-IR, proton NMR and mass spectral studies with the intention of developing the novel biologically active compounds. All title synthetic compounds were screened for their invitro and invivo anti-inflammatory.

Keywords : 1,3,4-oxadiazole, Morpholine and anti-inflammatory.

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