

Benzene Sulphonamide based 2-Pyrazolines as anti-inflammatory agents

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2-Pyrazolines have been reported to have pharmacological properties including, antimicrobial, human acyl-CoA: cholesterol acyltransferase inhibitor and low-density lipoprotein antioxidant. Some of these compounds also possess anti-inflammatory, antidiabetic, antitubercular and analgesic properties. The benzenesulfonamide moiety has exhibited its importance by its presence in a large variety of pharmaceuticals covering a wide range of biological activities. Since compounds containing the benzenesulfonamide moiety are endowed with wide range of biological activities, it was thought worthwhile to synthesize new compounds pyrazoline. Different 2-pyrazolines were successfully synthesised by the condensation of 4-hydrazinobenzenesulfonamide hydrochloride with various chalcones refluxing in ethanol without catalyst for 24 hrs. These compounds were tested for anti-inflammatory action.