INSTRUMENTATION AND METHODOLOGY

Melting Point

Melting points are in degree Celsius. These were determined in open capillary tubes and are uncorrected.

Infrared Spectra

The IR spectra were recorded in Perkin-Elmer Kbrun Unicam FTIR and Perkin-Elmer FT-IR Spectrum 1000 Spectrophotometers. Wave numbers are expressed in cm⁻¹.

NMR Spectra

The ¹H NMR spectra were recorded on JEOL MODEL GSX 270 FT NMR spectrophotometer and NMR 300 MHz Supercon Machine, using CDCl₃ or DMSO-d₆ as solvent and TMS as internal standard reference. Chemical shifts are expressed as δ values [ppm].

Mass spectra

The Mass Spectra were recorded on Brucher Apex-II Mass Spectrometer.

Purity

Purity of compounds was checked by TLC.

Analysis

Calculated percentage of C, H and N are given in parenthesis.

Biological activity and Pharmacological Screening

Antifertility activity, antimicrobial, anthelmintic, anti-inflammatory, analgesic and diuretic activities were carried out at National Pharmacy College, Shimoga. Antipyretic and anticonvulsant activities were carried out at TMAE Society’s SCS college of Pharmacy, Harapanahalli.