

INSTRUMENTATION AND METHODOLOGY

Melting points :

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

Infrared Spectra :

The IR spectra were recorded on Shimadzu FTIR spectrum 8000 Spectrophotometer. Wave numbers are expressed in cm^{-1} .

NMR Spectra :

The NMR spectra (^1H and ^{13}C) were recorded on Bruker-40 MHz Spectrophotometer, using CDCl_3 and DMSO-d_6 as solvent and TMS as internal standard reference. Chemical shifts are expressed as δ values [in ppm].

Mass Spectra :

The mass spectra were recorded on Brucker Apex-II mass Spectrometer and Shimadzu LC-MS Instrument.

Purity :

Purity of compounds was checked by TLC.

Analysis :

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