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 ¹³C) were recorded on Bruker-40 MHz Spectrophotometer, using CDCl₃ and DMSO-d₆ 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.