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 Schimadzu FTIR spectrum 8000 spectrophotometer. Wave numbers are expressed in cm$^{-1}$.

NMR spectra:

The NMR spectra ($^1$H and $^{13}$C) were recorded on Bruker-40 MHz spectrophotometer, using CDCl$_3$ and DMSO-d6 as solvent and TMS as internal standard reference. Chemical shifts are expressed as $\delta$ values [in ppm].

Mass Spectra:

The mass spectra were recorded on HRMS.

Purity:

Purity of compounds was checked by TLC.

Analysis:

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

X-ray crystallographic

Measurement device: Bruker Kappa APEXII CCD diffractometer