GLOSSARY

- All the temperatures are expressed in centigrade (°C).
- All the melting points reported are uncorrected and have been recorded by capillary method.
- Room temperature or laboratory temperature wherever mentioned in the present work normally corresponds to 27-30 °C.
- All the solvents used were purified according to the procedures reported in literature.
- TLC was performed on E-Merck pre-coated 60 F$_{254}$ plates and the spots were rendered visible by exposing to short UV light and iodine.
- Infrared spectra was recorded with a Thermo Scientific Nicolet iS10 FT-IR Spectrophotometer at the Department of Chemistry, Veer Narmad South Gujarat University in the frequency range 4000–400 cm$^{-1}$ with samples embedded in KBr discs.
- $^1$H nuclear magnetic resonance (NMR) spectra of the compounds were recorded with a Bruker Avance II 400 NMR spectrometer using DMSO $d_6$ as a solvent and Tetramethylsilane (TMS) as an internal reference at SAIF (Sophisticated Analytical Instrument Facilities), Chandigarh.
- All the compounds previously known in the literature were characterized by comparison of their $R_f$ values on TLC and IR spectra as well as melting point.