General remarks for the experimental part

- All melting points (°C) are uncorrected.
- The yields of all compounds reported are of crystallized.
- All solvents used were distilled and dried.
- The purity of the compounds was checked by TLC (TLC aluminium sheet silica gel 60 F_{254}, Merck).
- Column chromatography was performed on silica gel (60-120 mesh).
- C, H, N analysis were carried out on Parkin-Elmer 2400 C-H-N-S-O Analyzer Series II.
- IR spectra were recorded in KBr pellets on Shimadzu FT-IR 8400-S spectrometer or Nicolet 400D spectrometer.
- Mass spectra were recorded using a Shimadzu QP 2010 spectrometer.
- NMR spectra were recorded using a Brucker Avance 400 spectrometer, operating at 400 MHz for \(^1\)H-NMR and 100 MHz for \(^{13}\)C-APT.
- The chemical shift (δ) is reported in ppm using CDCl\(_3\) as a solvent, and calibrated standard solvent signal.