The following data apply to the experimental portions of all the parts unless otherwise stated.

Melting points were determined on a Kofler block and are uncorrected. Infra-red (IR) spectra were recorded on a Perkin-Elmer 237 B grating infra-red spectrophotometer as solutions in chloroform. Nuclear magnetic resonance (NMR) refers to $^1$H NMR only. These spectra were recorded in deuterochloroform on Varian T-60 MHz instrument. Values are given in ppm ($\delta$): unmarked signals are singlets, d = doublet, dd = double doublet, t = triplet, q = quartet, m = multiplet, br = broad singlet. Low resolution mass spectra and high resolution mass spectra were recorded on MS-30 instrument and MS-902 instrument respectively.

Thin layer chromatography (t.l.c.) and preparative t.l.c. were performed on silica gel-G (Acme) and plates were activated at 110°C for 1 hr. For column chromatography silica gel (60-120 mesh, BDH) was used. All solvents were distilled as well as dried before use. Pet. ether indicates the fraction boiling between 60-80°C.