GENERAL REMARKS

1. The spectra concerning the chapter are given just after the experimental part.
2. The ^{1}H NMR and ^{13}CNMR spectra were recorded in $CDCl_3$ / DMSO-d_6 (unless otherwise stated) with TMS as an internal reference, with Bruker AC-200 or MSL-300 (200 MHz or 300 MHz for ^{1}HNMR and 50 MHz or 75 MHz for ^{13}C NMR spectrometer.) The chemical shifts are expressed in δ units.
3. The IR spectra were recorded in $CHCl_3$, nujol or as a KBr pellet on Perkin-Elmer-783 spectrophotometer and the values are expressed in cm^{-1}.
4. The melting points (m.p.) are uncorrected.
5. The ether extracts were dried with anhydrous sodium sulphate, unless otherwise mentioned.
6. The abbreviations used in the literature and charts are given below.

ABBREVATIONS:

AIBN	Azobis isobutyronitrile
AcCN	Acetonitrile
$BF_3 - OEt_2$	BF_3 etherate
BTI	bis (trifluoroacetoxy) iodobenzene
CAN	Cerric Ammonium Nitrate
CH_3CN	Acetonitrile
CH_2Cl_2	Dichloromethane
CCl_4	Carbon Tetrachloride
DCCA	Dichloroisocyanuric Acid
DDQ	Dichloro Dicyano Quinone
DEPT	Distortion Enhancement Polarisation Transfer
DHP	Dihydropyran

DMF	Dimethyl Formamide
DMSO	Dimethyl Sulfoxide
EtOH	Ethanol
Et_3 P	Triethyl Phosphine
Fig.	Figure
$FeCl_3$	Ferric Chloride
HIV	Human Immune Deficiency Virus
HMDS	Hexamethyl Disilazane
IBD	Iodobenzene Diacetate
I_2	Iodine
KOH	Potassium Hydroxide
KMnO4	Potassium Permagnate
LEDs	Light Emitting Devices
Lit .	Literature
MCPBA	metacholroperbenzoic acid
mmol	Mili mole
MW	Micro Wave
Min.	Minute
MS	Mass Spectra
NaOAc	Sodium Acetate
NCS	N – ChloroSuccinamide
NDDH	1,3 – dichloro – 5,5 – dimethyl hydantoin
Obs.	Observed
Pet-ether	Petroleum ether
PS – PPh_3	Polymer supported reagent (triphenylphosphine)
Py	Pyridine
$POCl_3$	Phosphorous Oxychloride
r.t.	Room Temperature
SSA	Silica Sulfuric Acid
TEA	Triethyl Amine
TEMPO	2.,2,6,6 – tetramethyl -1- piperidnyloxy
THP	Tetrahydropyran

THF	Tetrahydrofuran
TLC	Thin layer chromatography
TMS	Tetramethyl silane
TPCD	tetrakis – pyridine Cobalt (II) dichromate