

## ABBREVIATIONS

$\mu\text{g}$	micro gram
$\mu\text{L}$	Micro liter
$\mu\text{M}$	Micro molar
$^{\circ}\text{C}$	Degree celsius
$\text{Ac}_2\text{O}$	Acetic anhydride
$\text{AcOH}$	Acetic acid
$\text{Br}_2$	Bromine
$\text{CDCl}_3$	Deuterated chloroform
$\text{CH}_3\text{COONa}$	Sodium acetate
CT-DNA	Calf thymus DNA
T2DM	Type-2 Diabetes Mellitus
DMF	N, N-dimethyl formamide
DMSO	Dimethylsulfoxide
$\text{D}_2\text{O}$	Deutarated water
DSC	Differential scanning calorimetry
ESI-MS	Electron Spray Ionization Mass Spectrometry
EtBr	Ethidium Bromide
EtOH	Ethyl alcohol, Ethanol
g	gram
h	hour
Hz	Hertz
$J$	Coupling constant
$\text{H}_2\text{SO}_4$	Sulphuric acid
HCl	Hydrochloric acid
$\text{I}_2$	Iodine
$\text{IC}_{50}$	50% Inhibitory Concentration
IR	Infrared spectrometry
KBr	Potassium bromide
Kcal	Kilo calorie
$\text{K}_2\text{CO}_3$	Potassium Carbonate
KOH	Potassium Hydroxide
LCs	Liquid crystals

LDH	Lactate dehydrogenase
Lit.	Literature
MeOH	Methyl alcohol, Methanol
MHz	Mega Hertz
min	Minutes
mL	mililiter
mM	Milimole
M. P	Melting point
MS	Mass Spectrometry
NaOH	Sodium hydroxide
NMR	Nuclear Magnetic Resonance
POM	Polarising Optical Microscope
TEA	Triethylamine
TFA	Trifluoroacetic acid
THF	Tetrahydrofuran
TLC	Thin layer chromatography
XRD	X-Ray single crystal diffractometer