

List of Abbreviations

MTT- 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide

DNA- Deoxyribo nucleic acid

aq. - Aqueous

IR - Infra red

UV - Ultra Violet

NMR - Nuclear magnetic resonance

DEPT - Distortionless Enhancement by Polarization Transfer

COSY - Correlation spectroscopy

HSQC - Heteronuclear Single Quantum Coherence

TGA - Thermo gravimetric analysis

TG - Thermogravimetry

DTG - Differential thermogravimetry

DTA - Differential thermal analysis

CCD - Charged coupled device

2D - Two dimensional

DFT - Density functional theory

NF - KB - Nuclear factor kappa-light-chain-enhancer of activated B cells

HOMO - Highest occupied molecular orbital

LUMO - Lowest unoccupied molecular orbital

DMF - Dimethyl formamide

DMSO - Dimethyl sulphoxide

dtc - Dithiocarbamate

xan - Xanthate

TLC - Thin layer chromatography

Et₃N - Triethyl amine