List of Abbreviations

TLC - Thin layer chromatography

NMR - Nuclear Magnetic Resonance

FTIR - Fourier Transform Infra-red

UV – Ultra-violet

TGA - Thermo gravimetric analysis

SCXRD - Single Crystal X-ray Diffraction

TG - Thermogravimetry

DTG - Differential thermogravimetry

DTA - Differential thermal analysis

DFT - Density functional theory

HOMO - Highest occupied molecular orbital

LUMO - Lowest unoccupied molecular orbital

MESP - Molecular Electrostatic Potential

HRMS - High-resolution mass spectrometry

CH_2Cl_2 - Dichloromethane

MeOH - Methanol

MeCN - Acetonitrile

DMSO - Dimethyl sulphoxide

dtc/DTC - Dithiocarbamate