

List of Abbreviations and Symbols

CCDC	Cambridge Crystallographic Data Centre
cm	Centimeter
EI-MS	Electron Impact Ionization Mass Spectrometry
ESI-MS	Electrospray Ionization Mass Spectrometry
LC-MS	Liquid Chromatography Mass Spectroscopy
GC	Gas chromatography
CE	High-performance liquid chromatography
XRF	X-ray fluorescence
UV	Ultraviolet
UV-vis	Ultraviolet-visible
FTIR	Fourier transform infrared spectroscopy
HRMS	High-resolution mass spectrometry
NAA	Neutron activation analysis
DPP	Differential pulse polarography
Mp.	Melting point
min	Minute
NMR	Nuclear magnetic resonance
DEPT	Distortionless enhancement by polarization transfer
RT	Room temperature
TLC	Thin layer chromatography
ORTEP	Oak Ridge thermal ellipsoid plot
CHN	Elemental analyzer
HOMO	Highest occupied molecular orbital
LUMO	Lowest un-occupied molecular orbital
TG	Thermogravimetry
DTG	Differential thermogravimetry
DTA	Differential thermal analysis
CV	Cyclic Voltammetry
DMF	Dimethyl formamide
DMSO	Dimethyl sulphoxide
ICP-AES	Inductively coupled plasma atomic emission spectroscopy
m/z	Mass-to-charge ratio

mmol	Millimoles
mL	Milliliters
α	Alpha
β	Beta
δ	Delta
$^{\circ}$	Degree
ppm	parts per million
MHz	Mega hertz
θ	Theta
\AA	Angstrom
$^{\circ}\text{C}$	Degree Celsius
K	Kelvin
mg	Milligrams
g	Grams