## LIST OF SYMBOLS AND ABBREVIATIONS

The following abbreviations were used at various parts in the subsequent text.

M Molar

J Coupling Constant

s Singlet

d Doublet

t Triplet

m Multiplet

δ Chemical Shift

Stretching Vibration

E<sub>x</sub> Excitation

E<sub>m</sub> Emission

NMR Nuclear Magnetic Resonance

FT-IR Fourier Transform Infrared

CHN Analysis Carbon, Hydrogen and Nitrogen Analysis

EtOAc Ethyl Acetate

MeOH Methanol

CDCl<sub>3</sub> Deuterated Chloroform

DMSO Dimethylsulfoxide

TMOF Trimethylorthoformate