CONTENTS

SCHEMES

TABLES

FIGURES

ABBREVIATION

^{1}HNMR : Proton Nuclear Magnetic Resonance

^{13}CNMR : Carbon-13 Nuclear Magnetic Resonance

COSY : COrrelated SpectroscopY

HMBC : Heteronuclear Multiple Bond Connectivity

HMQC : Heteronuclear Multi Quantum Coherent

NOESY : Nuclear Overhauser Effect SpectroscopY

Hz : Hertz

δ : chemical shifts are given in ppm

ppm : ratio of two frequencies, Hz/MHz

J : nuclear spin-spin coupling constant through a single bond (one-bond coupling)

kg : kilogram

g : gram

ml : milliliter

m/e : mass to charge ratio

s : single

d : doublet

t : triplet

br : broad