Contents

Contents (continued)

Contents (continued)

Contents (continued)

List of Figures

List of Figures (continued)

List of Figures (continued)

List of Tables

List of Tables (continued)

Abbreviations and Symbols

$(D_3C)_2CO$	acetone-d_6
^{13}C NMR	carbon-13 nuclear magnetic resonance
^{1}H NMR	proton nuclear magnetic resonance
BHT	butylated hydroxytoluene
CC	column chromatography
$CDCl_3$	chloroform-d_6
CH_2Cl_2	dichloromethane
COSY	correlated spectroscopy
D_2O	deuterium oxide
DMSO	dimethyl-d_6 sulfoxide
EC_{50}	effective concentration at 50% of test subject
EtOAc	ethyl acetate
EtOH	ethanol
HMBC	heteronuclear multiple bond coherent
HMQC	heteronuclear multiple quantum coherent
HPLC	high performance liquid chromatography
Hz	hertz
IR	infrared
MeOH	methanol
MS	mass spectrometry
NMR	nuclear magnetic resonance
NOE	nuclear overhauser effect
RP	reversed phase
Rs	resolution
RSD	relative standard deviation
SD	standard deviation
TBA	triobarbituric acid
TCA	trichloroacetic acid
T_f	tailing factor

Abbreviations and Symbols (continued)

THF	tetrahydrofuran
TLC	thin layer chromatography
UV	ultraviolet
°C	degree celsius
d	doublet
dd	doublet of doublets
J	coupling constant
k′	capacity factor
m	multiplet
m/z	mass over charge ratio
s	singlet
t_R	retention time
δ	chemical shift
λ	wavelength
λ_{max}	wavelength at maximum absorption
ν_{max}	wavenumber at maximum absorption