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ABBREVIATIONS AND SYMBOLS

<i>br</i>	Broad (spectral)
CC	Column chromatography
cm	Centimeter
cm ⁻¹	Wave number
CH ₂ Cl ₂	Dichloromethane
CHCl ₃	Chloroform
CFAT	Coniferyl alcohol acetyl transferase
COSY	Correlation spectroscopy
δ	Chemical shift in parts per million downfield from tetramethylsilane
<i>d</i>	Doublet (spectral)
<i>dd</i>	Doublet of doublets (spectral)
DEPT	Distortionless enhancement by polarization transfer
EtOAc	Ethyl acetate
EI-MS	Electron impact mass spectrometry
ESI-MS	Electrospray ionization mass spectrometry
EGS	Eugenol synthase
FAD	Flavin adenine dinucleotide
FPP	Farnesyl pyrophosphate
FT-IR	Fourier-transform infrared
g	Gram
¹ H-NMR	Proton nuclear magnetic resonance
HMGS	3-Hydroxy-3-methylglutaryl-coenzyme A synthase
HMGR	3-Hydroxy-3-methylglutaryl-coenzyme A reductase
HMBC	Heteronuclear multiple bond correlation
HMQC	Heteronuclear multiple quantum correlation
IC ₅₀	50% inhibitory concentration
IR	Infrared

IPP	Isopentenyl pyrophosphate
<i>J</i>	Coupling constant
L	Litre
mg	Milligram
<i>m</i>	Multiplet (spectral)
mL	Millilitre
mp	Melting point
<i>m/z</i>	Mass to charge ratio
MeOH	Methanol
MHz	Megahertz
MS	Mass spectrometry
nm	Nanometers
NAD ⁺	Nicotinamide adenine dinucleotide
<i>Obsc</i>	Obscure (spectral)
PTLC	Preparative thin layer chromatography
ppm	Parts per million (in NMR)
<i>s</i>	Singlet (spectral)
TLC	Thin layer chromatography
TMS	Tetramethylsilane
<i>t</i>	Triplet (spectral)
UV	Ultraviolet
[α]	Specific optical rotation

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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