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(NMR) Spectroscopy

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ABBREVIATIONS AND SYMBOLS

<i>br</i>	broad
cm	centimeter
cm ⁻¹	wave number
¹³ C NMR	carbon 13 nuclear magnetic resonance
CH ₂ Cl ₂	dichloromethane
CC	column chromatography
CDCl ₃	deuterated chloroform
COSY	correlated spectroscopy
<i>d</i>	doublet
<i>dd</i>	doublet of doublets
<i>ddd</i>	doublet of doublet of doublets
DEPT	distortionless enhancement by polarization transfer
<i>dt</i>	doublet of triplets
EIMS	electron impact mass spectrometry
EtOAc	ethyl acetate
FCC	flash column chromatography
FT-IR	fourier transform infrared spectroscopy
g	gram
Gr	Group
HMBC	heteronuclear multiple bond correlation
HMQC	heteronuclear multiple quantum coherence

$^1\text{H NMR}$	proton nuclear magnetic resonance
Hz	hertz
IC_{50}	50% inhibitory concentration
J	coupling constant (hertz)
m	multiplet
m/z	a value of mass divided by charge
MeOH	methanol
mg	milligram
MHz	megahertz
MIC	minimum inhibitory concentration
mL	milliliter
mm	millimeter
MS	mass spectrometry
ppm	part per million
CC	column chromatography
s	singlet
TLC	thin layer chromatography
δ	chemical shift (ppm)
ν_{max}	maximum absorption frequency
μg	microgram
μM	micromolar
$[\alpha]_{\text{D}}$	specific rotation