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ABBREVIATIONS AND SYMBOLS

s	=	*singlet*
d	=	*doublet*
t	=	*triplet*
q	=	*quartet*
m	=	*multiplet*
brs	=	*broad singlet*
brd	=	*broad doublet*
brdd	=	*broad doublet of doublet*
brqd	=	*broad quartet of doublet*
brm	=	*broad multiplet*
dd	=	*doublet of doublet*
ddd	=	*doublet of doublet of doublet*
dt	=	*doublet of triplet*
td	=	*triplet of doublet*
δ	=	chemical shift relative to TMS
J	=	coupling constant
°C	=	degree celsius
R_f	=	retention factor
g	=	gram
mg	=	milligram
mL	=	milliliter
nm	=	nanometer
cm^{-1}	=	reciprocal centimeter (wave number)
ppm	=	part per million
λ_{max}	=	maximum wavelength

ABBREVIATIONS AND SYMBOLS (Continued)

ν	=	absorption frequencies
Hz	=	Hertz
MHz	=	megaHertz
$[\alpha]_D$	=	specific rotation
H-n	=	position of protons
C-n	=	position of carbons
TLC	=	thin-layer chromatography
UV	=	Ultraviolet
IR	=	Infrared
NMR	=	Nuclear Magnetic Resonance
1D NMR	=	one Dimentional Nuclear Magnetic Resonance
2D NMR	=	two Dimentional Nuclear Magnetic Resonance
Mass	=	Mass spectroscopy
HMQC	=	Heteronuclear Multiple Quantum Coherence
HMBC	=	Heteronuclear Multiple Bond Correlation
DEPT	=	Distortionless Enhancement by Polarization Transfer
NOE	=	Nuclear Overhauser Effect
NOEDIFF	=	Nuclear Overhauser Effect Difference Spectroscopy
TMS	=	tetramethylsilane
MeOH	=	methanol
NaOH	=	sodium hydroxide
HCl	=	hydrochloric acid
$CDCl_3$	=	deuterochloroform

ABBREVIATIONS AND SYMBOLS (Continued)

CD_3OD	=	tetradeuteromethanol
Acetone-d_6	=	hexadeuteroacetone
Pyridine-d_5	=	pentadeuteropyridine
$CHCl_3$	=	chloroform
EtOAc	=	ethyl acetate
$NaHCO_3$	=	sodium hydrogen carbonate
H_2O	=	water