
List of symbols and abbreviations

Ar	Aromatic
Cm	Centimetre
¹H NMR	Proton Nuclear Magnetic Resonance
¹³C NMR	Carbon Thirteen Nuclear Magnetic Resonance
CDCl₃	Duterated Chloroform
DEPT	Distortionless Enhancement by Polarisation Transfer
DMF	<i>N,N</i> -Dimethyl formamide
DMSO	Dimethyl sulfoxide
DMSO-<i>d</i>6	Duterated dimethyl sulfoxide
d	Doublet
dd	Doublet of Doublet
HSQC	Heteronuclear Single Quantum Correlation
HMBC	Heteronuclear Multiple Bond Correlation
EtOH	Ethanol/Ethyl alcohol
EI-MS	Electron ionization Mass Spectroscopy
Equiv.	Equivalent
Gl. AcOH	Glacial Acetic Acid
g	Gram
M	Molar
m	Multiplet
Q-TOF	Quadrupole Time of Flight Mass Spectrometer
TB	Tuberculosis
INH	Isonicotinylhydrazide
GC-MS	Gas Chromatography–Mass Spectrometry
HRMS	High Resolution Mass Spectrometry
Hz	Hertz
h	Hour(s)
FTIR	Fourier-Transform Infrared Spectroscopy
<i>J</i>	Coupling constant
MeOH	Methanol/Methyl alcohol

MHz	Megahertz
ppm	Parts Per Million
q	Quartet
rt	Room temperature
s	Singlet
μM	Micro Molar
TLC	Thin Layer Chromatography
POCl₃	Phosphorous Oxychloride
OGTT	Oral Glucose Tolerance Test
TNFα	Tumour Necrosis Factor
IBD	Inflammatory Bowel Disease
COX-2	Cyclooxygenase-2
MIC	Minimum Inhibitory Concentration
Bis-TBAC	Bis-Tetrabutylammonium Dichromate
TDR	Totally Drug Resistant
MTB	Mycobacterium Tuberculosis
PPA	Polyphosphoric Acid