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Abbreviations and Symbols

| | | |
|------------------|---|------------------------------------|
| <i>s</i> | = | <i>singlet</i> |
| <i>d</i> | = | <i>doublet</i> |
| <i>t</i> | = | <i>triplet</i> |
| <i>m</i> | = | <i>multiplet</i> |
| <i>brs</i> | = | <i>broad singlet</i> |
| <i>bri</i> | = | <i>broad triplet</i> |
| <i>dd</i> | = | <i>doublet of doublet</i> |
| g | = | gram |
| kg | = | kilogram |
| mg | = | milligram |
| μg | = | microgram |
| mM | = | millimolar |
| mL | = | milliliter |
| min | = | minute |
| <i>m/z</i> | = | a value of mass divided by charge |
| % | = | percent |
| nm | = | nanometer |
| cm ³ | = | cubic centimeter |
| m.p. | = | melting point |
| cm ⁻¹ | = | reciprocal centimeter (wavenumber) |
| δ | = | chemical shift relative to TMS |
| <i>J</i> | = | coupling constant |
| [α] _D | = | specific rotation |

Abbreviations and Symbols (Continued)

| | | |
|---------------------|---|---|
| λ_{\max} | = | maximum wavelength |
| ν | = | absorption frequencies |
| ϵ | = | Molar extinction coefficient |
| $^{\circ}\text{C}$ | = | degree celsius |
| MHz | = | megahertz |
| ppm | = | part per million |
| c | = | concentration |
| EIMS | = | Electron Impact Mass Spectra |
| MS | = | Mass Spectroscopy |
| IR | = | Infrared |
| UV | = | Ultraviolet |
| ^1H NMR | = | Proton Nuclear Magnetic Resonance |
| ^{13}C NMR | = | Carbon Nuclear Magnetic Resonance |
| 2D NMR | = | Two Dimensional Nuclear Magnetic Resonance |
| COSY | = | Correlated Spectroscopy |
| DEPT | = | Distortionless Enhancement by Polarization Transfer |
| HMBC | = | Heteronuclear Multiple Bond Correlation |
| HMQC | = | Heteronuclear Multiple Quantum Coherence |
| NOE | = | Nuclear Overhauser Effect |
| CC | = | Column Chromatography |
| QCC | = | Quick Column Chromatography |
| TMS | = | tetramethylsilane |
| $\text{DMSO-}d_6$ | = | Deutero dimethyl sulphoxide |

Abbreviations and Symbols (Continued)

| | | |
|------------------------|---|---------------------------------------|
| CDCl_3 | = | deuteriochloroform |
| C_6D_6 | = | deuterobenzene |
| MeOH | = | methanol |
| TLC | = | Thin-Layer Chromatography |
| IC_{50} | = | 50 % Inhibition Concentration |
| DPPH | = | 2,2-Diphenyl-1-picrylhydrazyl radical |