

### **ABBREVIATIONS**

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| ABTS                             | 2,2'-azino-bis(3-ethylbenzothiazoline-6-sulphonic acid) |
| Ac                               | Acetyl                                                  |
| Ac <sub>2</sub> O                | Acetic anhydride                                        |
| AcOH                             | Acetic acid                                             |
| AIDS                             | Acquired immune deficiency syndrome                     |
| BHA                              | Butylated hydroxyanisole                                |
| BHP                              | Butyl hydroperoxide                                     |
| BHT                              | Butylated hydroxytoluene                                |
| BSTFA                            | N,O-bis(trimethylsilyl)trifluoroacetamide               |
| °C                               | Degree centigrade                                       |
| CCl <sub>3</sub> COOH            | Trichloro acetic acid                                   |
| CF <sub>3</sub> COOH             | Trifluoro acetic acid                                   |
| CH <sub>3</sub> COOH             | Acetic acid                                             |
| CHCl <sub>3</sub>                | Chloroform                                              |
| CH <sub>3</sub> I                | Methyl iodide                                           |
| CH <sub>3</sub> OH               | Methanol                                                |
| C <sub>2</sub> H <sub>5</sub> OH | Ethanol                                                 |

## Abbreviations

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|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| cm                    | Centimetre                                          |
| CO <sub>2</sub>       | Carbon dioxide                                      |
| CuCl <sub>2</sub>     | Cupric chloride                                     |
| 1D                    | 1-Dimensional                                       |
| 2D                    | 2-Dimensional                                       |
| Da                    | Dalton                                              |
| DCF                   | Dichlorofluorescein                                 |
| DCFH <sub>2</sub> -DA | 2,7- dichlorodihydrofluorescein diacetate           |
| DEPT                  | Distortionless enhancement by polarization transfer |
| DEAE                  | Diethyl aminoethyl                                  |
| DMSO                  | Dimethyl sulfoxide                                  |
| DNA                   | Deoxyribo nucleic acid                              |
| DQF-COSY              | Double-quantum filtered correlation spectroscopy    |
| D <sub>2</sub> O      | Deuterium oxide                                     |
| EDTA                  | Ethylene diamine tetra acetic acid                  |
| EtOH                  | Ethyl alcohol                                       |
| FeCl <sub>3</sub>     | Ferric chloride                                     |
| FeSO <sub>4</sub>     | Ferrous sulphate                                    |
| Fuc                   | Fucose                                              |
| g                     | Gram                                                |

## Abbreviations

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|                               |                                             |
|-------------------------------|---------------------------------------------|
| Gal                           | Galactose                                   |
| Glc                           | Glucose                                     |
| GLC                           | Gas-liquid chromatography                   |
| GLC-MS                        | Gas-liquid chromatography mass spectrometry |
| GPC                           | Gel permeation chromatography               |
| h                             | Hour(s)                                     |
| HCl                           | Hydrochloric acid                           |
| HCOOH                         | Formic acid                                 |
| HIV                           | Human immunodeficiency virus                |
| HMBC                          | Heteronuclear multiple bond correlation     |
| HOD                           | Deuterated water                            |
| HPLC                          | High performance liquid chromatography      |
| HSQC                          | Heteronuclear single quantum coherence      |
| Hz                            | Hertz                                       |
| H <sub>2</sub> O              | Water                                       |
| H <sub>2</sub> O <sub>2</sub> | Hydrogen peroxide                           |
| <i>J</i>                      | Coupling constants                          |
| <i>L. sajor-caju</i>          | <i>Lentinus sajor-caju</i>                  |
| M                             | Molar                                       |
| m                             | metre                                       |

## Abbreviations

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|                                 |                                                                 |
|---------------------------------|-----------------------------------------------------------------|
| MDA                             | Malondialdehyde                                                 |
| Me                              | Methyl                                                          |
| Me <sub>2</sub> SO              | Dimethyl sulfoxide                                              |
| mg                              | Milligram                                                       |
| MHz                             | Mega hertz                                                      |
| min                             | Minute(s)                                                       |
| mL                              | Milliliter                                                      |
| mM                              | Millimolar                                                      |
| mm                              | millimetre                                                      |
| MTT                             | 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium<br>bromide |
| Mol. Wt.                        | Molecular weight                                                |
| <i>m/z</i>                      | Mass to charge ratio                                            |
| N                               | Normal                                                          |
| NaBH <sub>4</sub>               | Sodium borohydrate                                              |
| NADPH                           | Reduced form of Nicotinamide adenine dinucleotide<br>phosphate  |
| Na <sub>3</sub> PO <sub>4</sub> | Sodium phosphate                                                |
| NaIO <sub>4</sub>               | Sodium metaperiodate                                            |
| NaOH                            | Sodium hydroxide                                                |

## Abbreviations

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|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| NBT                           | Nitrobluetetrazolium                               |
| NK                            | Natural killer cell                                |
| nm                            | Nanometre                                          |
| NMR                           | Nuclear magnetic resonance                         |
| NO                            | Nitric oxide                                       |
| NOE                           | Nuclear overhauser effect                          |
| NOESY                         | Nuclear overhauser enhancement spectroscopy        |
| OS                            | Oligosaccharides                                   |
| <i>p</i>                      | Pyranose                                           |
| P <sub>2</sub> O <sub>5</sub> | Phosphorus pentoxide                               |
| PBMCs                         | Peripheral blood mononuclear cells                 |
| PBS                           | Phosphate buffered saline                          |
| PMAA                          | Partially methylated alditol acetate               |
| ppm                           | Parts per million                                  |
| PS                            | Polysaccharide                                     |
| RBC                           | Red blood cell                                     |
| RNA                           | Ribo nucleic acid                                  |
| ROE                           | Rotating frame overhauser effect                   |
| ROESY                         | Rotating frame overhauser enhancement spectroscopy |
| ROS                           | Reactive oxygen species                            |

## Abbreviations

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|                     |                                         |
|---------------------|-----------------------------------------|
| rpm                 | Rotation per minute                     |
| SDPS                | Smith-degraded polysaccharide           |
| SDS                 | Sodium dodecyl sulfate                  |
| SEC                 | Size Exclusion Chromatography           |
| SPI                 | Splenocyte proliferation index          |
| TBA                 | Thiobarbituric acid                     |
| TBARS               | Thiobarbituric acid reacting substance  |
| TBHQ                | Tert-butylated hydroxyquinone           |
| TCA                 | Trichloro acetic acid                   |
| <i>T. clypeatus</i> | <i>Termitomyces clypeatus</i> (R. Heim) |
| TEAC                | Trolox equivalent antioxidant capacity  |
| TFA                 | Trifluoro acetic acid                   |
| TOCSY               | Total correlation spectroscopy          |
| <i>T. rufum</i>     | <i>Tuber rufum</i> (Pico) var.          |
| UV                  | Ultraviolet                             |
| vis                 | Visible                                 |
| v/v                 | Volume by volume ratio                  |
| w/v                 | Weight by volume ratio                  |
| $\alpha$            | Alfa                                    |
| $\beta$             | Beta                                    |

## Abbreviations

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|               |            |
|---------------|------------|
| $\gamma$      | Gamma      |
| $\delta$      | Delta      |
| $\mu\text{g}$ | Microgram  |
| $\mu\text{L}$ | Microliter |
| $\mu\text{M}$ | Micromolar |