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| **Table S1**  **Compounds identified in the active fractions and sub-fractions from *Spathodea campanulata* by UHPLC-HRMS** | | | | | | |
| **Fraction** | **Ion**  **mode** | **Precursor ion** | **Fragments** | **Molecular**  **Formula** | **Identification** | **Literature** |
| C | [M-H]- | 191.0342 | 176.0106,148.0155,104.0255 | C10H8O4 | Tentative identification:  5,7-dihydroxy-4-metilcoumarin |  |
| C | [M-H]- | 137.0235 | 105.4586,93.0333 | C7H6O3 | 4-hydroxy-benzoic acid | Pianaro et al. 2007 |
| C | [M-H]- | 301.0354 | 273.0408,245.0457,178.9977,151.0026 | C15H10O7 | Quercetin | Boniface et al. 2019 |
| C | [M-H]- | 285.0405 | 151.0025,133.0283 | C15H10O6 | Kaempferol | Lifongo et al. 2014 |
| C | [M+H]+ | 139.0391 | 95.0497,91.0548,67.0550 | C7H6O3 | 4-hydroxy-benzoic acid | Pianaro et al. 2007 |
| C | [M+H]+ | 193.0498 | 178.0261,165.0549,150.0312,  133.0285,122.0365 | C10H8O4 | Tentative identification:  5,7-dihydroxy-4-metilcoumarin |  |
| C | [M+H]+ | 147.0442 | 103.0547,91.0548,77.0392,65.0394 | C9H6O2 | Coumarin | Boniface et al. 2015 |
| C | [M+H]+ | 287.0552 | 269.0440,153.0183,137.0232 | C15H10O6 | Kaempferol | Lifongo et al. 2014 |
| C | [M+H]+ | 111.0445 | 93.0703,65.0394,55,0551 | C6H6O2 | Catechol | Boniface et al. 2015 |
| SC2 | [M-H]- | 191.0342 | 176.0106,148.0155,104.0255 | C10H8O4 | Tentative identification:  5,7-dihydroxy-4-metilcoumarin |  |
| SC2 | [M-H]- | 285.0405 | 151.0025,133.0283 | C15H10O6 | Kaempferol | Lifongo et al. 2014 |
| SC2 | [M+H]+ | 139.0391 | 95.0497,91.0548,67.0550 | C7H6O3 | 4-hydroxy-benzoic acid | Pianaro et al. 2007 |
| SC2 | [M+H]+ | 287.0552 | 269.0440,153.0183,137.0232 | C15H10O6 | Kaempferol | Lifongo et al. 2014 |
| E | [M+H]+ | 447.0933 | 285.0402,151.0027 | C21H20O11 | Kaempferol 3-glucoside | Nazif 2007 |
| E | [M-H]- | 285.0405 | 229.2277,151.0029,133.0284 | C15H10O6 | Kaempferol | Lifongo et al. 2014 |
| E | [M-H]- | 455.3531 | 411.3633 | C30H48O3 | Ursolic acid | Lifongo et al. 2014  Amusan et al. 1996  Heim et al. 2012 |
| E | [M+H]+ | 153.0546 | 123.0441,95.0132,79.0184 | C8H8O3 | Methyl 4-hydroxybenzoate | Pianaro et al. 2007 |
| E | [M+H]+ | 193.0498 | 178.0258,150.0311,133.0283,137.0595 | C10H8O4 | Tentative identification:  5,7-dihydroxy-4-metilcoumarin |  |
| E | [M+H]+ | 449.1078 | 287.0551 | C21H20O11 | Kaempferol 3-glucoside | Nazif 2007 |
| E | [M+H]+ | 455.3516 | 437.3415,409.3470,391.3368,219.1742 | C30H46O3 | Tomentosolic acid | Amusan et al. 1996  Heim et al. 2012 |
| E | [M+H]+ | 457.3313 | 439.3628,411.3253,393.3140,339.2325,  175.1483 | C30H48O3 | Ursolic acid | Lifongo et al. 2014  Amusan et al. 1996  Heim et al. 2012 |
| E | [M+H]+ | 429.3725 | 412.3649,346.2809,317.2466,303.2307, 289.21592,177.0911,151.0753,137.0596 | C29H48O2 | Tentative identification:  Spathodol | Heim et al. 2012  Ngouela et al. 1991 |
| E | [M+H]+ | 489.3585 |  | C30H48O5 | Tentative identification:  Spathodic acid | Heim et al. 2012 |
| SA1 | [M-H]- | 455.3531 | 411.3633 | C30H48O3 | Ursolic acid | Heim et al. 2012 |
| SB1 | [M-H]- | 471.3479 | 427.3579,409.3479 | C30H48O4 | Alpha-hydroxy ursolic acid | Heim et al. 2012 |
| SB1 | [M-H]- | 453.3376 | 409.3776 | C30H46O3 | Tomentosolic acid | Amusan et al. 1996  Heim et al. 2012 |
| SB1 | [M-H]- | 455.3531 | 411.3633 | C30H48O3 | Ursolic acid | Lifongo et al. 2014  Amusan et al. 1996  Heim et al. 2012 |
| SB1 | [M+H]+ | 153.0546 | 111.0443 | C8H8O3 | Methyl 4-hydroxybenzoate | Pianaro et al. 2007 |
| SD2 | [M-H]- | 455.3531 | 411.3633 | C30H48O3 | Ursolic acid | Heim et al. 2012 |
| SE1 | [M-H]- | 447.0933 | 285.0402,151.0027 | C21H20O11 | Kaempferol 3-glucoside | Nazif 2007 |
| SE1 | [M+H]+ | 449.1078 | 287.0551 | C21H20O11 | Kaempferol 3-glucoside | Nazif 2007 |
| SE3 | [M-H]- | 285.0405 | 151.0025,133.0283 | C15H10O6 | Kaempferol | Lifongo et al. 2014 |