SUPPLEMENTARY TABLE I. Active compounds contents in *Mentha piperita* essential oil

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | VR3\_Dt | ATSC8s | minsssCH | VPC-4 | BCUTp-1l | MATS2e |
| 1.8-cineol | 5.109 | 0.000 | 0.823 | 2.411 | 6.631 | 0.158 |
| 3-para-menthen | 4.848 | 2.640 | -0.128 | 1.242 | 5.497 | 0.002 |
| alpha-cubebene | 7.264 | 2.278 | 0.901 | 3.611 | 6.488 | 0.103 |
| alpha-humulene | 7.482 | 5.557 | 0.000 | 1.393 | 6.646 | 0.083 |
| alpha-pinene | 4.127 | 0.000 | 0.922 | 2.971 | 6.577 | 0.144 |
| alpha-terpineol | 4.177 | 3.447 | 0.464 | 1.601 | 5.628 | 0.085 |
| beta-farnesene | 7.098 | 0.400 | 0.000 | 0.697 | 5.594 | 0.000 |
| beta-pinene | 4.127 | 0.000 | 0.867 | 2.930 | 6.440 | 0.113 |
| carvone | 5.643 | 4.931 | 0.395 | 1.109 | 4.942 | 0.059 |
| Caryophyllene | 9.196 | 4.441 | 0.532 | 3.495 | 6.474 | 0.044 |
| D-germacrene | 7.289 | 4.757 | 0.711 | 1.349 | 6.455 | 0.002 |
| iso-menthol | 4.848 | 2.198 | -0.029 | 1.521 | 5.448 | 0.004 |
| iso-menthone | 5.291 | 4.302 | 0.155 | 1.097 | 4.459 | 0.244 |
| isopulegol | 4.848 | 2.640 | -0.128 | 1.242 | 5.494 | 0.002 |
| limonen | 3.767 | 1.480 | 0.767 | 1.009 | 6.190 | 0.043 |
| linalool | 4.278 | 1.533 | 0.000 | 0.825 | 5.601 | 0.098 |
| menthol | 4.848 | 2.198 | -0.029 | 1.521 | 5.448 | 0.004 |
| menthone | 4.848 | 3.168 | 0.367 | 1.356 | 4.972 | 0.046 |
| menthyl-acetate | 7.334 | -19.058 | -1.009 | 1.749 | 4.529 | 0.156 |
| myrcen | 3.810 | -1.936 | 0.000 | 0.408 | 5.574 | 0.006 |
| neo-iso-menthol | 4.848 | 2.198 | -0.029 | 1.521 | 5.448 | 0.004 |
| o-cimen | 4.177 | 6.199 | 0.000 | 1.039 | 5.570 | 0.096 |
| piperiton | 4.848 | 4.173 | 0.290 | 1.205 | 5.073 | 0.056 |
| pulegon | 4.848 | 4.067 | 0.602 | 1.117 | 5.066 | 0.063 |
| sabinen | 3.890 | 0.000 | 0.886 | 2.531 | 6.234 | 0.083 |
| trans-caryophyllene | 9.003 | 3.647 | 0.833 | 2.824 | 6.613 | 0.073 |
| trans-sabinen-hidrat | 3.890 | 0.000 | 0.886 | 2.531 | 6.234 | 0.083 |

SUPPLEMENTARY TABLE I. Active compounds contents in *Mentha piperita* essential oil (Continued)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ATSC2v | hmax | AVP-4 | AATSC2m | MATS7m | AATSC2v |
| 1.8-cineol | 405.012 | 0.311 | 0.089 | 8.026 | 0.000 | 6.640 |
| 3-para-menthen | 13.070 | 0.493 | 0.101 | 0.514 | -0.454 | 0.238 |
| alpha-cubebene | 446.258 | 0.290 | 0.079 | 2.963 | -0.025 | 5.509 |
| alpha-humulene | 319.708 | 0.394 | 0.095 | 2.388 | -0.280 | 4.440 |
| alpha-pinene | 398.302 | 0.290 | 0.091 | 4.119 | 0.000 | 7.660 |
| alpha-terpineol | 232.489 | 0.380 | 0.100 | 4.376 | -1.038 | 4.227 |
| beta-farnesene | -1.332 | 0.410 | 0.108 | -0.011 | -0.446 | -0.020 |
| beta-pinene | 311.715 | 0.318 | 0.093 | 3.224 | 0.000 | 5.995 |
| carvone | 227.612 | 0.488 | 0.075 | 4.067 | -0.926 | 5.058 |
| Caryophyllene | 337.459 | 0.476 | 0.089 | 3.125 | -0.353 | 4.218 |
| D-germacrene | 7.993 | 0.377 | 0.100 | 0.060 | -0.488 | 0.111 |
| iso-menthol | -31.258 | 0.450 | 0.113 | 0.126 | -0.303 | -0.512 |
| iso-menthone | -54.905 | 0.556 | 0.083 | 2.853 | 0.093 | -0.947 |
| isopulegol | 13.070 | 0.493 | 0.101 | 0.514 | -0.454 | 0.238 |
| limonen | 109.233 | 0.348 | 0.101 | 1.224 | -1.000 | 2.276 |
| linalool | 117.548 | 0.443 | 0.108 | 3.936 | -0.801 | 2.399 |
| menthol | -31.258 | 0.450 | 0.113 | 0.126 | -0.303 | -0.512 |
| menthone | 41.109 | 0.401 | 0.101 | 1.450 | -0.276 | 0.721 |
| menthyl-acetate | -18.685 | 0.763 | 0.089 | 2.595 | -0.331 | -0.243 |
| myrcen | 13.321 | 0.417 | 0.108 | 0.171 | -0.648 | 0.317 |
| neo-iso-menthol | -31.258 | 0.450 | 0.113 | 0.126 | -0.303 | -0.512 |
| o-cimen | 416.499 | 0.449 | 0.060 | 7.745 | -1.042 | 9.686 |
| piperiton | 177.434 | 0.445 | 0.085 | 3.101 | -0.609 | 3.479 |
| pulegon | 265.891 | 0.445 | 0.084 | 4.100 | -0.395 | 5.214 |
| sabinen | 226.460 | 0.324 | 0.088 | 2.388 | 0.625 | 4.440 |
| trans-caryophyllene | 297.062 | 0.334 | 0.095 | 2.102 | -0.265 | 3.909 |
| trans-sabinen-hidrat | 226.460 | 0.324 | 0.088 | 2.388 | 0.625 | 4.440 |