| **Table S7.** Phenols isolated from plants exhibiting antioxidant effects. | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Compound No** | **Name** | | | **Species** | | **Family** | | **Reference** |
| P-1 | (+)-myricananin D | | | *Myrica adenophora* | | Myricaceae | | [1] |
| P-2 | (+)-myricanol | | | *Myrica adenophora* | | Myricaceae | | [1] |
| P-3 | (+)-galeon | | | *Myrica adenophora* | | Myricaceae | | [1] |
| P-4 | (+)-lyoniresinol | | | *Prunus mume* | | Rosaceae | | [2] |
| (+)-lyoniresinol | | | *Vitex negundo* | | Verbenaceae | | [3] |
| P-5 | (+)-medioresinol | | | *Prunus mume* | | Rosaceae | | [2] |
| P-6 | (+)-pinoresinol | | | *Prunus mume* | | Rosaceae | | [2] |
| P-7 | (+)-S-myricanol | | | *Alnus japonica* | | Betulaceae | | [4] |
| P-8 | (+)-syringaresinol | | | *Prunus mume* | | Rosaceae | | [2] |
| P-9 | 1-(4-hydroxy-2- methoxybenzofuran-5-yl)-3-phenylpropane-1,3-dione | | | *Celosia argentea* | | Amaranthaceae | | [5] |
| P-10 | 2-ethoxy-4-(hydroxymethyl)phenol | | | *Protea magnifica* × *Protea susanne* | | Proteaceae | | [6] |
| P-11 | 3,4-dihydroxybenzaldehyde | | | *Durio zibethinus* | | Malvaceae | | [7] |
| *Fagopyrum esculentum* | | Polygonaceae | | [8] |
| P-12 | 3,4-dihydroxybenzoic acid | | | *Durio zibethinus* | | Malvaceae | | [7] |
| *Origanum vulgare* | | Lamiaceae | | [9] |
| P-13 | 3’-formyl-4’,6’,4-trihydroxy-2’-methoxy-5’-methylchalcone | | | *Cleistocalyx operculatus* | | Myrtaceae | | [10] |
| P-14 | 3-hydroxy-3-methoxycarbonylglutaric acid | | | *Prunus mume* | | Rosaceae | | [2] |
| P-15 | 4,4′-dihydroxstilbene | | | *Yucca periculosa* | | Asparagaceae | | [11] |
| P-16 | 4-hydroxy-3-methoxybenzoic acid | | | *Durio zibethinus* | | Malvaceae | | [7] |
| P-17 | 5-deoxymyricanone | | | *Myrica adenophora* | | Myricaceae | | [1] |
| P-18 | 5-*O*-caffeoylshikimic acid | | | *Smilacis Glabrae* | | Smilacaceae | | [12] |
| P-19 | 5-*O*-ethylhirsutanonol | | | *Alnus japonica* | | Betulaceae | | [13] |
| P-20 | 5-*O*-Methylhirusutanonol | | | *Alnus japonica* | | Betulaceae | | [13] |
| P-21 | 60-O-galloyl orbicularin | | | *Myrica adenophora* | | Myricaceae | | [1] |
| P-22 | acrovestone | | | *Acronychia peduncolata* | | Rutaceae | | [14] |
| P-23 | actinidione | | | *Myrica adenophora* | Myricaceae | | | [1] |
| P-24 | aureusidin | | | *Eleocharis tuberosa* | Cyperaceae | | | [15] |
| P-25 | caffeic acid | | *Nasturtium officinale* | | Brassicaceae | | | [16] |
| *Sideritis congesta* | | Lamiaceae | | | [17] |
| *Sideritis arguta* | | Lamiaceae | | | [17] |
| *Sedum takesimense* | | Crassulaceae | | | [18] |
| *Lagenaria siceraria* | | Cucurbitaceae | | | [19] |
| *Pleioblastus kongosanensis* f. *aureostriatus* | | Poaceae | | | [20] |
| *Shibataea chinensis,* | | Poaceae | | | [20] |
| P-26 | cardanols | | *Harpephyllum caffrum* | | Anacardiaceae, | | | [21] |
| P-27 | carvacrol | | *Thymus zygis* | | Lamiaceae | | | [22] |
| *Nigella sativa* | | Ranunculaceae | | | [23] |
| P-28 | chlorogenic acid | | *Nasturtium officinale* | | Brassicaceae | | | [16] |
| *Sideritis congesta* | | Lamiaceae | | | [17] |
| *Sideritis arguta* | | Lamiaceae | | | [17] |
| *Gomortega keule* | | Gomortegaceae | | | [24] |
| *Pyrus pyrifolia* | | Rosaceae | | | [25] |
| *Smilacis Glabrae* | | Smilacaceae | | | [12] |
| *Momordica charantia* | | Cucurbitaceae | | | [19] |
| P-29 | chlorogenic acid methyl ester | | *Prunus mume* | | Rosaceae | | | [2] |
| *Pleioblastus kongosanensis* f. *aureostriatus* | | Poaceae | | | [20] |
| *Shibataea chinensis* | | Poaceae | | | [20] |
| P-30 | *cis*-Miyabenol | | *Foeniculum vulgare* | | Apiaceae | | | [26] |
| *Foeniculum vulgare* | | Apiaceae | | | [27] |
| P-31 | corilagin | | *Phyllanthus debilis* | | Phyllanthaceae | | | [28] |
| P-32 | dedehydrohirsutanonol | | *Alnus japonica* | | Betulaceae | | | [13] |
| P-33 | dehydrotriferulic acid | | *Hydrocotyle sibthorpioides* | | Araliaceae | | | [29] |
| *Hydrocotyle sibthorpioides* | | Araliaceae | | | [29] |
| P-34 | detetrahydroconidendrin | | *Vitex negundo* | | Verbenaceae | | | [3] |
| P-35 | (*E*)-caffeic acid | | *Origanum vulgare* | | Lamiaceae | | | [9] |
| P-36 | eicosanyl-(*E)-p*-coumarate | | *Harpephyllum caffrum* | | Anacardiaceae, | | | [2] |
| P-37 | ethyl gallate | | *Toona sinensis* | | Meliaceae | | | [30] |
| P-38 | ethyl protocatechuate | | *Durio zibethinus* | | Malvaceae | | | [7] |
| P-39 | evofolin-B | | | *Durio zibethinus* | Malvaceae | | | [7] |
| P-40 | ferulic acid | | | *Sideritis congesta* | Lamiaceae | | | [17] |
| *Sideritis arguta* | Lamiaceae | | | [17] |
| *Pleioblastus kongosanensis* f. *aureostriatus* | Poaceae | | | [20] |
| *Shibataea chinensis* | Poaceae | | | [20] |
| *Sedum takesimense* | Crassulaceae | | | [18] |
| P-41 | furosin | | | *Phyllanthus debilis* | Phyllanthaceae | | | [28] |
| P-42 | gallic acid | *Nasturtium officinale* | | | Brassicaceae | | [16] | |
| *Phyllanthus debilis* | | | Phyllanthaceae | | [28] | |
| *Rhodiola sachalinensis* | | | Crassulaceae | | [31] | |
| *Sedum takesimense* | | | Crassulaceae | | [18] | |
| *Lagenaria siceraria* | | | Cucurbitaceae | | [19] | |
| *Momordica charantia* | | | Cucurbitaceae | | [19] | |
| P-43 | gentisic acid | *Momordica charantia* | | | Cucurbitaceae | | [19] | |
| P-44 | geraniin | *Phyllanthus debilis* | | | Phyllanthaceae | | [28] | |
| P-45 | guangsangon J | *Morus macroura* | | | Moraceae | | [32] | |
| P-46 | hirsutanonol | *Alnus japonica* | | | Betulaceae | | [13] | |
| P-47 | kuwanon J | *Morus macroura* | | | Moraceae | | [32] | |
| P-48 | laevifonol | *Dipterocarpus dryobalanops* | | | Dipterocarpus | | [33] | |
| *Dipterocarpus elongates* | | | Dipterocarpus | | [33] | |
| *Dipterocarpus hasseltii* | | | Dipterocarpus | | [33] | |
| *Dipterocarpus verrucosus* | | | Dipterocarpus | | [33] | |
| P-49 | lariciresinol | *Araucaria araucana* | | | Araucariaceae | | [11] | |
| P-50 | methyl gallate | *Sedum takesimense* | | | Crassulaceae | | [18] | |
| *Toona sinensis* | | | Meliaceae | | [30] | |
| *Phyllanthus urinaria* | | | Phyllanthaceae | | [34] | |
| *Pyrus calleryana* | | | Rosaceae | | [35] | |
| P-51 | myricadenin A | *Myrica adenophora* | | | Myricaceae | | [1] | |
| P-52 | myricadenin B | *Myrica adenophora* | | | Myricaceae | | [1] | |
| P-53 | myricananin C | *Myrica adenophora* | | | Myricaceae | | [1] | |
| P-54 | myricanone | *Alnus japonica Steud* | | | Betulaceae | | [4] | |
| *Myrica adenophora* | | | Myricaceae | | [1] | |
| P-55 | negundin B | *Vitex negundo* | | | Verbenaceae | | [3] | |
| P-56 | oresbiusin A | *Origanum vulgare* | | | Lamiaceae | | [9] | |
| P-57 | *p*-coumaric acid | *Sideritis congesta* | | | Lamiaceae | | [17] | |
| *Sideritis arguta* | | | Lamiaceae | | [17] | |
| *Pleioblastus kongosanensis* | | | Poaceae | | [20] | |
| *Shibataea chinensis* | | | Poaceae | | [20] | |
| P-58 | phyltetralin | *Phyllanthus urinaria* | | | Phyllanthaceae | | [34] | |
| P-59 | pinoresinol | *Araucaria araucana* | | | Araucariaceae | | [11] | |
| P-60 | protocatechuic acid | *Lagenaria siceraria* | | | Cucurbitaceae | | [19] | |
| *Fagopyrum esculentum* | | | Polygonaceae | | [8] | |
| P-61 | punicalagin | *Punica granatum* | | | Lythraceae | | [36] | |
| P-62 | rosmarinic acid | *Hypericum perforatum* | | | Hypericaceae | | [37] | |
| *Lavandula angustifolia* | | | Lamiaceae | | [37] | |
| *Malva sylvetris* | | | Malvaceae | | [37] | |
| *Melissa officinalis* | | | Lamiaceae | | [37] | |
| *Rosmarinum officinalis* | | | Lamiaceae | | [37] | |
| *Salvia officinalis* | | | Lamiaceae | | [37] | |
| *Foeniculum vulgare* | | | Apiaceae | | [38] | |
| *Sideritis congesta* | | | Lamiaceae | | [17] | |
| *Sideritis arguta* | | | Lamiaceae | | [17] | |
| *Origanum vulgare* | | | Lamiaceae | | [9] | |
| P-63 | salvianolic acid A | | *Salvia miltiorrhiza* | | Labiatae | | | [39] | |
| P-64 | salvianolic acid B | | *Salvia miltiorrhiza* | | Labiatae | | | [39] | |
| P-65 | sargahydroquinoic acid | | *Roldana barba-johannis* | | Asteraceae | | | [11] | |
| P-66 | sargaquinoic acid | | *Roldana barba-johannis* | | Asteraceae | | | [11] | |
| P-67 | secoisolariciresinol | | *Araucaria araucana* | | Araucariaceae | | | [11] | |
| P-68 | syringic acid | | *Cucurbita maxima* | | Cucurbitaceae | | | [19] | |
| P-69 | thymol | | *Thymus zygis* | | Lamiaceae | | | [22] | |
| P-70 | *trans*-miyabenol | | *Foeniculum vulgare* | | Apiaceae | | | [26] | |
| P-71 | *trans*-miyabenol C | | *Foeniculum vulgare* | | Apiaceae | | | [27] | |
| P-72 | vitedoamine A | | *Vitex negundo* | | Verbenaceae | | | [3] | |
| P-73 | vitedoin A | | *Vitex negundo* | | Verbenaceae | | | [3] | |
| P-74 | vitrofolal E | | *Vitex negundo* | | Verbenaceae | | | [3] | |
| P-75 | α-conidendrin | | *Durio zibethinus* | | Malvaceae | | | [7] | |
| P-76 | (+)-(*R*)-butyl rosmarinate | | *Origanum vulgare* | | Lamiaceae | | | [9] | |
| P-77 | (+)-epimagnolin A | | *Magnolia denudata* | | Magnoliaceae | | | [40] | |
| P-78 | (+)-eudesmin | | *Magnolia denudata* | | Magnoliaceae | | | [40] | |
| P-79 | (+)-fargesin | | *Magnolia denudata* | | Magnoliaceae | | | [40] | |
| P-80 | (+)-magnolin | | *Magnolia denudata* | | Magnoliaceae | | | [40] | |
| P-81 | (6-ethoxy-3,5-dihydroxy-4-oxotetrahydro-2*H*-pyran-2-yl)methyl 4-hydroxybenzoate | | *Protea magnifica* × *Protea susanne* | | Proteaceae | | | [6] | |
| P-82 | 1-(4-hydroxyphenyl)-2-(3,5-dihydroxyphenyl)-2- hydroxyethanone | | *Sedum takesimense* | | Crassulaceae | | | [18] | |
| P-83 | 1,5-di-*O*-caffeoylquinic acid | | *Centella asiatica* | | Apiaceae | | | [29] | |
| *Foeniculum vulgare* | | Apiaceae | | | [38] | |
| P-84 | 3,5-di-*O*-caffeoyl-4-malonylquinic acid | | *Centella asiatica* | | Apiaceae | | | [29] | |
| *Centella asiatica* | | Apiaceae | | | [29] | |
| P-85 | 3,5-di-*O*-caffeoylquinic acid | | *Centella asiatica* | | Apiaceae | | | [29] | |
| P-86 | 3-caffeoylquinic acid | | *Foeniculum vulgare* | | Apiaceae | | | [38] | |
| *Hydrocotyle sibthorpioides* | | Apiaceae | | | [29] | |
| *Centella asiatica* | | Apiaceae | | | [29] | |
| P-87 | 4,5-di-*O*-caffeoylquinic acid | | *Centella asiatica* | | Apiaceae | | | [29] | |
| P-88 | 4-caffeoylquinic acid | | *Foeniculum vulgare* | | Apiaceae | | | [38] | |
| P-89 | 4-hydroxytremetone | | *Baccharis linearis* | | Asteraceae | | | [11] | |
| *Baccharis magellanica* | | Asteraceae | | | [11] | |
| *Baccharis umbelliformis* | | Asteraceae | | | [11] | |
| P-90 | 5′-methoxy-7′-*epi*-jatrorin A | | *Durio zibethinus* | | Malvaceae | | | [7] | |
| P-91 | 5-caffeoylquinic acid | | *Foeniculum vulgare* | | Apiaceae | | | [38] | |
| P-92 | eudesmin | | *Araucaria araucana* | | Araucariaceae | | | [11] | |
| P-93 | methyl-pinoresinol | | *Araucaria araucana* | | Araucariaceae | | | [11] | |
| P-94 | sargachromenol | | *Roldana barba-johannis* | | Asteraceae | | | [11] | |
| P-95 | vitrofolal F | | *Vitex negundo* | | Verbenaceae | | | [3] | |
| P-96 | 2,3,4-trihydroxy-5-methylacetophenone | | *Borassus flabellifer* | | Arecaceae | | | [41] | |
| P-97 | 2,4-dihydroxycinnamic acid | | *Aruncus dioicus* | | Rosaceae | | | [42] | |
| P-98 | 2,5-dihydroxybenzoic acid | | *Origanum vulgare* | | Lamiaceae | | | [9] | |
| P-99 | 3,3′,5,5′-tetrahydroxy-4-methoxystilbene | | *Yucca periculosa* | | Asparagaceae | | | [11] | |
| P-100 | 4- hydroxyacetophenone | | *Baccharis linearis* | | Asteraceae | | | [11] | |
| *Baccharis magellanica* | | Asteraceae | | | [11] | |
| *Baccharis umbelliformis* | | Asteraceae | | | [11] | |
| P-101 | 4-ethoxy-2,3-dihydroxy-4-oxobutyl 4-hydroxybenzoate | | *Protea magnifica* × *Protea susanne* | | Proteaceae | | | [6] | |
| P-102 | 6-hydroxy-4-(4-hydroxy- 3-methoxy-phenyl)-3-hydroxymethyl-7-methoxy-3,4-dihydro-2-naphthaldehyde | | *Vitex negundo* | | Verbenaceae | | | [3] | |
| *Vitex negundo* | | Verbenaceae | | | [3] | |
| P-103 | maltol | | *Abies koreana* | | Pinaceae | | | [43] | |
| P-104 | labd-3β,9β-diol-3α-D-glucopyranosyl-(2a→1b)-α-D-glucopyranosyl-(2b→1c)- α-D-glucopyranosyl-(2c→1d)-α-D-arabinofuranosyl-2d-p-hydroxybenzoate | | *Lycium chinense* | | Solanaceae | | | [44] | |
| P-105 | 3,4-dihydroxybenzoic acid 3-octadecanoyl-4-*O*-L-α-arabinopyranosyl (2a→1b)-2a-*O*-L-α-arabinopyranosyl (2b→1c)-2b-*O*-L-α-arabinopyranoside | | *Lycium chinense* | | Solanaceae | | | [44] | |
| P-106 | specnuzhenise | | *Ligustrum sinense* | | Oleaceae | | | [45] | |
| P-107 | armandiside | | *Syringa reticulata* | | Oleaceae | | | [46] | |
| P-108 | (+)-*S*-myricanol 5-*O*-β-D-glucopyranoside | | *Alnus japonica* | | Betulaceae | | | [4] | |
| P-109 | 2-(3,4-dihydroxy)-phenylethyl-β-D-glucopyranoside | | *Syringa reticulata* | | Oleaceae | | | [46] | |
| P-110 | 3’-formyl-6’,4-dihydroxy- 2’-methoxy-5’-methylchalcone 4’-O- β -D-glucopyranoside | | *Cleistocalyx operculatus* | | Myrtaceae | | | [10] | |
| P-111 | 3’hydroxybenzyl-4-hydroxybenzoate-4’-*O*-β-glucopyranoside | | *Pyrus calleryana* | | Rosaceae | | | [35] | |
| P-112 | 3-*O*-β-D-glucopyranoside of 3-hydroxy-1-(4’-hydroxy-3’-methoxyphenyl)-1-propanone | | *Pyrus pyrifolia* | | Rosaceae | | | [25] | |
| P-113 | alnuheptanoids B | | *Alnus japonica* | | Betulaceae | | | [4] | |
| P-114 | benzoyl-β-D-glucopyranoside | | *Prunus mume* | | Rosaceae | | | [2] | |
| P-115 | *cis*-miyabenol C 11a-*O*-β-D-glucopyranosyl-(1→6)-β-D-glucopyranoside, | | *Foeniculum vulgare* | | Apiaceae | | | [27] | |
| P-116 | hirsutanonol-5-*O*-β-D-glucopyranoside | | *Alnus japonica* | | Betulaceae | | | [13] | |
| P-117 | maltol 6’-*O*-(5-*O*-*p*-coumaroyl)-β-D-apiofuranosyl-β-D-glucopyranoside | | *Origanum vulgare* | | Lamiaceae | | | [9] | |
| P-118 | myricanol 11-*O*-β-D-glucopyranoside | | *Myrica adenophora* | | Myricaceae | | | [1] | |
| P-119 | myricanone 5-*O*-β-D-glucopyranoside | | *Alnus japonica* | | Betulaceae | | | [4] | |
| P-120 | *p*-hydroxyphenethyl-*O*-β-D-glucopyranoside | | *Ligustrum sinense* | | Oleaceae | | | [45] | |
| P-121 | protocatechuoylcalleryanin-3-*O*-β-glucopyranoside | | *Pyrus calleryana* | | Rosaceae | | | [35] | |
| P-122 | salidroside | | *Smilacis Glabrae* | | Smilacaceae | | | [12] | |
| P-123 | 2,6-di-*O*-galloylarbutin | | *Sedum takesimense* | | Crassulaceae | | | [18] | |
| P-124 | 3’,5’-di-*C*-β-glucopyranosylphloretin | | *Citrus japonica* | | Rutaceae | | | [47] | |
| P-125 | arbutin | | *Sedum takesimense* | | Crassulaceae | | | [18] | |
| P-126 | eleocharin B | | *Eleocharis tuberosa* | | Cyperaceae | | | [15] | |
| P-127 | amburoside A | | *Origanum vulgare* | | Lamiaceae | | | [9] | |
| P-128 | protocatechuic acid 3-*O*-glucoside | | *Pyrus calleryana* | | Rosaceae | | | [35] | |
| P-129 | sinapyl glucoside | | *Foeniculum vulgare* | | Apiaceae | | | [27] | |
| *Foeniculum vulgare* | | Apiaceae | | | [26] | |
| P-130 | (*E*)-piceid | | *Abies koreana* | | Pinaceae | | | [43] | |
| P-131 | jaspolyoside | | *Syringa reticulata* | | Oleaceae | | | [46] | |
| P-132 | sinalbin | | Cruciferae | | Brassicaceae | | | [48] | |
| P-133 | 3,4-dihydeoxyphenethyl alcohol | | *Ligustrum sinense* | | Oleaceae | | | [45] | |
| P-134 | 10-hydroxyloleuropein | | *Ligustrum sinense* | | Oleaceae | | | [45] | |
| P-135 | oleuropein | | *Syringa reticulata* | | Oleaceae | | | [46] | |
| P-136 | 1,2,3,4,6-penta-*O*-galloyl-β-D-glucopyranose | | *Toona sinensis* | | Meliaceae | | | [30] | |
| P-137 | syringaresinol-4,4″-*O*-bis-β-D-glucoside | | *Syringa reticulata* | | Oleaceae | | | [46] | |
| P-138 | isosyringinoside | | *Syringa reticulata* | | Oleaceae | | | [46] | |
| P-139 | dillapiole | | *Bunium Persicum* | | Apiaceae | | | [49] | |
| P-140 | methyleugenol | | *Rosmarinus officinalis* | | Lamiaceae | | | [50] | |
| P-141 | myristicin | | *Bunium Persicum* | | Apiaceae | | | [49] | |
| P-142 | phyllanthin | | *Phyllanthus urinaria* | | Phyllanthaceae | | | [34] | |
| P-143 | (*E*)-anethole | | *Nigella sativa* | | Ranunculaceae | | | [23] | |
| P-144 | 3,4,5-trimethoxyphenyl-β-D-glucopyranoside | | *Prunus mume* | | Rosaceae | | | [2] | |
| P-145 | syringin 4-*O*-β-glucoside | | *Foeniculum vulgare* | | Apiaceae | | | [26] | |
| P-146 | syringin | | *Viscum album* | | Loranthaceae | | | [2] | |
| P-147 | (+)-isolarisiresinol xylopyranoside | | *Pinus densiflora* | | Pinaceae | | | [51] | |
| P-148 | platyphyllonol-5- *O*-β-D-xylopyranoside | | *Alnus japonica* | | Betulaceae | | | [13] | |
| P-149 | alnuside A | | *Alnus japonica* | | Betulaceae | | | [13] | |
| P-150 | alnuside B | | *Alnus japonica* | | Betulaceae | | | [13] | |
| P-151 | alnuside C | | *Alnus japonica* | | Betulaceae | | | [13] | |
| P-152 | oregonin | | *Alnus japonica* | | Betulaceae | | | [13] | |
| P-153 | oregonin peracetate | | *Alnus japonica* | | Betulaceae | | | [13] | |
| P-154 | 11-*O*-β-D-xylopyranosylmyricanol | | *Myrica adenophora* | | Myricaceae | | | [1] | |
| P-155 | verminoside | | *Spathodea campanulata* | | Bignoniaceae | | | [52] | |
| P-156 | (7S”,8S”,8′S\*)-3,4,3′,4′-Tetramethoxy-9,7′-dihydroxy-8.8′,7.0.9′-lignan | | *Magnolia denudata* | | Magnoliaceae | | | [40] | |
| P-157 | γ-tocopherol | | *Salvadora persica* | | Salvadoraceae | | | [53] | |
| P-158 | α-tocopherol | | *Opuntia ficus-indica* | | Cactaceae | | | [54] | |
|  |  | | *Salvadora persica* | | Salvadoraceae | | | [53] | |
|  |  | | *Sideritis congesta* | | Lamiaceae | | | [17] | |
|  |  | | *Sideritis arguta* | | Lamiaceae | | | [17] | |

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