

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for Percutaneostimulant

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Abelmoschus moschatus | 1 | |
| Abelmoschus esculentus | 2 | 203780.0 |
| Abrus precatorius | 1 | |
| Abutilon theophrasti | 1 | |
| Acacia nilotica | 1 | |
| Acacia farnesiana | 1 | |
| Achillea millefolium | 1 | |
| Acrocomia totai | 1 | |
| Actaea racemosa | 1 | |
| Aesculus hippocastanum | 1 | |
| Ageratum conyzoides | 1 | |
| Akebia quinata | 1 | |
| Aleurites moluccana | 1 | 731160.0 |
| Aleurites fordii | 1 | 180000.0 |
| Alisma plantago-aquatica | 1 | |
| Alliaria petiolata | 1 | 30800.0 |
| Allium schoenoprasum | 2 | 21000.0 |
| Allium sativum var. sativum | 1 | |
| Allium cepa | 2 | 8920.0 |
| Aloe vera | 1 | |
| Althaea officinalis | 1 | |
| Ammi visnaga | 1 | |
| Ammi majus | 1 | |
| Amphicarpaea bracteata | 1 | |
| Anacardium occidentale | 2 | 1156009.0 |
| Anamirta cocculus | 1 | |
| Ananas comosus | 2 | 13778.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Anethum graveolens | 1 | 202738.0 |
| Angelica sinensis | 1 | |
| Angelica archangelica | 1 | |
| Annona reticulata | 1 | |
| Annona cherimola | 1 | 245000.0 |
| Apium graveolens | 2 | 344890.0 |
| Aquilegia vulgaris | 1 | 32280.0 |
| Arachis hypogaea | 2 | 1007915.0 |
| Aralia spinosa | 1 | |
| Arctium lappa | 1 | |
| Areca catechu | 1 | 83520.0 |
| Argemone mexicana | 1 | 171600.0 |
| Artemisia dracunculus | 1 | |
| Artocarpus altilis | 1 | |
| Asclepias syriaca | 1 | 95400.0 |
| Asimina triloba | 1 | 49560.0 |
| Asparagus officinalis | 2 | 3354.0 |
| Astrocaryum vulgare | 1 | |
| Azadirachta indica | 1 | 476100.0 |
| Bactris gasipaes | 1 | |
| Balanites aegyptiacus | 1 | 270000.0 |
| Benincasa hispida | 2 | 37940.0 |
| Bertholletia excelsa | 2 | 816200.0 |
| Beta vulgaris | 2 | 8696.0 |
| Bixa orellana | 1 | |
| Borago officinalis | 2 | |
| Brassica rapa | 2 | 2960.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|-------------------------------------|----------------|-----------|
| Brassica oleracea var. viridis l. | 1 | |
| Brassica oleracea var. sabellica l. | 2 | 13000.0 |
| Brassica oleracea var. italica | 1 | |
| Brassica oleracea var. gemmifera | 1 | 2714.0 |
| Brassica oleracea var. capitata l. | 1 | 3476.0 |
| Brassica oleracea var. botrytis l. | 2 | 11356.0 |
| Brassica oleracea | 2 | 3120.0 |
| Brassica nigra | 1 | 5890.0 |
| Brassica napus var. napobrassica | 2 | 9830.0 |
| Brassica chinensis | 1 | 5984.0 |
| Bryonia alba | 1 | |
| Bupleurum chinense | 1 | |
| Buxus sempervirens | 1 | |
| Cajanus cajan | 2 | 1032.0 |
| Calendula officinalis | 1 | 146000.0 |
| Calotropis sp. | 1 | 380000.0 |
| Camellia sinensis | 1 | |
| Camellia japonica | 1 | |
| Canarium indicum | 1 | 581264.0 |
| Cannabis sativa | 1 | 107400.0 |
| Capparis spinosa | 1 | 335524.0 |
| Capsicum frutescens | 1 | 1796.0 |
| Capsicum annuum | 1 | 7164.0 |
| Carapa guianensis | 1 | |
| Carica papaya | 2 | 414826.0 |
| Carthamus tinctorius | 1 | 413160.0 |
| Carum carvi | 2 | 191296.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|-----------------------------------|----------------|-----------|
| <i>Carya illinoensis</i> | 1 | |
| <i>Cassia tora</i> | 1 | 58608.0 |
| <i>Catalpa bignonioides</i> | 1 | |
| <i>Caulophyllum thalictroides</i> | 1 | |
| <i>Ceiba pentandra</i> | 1 | |
| <i>Centaurea calcitrapa</i> | 1 | |
| <i>Centaurium erythraea</i> | 1 | |
| <i>Centella asiatica</i> | 1 | |
| <i>Ceratonia siliqua</i> | 1 | |
| <i>Chamaelirium luteum</i> | 1 | |
| <i>Cicer arietinum</i> | 2 | 61130.0 |
| <i>Cichorium intybus</i> | 2 | 1216.0 |
| <i>Cichorium endivia</i> | 2 | 2576.0 |
| <i>Cimicifuga racemosa</i> | 1 | |
| <i>Cinnamomum verum</i> | 1 | |
| <i>Citrullus lanatus</i> | 1 | 378000.0 |
| <i>Citrullus colocynthis</i> | 1 | |
| <i>Citrus sinensis</i> | 1 | 3020.0 |
| <i>Citrus reticulata</i> | 1 | 4836.0 |
| <i>Citrus paradisi</i> | 1 | 2640.0 |
| <i>Citrus aurantiifolia</i> | 1 | 2720.0 |
| <i>Cnicus benedictus</i> | 1 | 372960.0 |
| <i>Cocos nucifera</i> | 2 | 117916.0 |
| <i>Coffea arabica</i> | 1 | 25600.0 |
| <i>Colocasia esculenta</i> | 2 | 18738.0 |
| <i>Corchorus olitorius</i> | 2 | 31990.0 |
| <i>Coriandrum sativum</i> | 1 | 335638.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Cornus mas | 1 | |
| Corylus avellana | 1 | 1145300.0 |
| Crescentia alata | 1 | |
| Crocus sativus | 1 | |
| Croton tiglium | 1 | 370000.0 |
| Cryptostegia grandifolia | 1 | 83050.0 |
| Cucumis sativus | 2 | 844530.0 |
| Cucumis melo | 1 | 792000.0 |
| Cucurbita spp | 2 | 9490.0 |
| Cucurbita pepo | 2 | 702791.0 |
| Cucurbita maxima | 1 | 256130.0 |
| Cucurbita foetidissima | 1 | |
| Cuminum cyminum | 1 | |
| Cyamopsis tetragonoloba | 1 | |
| Cydonia oblonga | 1 | |
| Cynara cardunculus | 2 | 1320.0 |
| Cyperus rotundus | 1 | |
| Datura stramonium | 1 | 372000.0 |
| Datura metel | 1 | 146000.0 |
| Daucus carota | 2 | 462890.0 |
| Dioscorea pentaphylla | 2 | 860.0 |
| Dipsacus fullonum | 1 | |
| Dipteryx odorata | 1 | 29800.0 |
| Dodonaea viscosa | 1 | 90630.0 |
| Echinacea angustifolia | 1 | |
| Elaeis oleifera | 1 | |
| Elaeis guineensis | 1 | |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Elettaria cardamomum | 2 | 125200.0 |
| Eriobotrya japonica | 1 | |
| Eruca sativa | 1 | |
| Erythrina crista-galli | 1 | 170000.0 |
| Eucalyptus globulus | 1 | |
| Eucommia ulmoides | 1 | |
| Euphorbia lathyris | 1 | 731000.0 |
| Euphorbia hirta | 1 | |
| Fagopyrum esculentum | 1 | 26400.0 |
| Ferula assa-foetida | 1 | |
| Ficus carica | 2 | 131436.0 |
| Foeniculum vulgare | 1 | 217424.0 |
| Fragaria spp | 2 | 44386.0 |
| Fucus vesiculosus | 1 | |
| Ganoderma lucidum | 1 | |
| Ginkgo biloba | 2 | 22836.0 |
| Glycine max | 2 | 240532.0 |
| Gossypium sp | 1 | 122540.0 |
| Harpagophytum procumbens | 1 | |
| Hedera helix | 1 | 140400.0 |
| Helianthus annuus | 2 | 556000.0 |
| Hibiscus sabdariffa | 1 | |
| Hippophae rhamnoides | 1 | |
| Holarrhena pubescens | 1 | 126000.0 |
| Hordeum vulgare | 1 | 29150.0 |
| Houttuynia cordata | 1 | |
| Hydnocarpus wightiana | 1 | 82220.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Hydnocarpus kurzii | 1 | 146000.0 |
| Hyoscyamus niger | 1 | 273856.0 |
| Ipomoea batatas | 2 | 1620.0 |
| Isatis tinctoria | 1 | 207360.0 |
| Jatropha curcas | 1 | 399360.0 |
| Juglans regia | 2 | 420600.0 |
| Juglans nigra | 2 | |
| Juglans cinerea | 2 | 429898.0 |
| Juniperus communis | 1 | |
| Justicia adhatoda | 1 | 257500.0 |
| Lablab purpureus | 1 | 15664.0 |
| Lactuca scariola | 1 | 260340.0 |
| Lactuca sativa | 2 | 7000.0 |
| Lagenaria siceraria | 1 | 194120.0 |
| Laurus nobilis | 1 | |
| Lawsonia inermis | 1 | 84720.0 |
| Lens culinaris | 2 | 21070.0 |
| Lentinus edodes | 1 | |
| Leonotis nepetaefolia | 1 | 490960.0 |
| Lepidium sativum | 2 | 373910.0 |
| Lepidium meyenii | 1 | |
| Ligustrum lucidum | 1 | |
| Ligustrum japonicum | 1 | |
| Linum usitatissimum | 1 | 240000.0 |
| Luffa aegyptiaca | 2 | 299600.0 |
| Lupinus albus | 2 | 167430.0 |
| Lycopersicon esculentum | 1 | 10248.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Lycopodium clavatum | 1 | 600000.0 |
| Macadamia spp | 2 | 2191780.0 |
| Maclura pomifera | 1 | |
| Magnolia kobus | 1 | |
| Malus domestica | 2 | 3612.0 |
| Mangifera indica | 2 | 16944.0 |
| Manihot esculenta | 2 | 13200.0 |
| Matricaria recutita | 1 | |
| Medicago sativa | 1 | |
| Mentha x piperita | 2 | |
| Mentha spicata | 2 | |
| Mimosa pudica | 1 | 105400.0 |
| Momordica charantia | 1 | 154752.0 |
| Monarda punctata | 1 | |
| Morinda citrifolia | 1 | |
| Moringa oleifera | 1 | |
| Morus alba | 1 | |
| Mucuna pruriens | 1 | 22800.0 |
| Murraya sp | 1 | |
| Musa x paradisiaca | 2 | 5284.0 |
| Myristica fragrans | 1 | 352000.0 |
| Myrrhis odorata | 1 | |
| Myrtus communis | 1 | |
| Nelumbo nucifera | 2 | 13312.0 |
| Nepeta cataria | 1 | |
| Nerium oleander | 1 | |
| Nicotiana tabacum | 1 | 245000.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Nigella sativa | 1 | 369824.0 |
| Ocimum tenuiflorum | 1 | |
| Ocimum sanctum | 1 | |
| Ocimum basilicum | 1 | |
| Oenothera biennis | 1 | 100000.0 |
| Olea europaea | 1 | 652800.0 |
| Opuntia ficus-indica | 1 | 32030.0 |
| Origanum vulgare | 1 | 10986.0 |
| Origanum majorana | 1 | 16000.0 |
| Oryza sativa | 1 | 16200.0 |
| Pachira aquatica | 1 | 498800.0 |
| Pachyrhizus erosus | 1 | |
| Panax quinquefolius | 1 | |
| Panax ginseng | 1 | |
| Papaver somniferum | 1 | 143744.0 |
| Papaver bracteatum | 1 | 88320.0 |
| Passiflora incarnata | 1 | |
| Passiflora edulis | 1 | |
| Pastinaca sativa | 2 | 326940.0 |
| Perilla frutescens | 1 | |
| Persea americana | 2 | 2129200.0 |
| Petasites hybridus | 1 | |
| Petroselinum crispum | 1 | 106000.0 |
| Phaseolus vulgaris | 2 | 24154.0 |
| Phaseolus lunatus | 2 | 6720.0 |
| Phoenix dactylifera | 1 | 102000.0 |
| Phyllanthus emblica | 1 | 90880.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Physalis peruviana | 1 | 53420.0 |
| Physostigma venenosum | 1 | |
| Pimpinella anisum | 1 | |
| Pinellia ternata | 1 | |
| Pinus walliciana | 1 | |
| Pinus pinea | 2 | |
| Pinus gerardiana | 1 | |
| Pinus edulis | 2 | |
| Piper nigrum | 1 | 30618.0 |
| Pistacia vera | 2 | 1459182.0 |
| Pisum sativum | 2 | 14932.0 |
| Plantago psyllium | 1 | 7056.0 |
| Plantago ovata | 1 | 38940.0 |
| Plantago major | 1 | 148000.0 |
| Plantago asiatica | 1 | |
| Portulaca oleracea | 1 | 104190.0 |
| Prosopis glandulosa | 1 | |
| Prunus persica | 2 | 11020.0 |
| Prunus laurocerasus | 1 | 44040.0 |
| Prunus dulcis | 2 | 826237.0 |
| Prunus domestica | 2 | 722118.0 |
| Prunus cerasus | 1 | 406864.0 |
| Prunus armeniaca | 2 | 827380.0 |
| Psidium guajava | 2 | 71198.0 |
| Psidium cattleianum | 2 | 11070.0 |
| Psophocarpus tetragonolobus | 2 | 325586.0 |
| Punica granatum | 1 | |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|---------------------------------|----------------|-----------|
| <i>Pyrus communis</i> | 2 | 20382.0 |
| <i>Quisqualis indica</i> | 1 | 260280.0 |
| <i>Raphanus sativus</i> | 2 | 12790.0 |
| <i>Rheum officinale</i> | 1 | |
| <i>Rhus toxicodendron</i> | 1 | |
| <i>Ribes uva-crispa</i> | 1 | 8408.0 |
| <i>Ribes rubrum</i> | 1 | 3488.0 |
| <i>Ribes nigrum</i> | 1 | 6204.0 |
| <i>Ricinus communis</i> | 1 | |
| <i>Robinia pseudoacacia</i> | 1 | 66500.0 |
| <i>Rosa rubiginosa</i> | 1 | |
| <i>Rosa canina</i> | 1 | |
| <i>Rosmarinus officinalis</i> | 2 | |
| <i>Rubus idaeus</i> | 2 | |
| <i>Ruta graveolens</i> | 1 | |
| <i>Salvia sp.</i> | 1 | |
| <i>Salvia sclarea</i> | 1 | 138012.0 |
| <i>Salvia officinalis</i> | 1 | 71000.0 |
| <i>Sambucus nigra</i> | 1 | |
| <i>Sambucus canadensis</i> | 1 | 25600.0 |
| <i>Santalum album</i> | 1 | |
| <i>Santalum acuminatum</i> | 1 | |
| <i>Sassafras albidum</i> | 1 | |
| <i>Satureja hortensis</i> | 1 | 100800.0 |
| <i>Schoenocaulon officinale</i> | 1 | |
| <i>Sclerocarya caffra</i> | 1 | 840000.0 |
| <i>Secale cereale</i> | 2 | |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| <i>Senna occidentalis</i> | 1 | 15964.0 |
| <i>Senna obtusifolia</i> | 1 | 27770.0 |
| <i>Serenoa repens</i> | 1 | |
| <i>Sesamum indicum</i> | 1 | 569088.0 |
| <i>Silybum marianum</i> | 1 | |
| <i>Simarouba glauca</i> | 1 | 776800.0 |
| <i>Sinapis alba</i> | 1 | 130712.0 |
| <i>Skimmia arborescens</i> | 1 | |
| <i>Smilax china</i> | 1 | |
| <i>Solanum tuberosum</i> | 2 | 286.0 |
| <i>Solanum nigrum</i> | 1 | 213710.0 |
| <i>Solanum melongena</i> | 2 | 4286.0 |
| <i>Sophora japonica</i> | 1 | 53960.0 |
| <i>Spartium junceum</i> | 1 | |
| <i>Spinacia oleracea</i> | 1 | 950.0 |
| <i>Stellaria media</i> | 1 | |
| <i>Sterculia urens</i> | 1 | 346268.0 |
| <i>Strophanthus gratus</i> | 1 | 180000.0 |
| <i>Strychnos nux-vomica</i> | 1 | 62000.0 |
| <i>Swertia chirata</i> | 1 | |
| <i>Tagetes minuta</i> | 1 | |
| <i>Tamarindus indica</i> | 2 | 50812.0 |
| <i>Taraxacum officinale</i> | 1 | |
| <i>Terminalia pallida</i> | 1 | |
| <i>Terminalia chebula</i> | 1 | 426000.0 |
| <i>Terminalia catappa</i> | 1 | 490000.0 |
| <i>Terminalia bellirica</i> | 1 | |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Tetragonia tetragonioides | 2 | 2670.0 |
| Teucrium polium | 1 | |
| Theobroma cacao | 1 | 444100.0 |
| Theobroma bicolor | 1 | |
| Theobroma angustifolium | 1 | |
| Thespesia populnea | 1 | |
| Thevetia peruviana | 1 | |
| Thevetia neriifolia | 1 | |
| Thuja occidentalis | 1 | |
| Thymus vulgaris | 1 | 10152.0 |
| Tilia sp. | 1 | |
| Tribulus terrestris | 1 | |
| Trichosanthes kirilowii | 1 | |
| Trichosanthes anguina | 1 | 215070.0 |
| Trifolium pratense | 1 | |
| Trigonella foenum-graecum | 1 | |
| Triticum aestivum | 1 | |
| Urtica dioica | 1 | 46230.0 |
| Valeriana officinalis | 1 | |
| Valeriana jatamansi | 1 | |
| Vanilla planifolia | 1 | |
| Verbascum thapsus | 1 | |
| Vernonia cinerea | 1 | |
| Viburnum prunifolium | 1 | |
| Viburnum opulus | 1 | |
| Vicia faba | 2 | 3580.0 |
| Vigna unguiculata | 2 | 21212.0 |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Vigna radiata | 2 | 16324.0 |
| Vigna mungo | 1 | 10400.0 |
| Vigna aconitifolia | 2 | 5712.0 |
| Virola surinamensis | 1 | |
| Vitellaria paradoxa | 1 | |
| Vitis vinifera | 2 | 152732.0 |
| Zea mays | 1 | 28870.0 |
| Zingiber officinale | 2 | 38800.0 |