

## Dr. Duke's Phytochemical and Ethnobotanical Databases

### List of Plants for Urinary-Acidulant

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Abelmoschus esculentus</i>	1	4680.0
<i>Acacia senegal</i>	1	
<i>Acacia nilotica</i>	1	
<i>Acacia farnesiana</i>	1	5272.0
<i>Acalypha indica</i>	1	
<i>Achillea millefolium</i>	1	6200.0
<i>Acorus calamus</i>	1	
<i>Actaea racemosa</i>	1	
<i>Actinidia chinensis</i>	1	12740.0
<i>Aegle marmelos</i>	1	
<i>Aesculus hippocastanum</i>	1	
<i>Agathosma betulina</i>	1	9800.0
<i>Albizia lebbek</i>	1	
<i>Aleurites moluccana</i>	1	
<i>Alliaria petiolata</i>	1	
<i>Allium schoenoprasum</i>	1	19750.0
<i>Allium sativum</i> var. <i>sativum</i>	1	18664.0
<i>Allium cepa</i>	1	10000.0
<i>Allium ampeloprasum</i>	1	13254.0
<i>Alocasia macrorrhiza</i>	1	1244.0
<i>Aloe vera</i>	1	12520.0
<i>Aloe</i> spp.	1	
<i>Alpinia galanga</i>	1	3688.0
<i>Althaea officinalis</i>	1	3280.0
<i>Amaranthus spinosus</i>	1	
<i>Amaranthus</i> sp.	1	12526.0
<i>Amorphophallus campanulatus</i>	1	558.0

Plants with Activity Synergy	Chemical Count	Total PPM
Anacardium occidentale	1	40956.0
Ananas comosus	1	8356.0
Anethum graveolens	1	2880.0
Angelica sinensis	1	608.0
Annona squamosa	1	3200.0
Annona reticulata	1	2800.0
Annona muricata	1	3080.0
Annona glabra	1	
Annona diversifolia	1	
Annona cherimola	1	1450.0
Apium graveolens	1	7696.0
Arachis hypogaea	1	9496.0
Aralia cordata	1	2130.0
Arctium lappa	1	236.0
Arctostaphylos uva-ursi	1	382.0
Areca catechu	1	
Armoracia rusticana	1	49589.0
Arracacia xanthorrhiza	1	2140.0
Artemisia vulgaris	1	11340.0
Artemisia dracunculus	1	1176.0
Artemisia absinthium	1	5200.0
Artocarpus heterophyllus	1	870.0
Artocarpus altilis	1	3230.0
Asimina triloba	1	1786.0
Aspalathus linearis	1	
Asparagus officinalis	1	11428.0
Astragalus membranaceus	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Avena sativa	1	
Averrhoa carambola	1	
Averrhoa bilimbi	1	
Bacopa monnieri	1	
Bactris gasipaes	1	
Balanites aegyptiacus	1	780.0
Barosma betulina	1	9800.0
Basella alba	1	29570.0
Benincasa hispida	1	13500.0
Berberis vulgaris	1	
Bertholletia excelsa	1	14.0
Beta vulgaris	1	9128.0
Bixa orellana	1	260.0
Blighia sapida	1	8530.0
Boehmeria nivea	1	11230.0
Borago officinalis	1	10010.0
Brassica rapa	1	5160.0
Brassica oleracea var. viridis l.	1	7638.0
Brassica oleracea var. sabellica l.	1	15440.0
Brassica oleracea var. italica	1	
Brassica oleracea var. gemmifera	1	12138.0
Brassica oleracea var. capitata l.	1	13548.0
Brassica oleracea var. botrytis l.	1	39320.0
Brassica oleracea	1	13780.0
Brassica nigra	1	8026.0
Brassica napus var. napobrassica	1	4830.0
Brassica chinensis	1	19426.0

Plants with Activity Synergy	Chemical Count	Total PPM
Bromelia pinguin	1	6860.0
Brosimum alicastrum	1	
Bupleurum chinense	1	
Byrsonima crassifolia	1	
Cajanus cajan	1	5760.0
Calathea macrosepala	1	
Calendula officinalis	1	6200.0
Camellia sinensis	1	
Canavalia ensiformis	1	3022.0
Canna indica	1	420.0
Cannabis sativa	1	
Capparis spinosa	1	4600.0
Capsella bursa-pastoris	1	11000.0
Capsicum frutescens	1	42992.0
Capsicum annuum	1	41964.0
Carica pentagona	1	
Carica papaya	1	22917.0
Carthamus tinctorius	1	
Carya illinoensis	1	42.0
Casimiroa edulis	1	
Catha edulis	1	3220.0
Caulophyllum thalictroides	1	103.5
Centella asiatica	1	1024.0
Cephaelis ipecacuanha	1	
Chamaemelum nobile	1	534.0
Chenopodium ambrosioides	1	2040.0
Chenopodium album	1	18000.0

Plants with Activity Synergy	Chemical Count	Total PPM
Chondrus crispus	1	260.0
Chrysanthemum parthenium	1	660.0
Chrysanthemum coronarium	1	18260.0
Chrysobalanus icaco	1	
Chrysophyllum cainito	1	
Cicer arietinum	1	112.0
Cichorium intybus	1	4580.0
Cichorium endivia	1	18604.0
Cimicifuga racemosa	1	156.0
Cinnamomum verum	1	618.0
Cinnamomum aromaticum	1	618.0
Citrullus lanatus	1	
Citrullus colocynthis	1	244.0
Citrus sinensis	1	8142.0
Citrus reticulata	1	7368.0
Citrus paradisi	1	7724.0
Citrus mitis	1	
Citrus limon	1	11132.0
Citrus aurantium	1	13894.0
Citrus aurantiifolia	1	8888.0
Cnicus benedictus	1	60.0
Cnidioscolus chayamansa	1	24400.0
Coccinia grandis	1	
Cocos nucifera	1	176.0
Coix lacryma-jobi	1	
Cola acuminata	1	2912.0
Colocasia esculenta	1	7900.0

Plants with Activity Synergy	Chemical Count	Total PPM
Corchorus olitorius	1	8160.0
Coriandrum sativum	1	12580.0
Corylus avellana	1	44.0
Crataegus rhipidophylla	1	
Crataegus laevigata	1	3770.0
Cucumis melo	1	8740.0
Cucurbita spp	1	4680.0
Cucurbita pepo	1	13688.0
Cuminum cyminum	1	152.0
Curcuma longa	1	586.0
Cyamopsis tetragonoloba	1	
Cyclanthera pedata	1	5600.0
Cydonia oblonga	1	1920.0
Cynara cardunculus	1	1656.0
Cyperus rotundus	1	180.0
Cyphomandra betacea	1	4120.0
Cyrtosperma chamissonis	1	1524.0
Datura stramonium	1	
Datura metel	1	4440.0
Daucus carota	1	1550.0
Dioscorea villosa	1	
Dioscorea sp.	1	388.0
Dioscorea pentaphylla	1	280.0
Dioscorea alata	1	200.0
Diospyros virginiana	1	3710.0
Diospyros digyna	1	
Duchesnea indica	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Durio zibethinus	1	
Echinacea spp	1	5966.0
Echinacea purpurea	1	
Elaeagnus umbellatus	1	
Elaeagnus commutata	1	
Elaeagnus angustifolia	1	
Elaeis guineensis	1	
Eleocharis dulcis	1	
Eleutherococcus senticosus	1	
Ephedra sinica	1	1442.0
Equisetum arvense	1	8145.0
Eriobotrya japonica	1	1680.0
Eriodictyon californicum	1	
Eryngium floridanum	1	3916.0
Erythrina fusca	1	1560.0
Erythrina berteroana	1	4680.0
Erythroxyllum coca	1	30.0
Eugenia uniflora	1	
Eugenia floribunda	1	
Eugenia brasiliensis	1	
Eupatorium perfoliatum	1	
Euphorbia hirta	1	886.0
Euphrasia officinalis	1	134.0
Fagopyrum esculentum	1	
Feijoa sellowiana	1	
Ficus carica	1	8376.0
Filipendula ulmaria	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Foeniculum vulgare	1	6296.0
Fragaria spp	1	22596.0
Frangula purshiana	1	
Fucus vesiculosus	1	516.0
Garcinia mangostana	1	
Genipa americana	1	2040.0
Gentiana lutea	1	366.0
Ginkgo biloba	1	1090.0
Gliricidia sepium	1	6290.0
Glycine max	1	5480.0
Glycyrrhiza glabra	1	1252.0
Gymnema sylvestre	1	
Harpagophytum procumbens	1	
Helianthus tuberosus	1	612.0
Hibiscus sabdariffa	1	8861.0
Hibiscus rosa-sinensis	1	
Hippophae rhamnoides	1	
Hordeum vulgare	1	6600.0
Humulus lupulus	1	3564.0
Hydrangea arborescens	1	
Hydrastis canadensis	1	1362.0
Hylocereus undatus	1	
Hylocereus guatemalensis	1	
Hypericum perforatum	1	3390.0
Inga edulis	1	
Inula helenium	1	
Ipomoea batatas	1	10840.0



Plants with Activity Synergy	Chemical Count	Total PPM
<i>Ipomoea aquatica</i>	1	14600.0
<i>Iris x germanica</i>	1	19860.0
<i>Juglans regia</i>	1	56104.0
<i>Juglans nigra</i>	1	
<i>Juniperus communis</i>	1	1200.0
<i>Justicia pectoralis</i>	1	3734.0
<i>Lablab purpureus</i>	1	2253.2
<i>Lactuca sativa</i>	1	6000.0
<i>Lagenaria siceraria</i>	1	5190.0
<i>Larrea tridentata</i>	1	1520.0
<i>Lens culinaris</i>	1	1350.0
<i>Leonurus cardiaca</i>	1	84.0
<i>Lepidium sativum</i>	1	13020.0
<i>Lepidium meyenii</i>	1	
<i>Licania platypus</i>	1	
<i>Limonia acidissima</i>	1	
<i>Lobelia inflata</i>	1	4504.0
<i>Luffa aegyptiaca</i>	1	23992.0
<i>Lycium chinense</i>	1	1538.0
<i>Lycopersicon esculentum</i>	1	5904.0
<i>Lycopus europeus</i>	1	
<i>Macadamia spp</i>	1	
<i>Maclura pomifera</i>	1	
<i>Malpighia glabra</i>	1	344462.0
<i>Malus domestica</i>	1	804.0
<i>Malva sylvestris</i>	1	5710.0
<i>Malva parviflora</i>	1	9490.0

Plants with Activity Synergy	Chemical Count	Total PPM
Malva neglecta	1	2350.0
Mammea americana	1	
Mangifera indica	1	8380.0
Manihot esculenta	1	23060.0
Manilkara zapota	1	
Maranta arundinacea	1	430.0
Marrubium vulgare	1	
Matricaria recutita	1	
Mauritia flexuosa	1	
Medicago sativa	1	10834.0
Melicoccus bijugatas	1	
Mentha x piperita	1	
Mentha spicata	1	
Menyanthes trifoliata	1	4094.0
Mimosa pudica	1	5140.0
Mimulus glabratus	1	4400.0
Momordica charantia	1	97718.0
Morinda citrifolia	1	4640.0
Moringa oleifera	1	
Morus alba	1	8080.0
Muntingia calabura	1	
Murraya sp	1	1192.0
Murraya koenigii	1	
Musa x paradisiaca	1	3723.0
Myrciaria dubia	1	
Myrciaria cauliflora	1	
Myrica cerifera	1	1312.0

Plants with Activity Synergy	Chemical Count	Total PPM
Nandina domestica	1	
Nasturtium officinale	1	27380.0
Nelumbo nucifera	1	30.0
Nepeta cataria	1	
Nigella sativa	1	5154.0
Ocimum tenuiflorum	1	
Ocimum sanctum	1	
Ocimum basilicum	1	2612.0
Opuntia ficus-indica	1	3380.0
Origanum vulgare	1	
Origanum majorana	1	1110.0
Oryza sativa	1	
Oxalis tuberosa	1	4568.0
Pachira macrocarpa	1	510.0
Pachyrhizus erosus	1	3690.0
Panax quinquefolius	1	78.0
Panax ginseng	1	
Papaver somniferum	1	
Parthenium integrifolium	1	
Passiflora quadrangularis	1	6750.0
Passiflora mollissima	1	
Passiflora ligularis	1	
Passiflora incarnata	1	
Passiflora foetida	1	
Passiflora edulis	1	
Pastinaca sativa	1	1660.0
Peperomia pereskiaifolia	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Peperomia pelucida	1	
Pereskia aculeata	1	
Perideridia gairdneri	1	604.0
Perilla frutescens	1	6972.0
Persea schiedeana	1	
Persea americana	1	1988.0
Petasites japonicus	1	11450.0
Petroselinum crispum	1	15390.0
Phaseolus vulgaris	1	30120.0
Phaseolus lunatus	1	2292.0
Phaseolus coccineus	1	586.0
Phaseolus acutifolius	1	
Phoenix dactylifera	1	1500.0
Phragmites australis	1	
Phyllanthus emblica	1	54586.0
Phyllanthus acidus	1	2558.0
Physalis peruviana	1	5730.0
Physalis ixocarpa	1	920.0
Physalis alkekingi	1	8000.0
Phytolacca americana	1	32368.0
Pimenta dioica	1	4134.0
Pimpinella anisum	1	18.0
Pinus sylvestris	1	6000.0
Pinus edulis	1	
Pinus cembroides	1	
Piper nigrum	1	20.0
Piper betel	1	4260.0

Plants with Activity Synergy	Chemical Count	Total PPM
Piper auritum	1	6740.0
Pisum sativum	1	18954.0
Plantago psyllium	1	
Plantago major	1	
Platonia insignis	1	
Platycodon grandiflorum	1	
Plectranthus amboinicus	1	
Polygonum multiflorum	1	
Polymnia edulis	1	2800.0
Portulaca oleracea	1	14000.0
Pothomorphe sp.	1	
Pourouma cecropiaefolia	1	
Pouteria viridis	1	
Pouteria campechiana	1	
Pouteria caimito	1	
Prunus salicifolia	1	
Prunus persica	1	2254.0
Prunus dulcis	1	26.0
Prunus domestica	1	1398.0
Prunus cerasus	1	1746.0
Prunus armeniaca	1	1490.0
Psidium guajava	1	32615.0
Psidium cattleianum	1	4200.0
Psophocarpus tetragonolobus	1	380.0
Psoralea esculenta	1	342.0
Punica granatum	1	1272.0
Pyrus communis	1	500.0

Plants with Activity Synergy	Chemical Count	Total PPM
Quararibea cordata	1	
Quercus alba	1	254.0
Raphanus sativus	1	42162.0
Rhamnus cathartica	1	
Rheum rhabarbarum	1	8828.0
Rhodymenia palmata	1	240.0
Ribes uva-crispa	1	4794.0
Ribes rubrum	1	5108.0
Ribes nigrum	1	20060.0
Rollinia mucosa	1	
Rosa spp	1	25000.0
Rosa rubiginosa	1	25000.0
Rosa multiflora	1	4000.0
Rosa gallica	1	16940.0
Rosa canina	1	32400.0
Rosmarinus officinalis	1	1346.0
Rubus idaeus	1	7940.0
Rubus fruticosus	1	
Rumex crispus	1	8108.0
Rumex acetosella	1	24000.0
Rumex acetosa	1	24800.0
Ruscus aculeatus	1	277.0
Ruta graveolens	1	9580.0
Salix alba	1	136.0
Salvia officinalis	1	700.0
Sambucus nigra	1	
Sambucus canadensis	1	3564.0

Plants with Activity Synergy	Chemical Count	Total PPM
Schisandra chinensis	1	2044.0
Sclerocarya caffra	1	16380.0
Scutellaria lateriflora	1	2050.0
Sechium edule	1	12060.0
Senna alexandrina	1	
Serenoa repens	1	
Sicana odorifera	1	
Sida rhombifolia	1	9090.0
Silybum marianum	1	
Sinapis alba	1	
Smilax spp	1	
Smilax officinalis	1	
Solanum tuberosum	1	1980.0
Solanum torvum	1	550.0
Solanum quitoensis	1	
Solanum nigrum	1	8134.0
Solanum melongena	1	13512.0
Sonchus oleraceus	1	1250.0
Sophora japonica	1	940.0
Sorbus aucubaria	1	5300.0
Spinacia oleracea	1	15190.0
Spirulina spp.	1	
Spirulina pratensis	1	
Spondias purpurea	1	4050.0
Spondias pinnata	1	4330.0
Spondias mombin	1	3230.0
Spondias dulcis	1	5500.0

Plants with Activity Synergy	Chemical Count	Total PPM
Stachys officinalis	1	
Stellaria media	1	5569.0
Stevia rebaudiana	1	220.0
Symphytum officinale	1	264.0
Syringa vulgaris	1	
Syzygium malaccense	1	
Syzygium jambos	1	
Syzygium cumini	1	
Syzygium aromaticum	1	1620.0
Tabebuia heptaphylla	1	362.0
Tamarindus indica	1	2896.0
Tanacetum parthenium	1	
Taraxacum officinale	1	9702.0
Terminalia chebula	1	1840.0
Terminalia catappa	1	
Tetragonia tetragonioides	1	10000.0
Theobroma speciosum	1	
Theobroma cacao	1	62.0
Theobroma bicolor	1	
Thuja occidentalis	1	
Thymus vulgaris	1	
Tilia sp.	1	
Tragopogon porrifolius	1	982.0
Tribulus terrestris	1	
Trichosanthes anguina	1	
Trifolium pratense	1	5932.0
Trigonella foenum-graecum	1	1676.0



Plants with Activity Synergy	Chemical Count	Total PPM
<i>Triticum aestivum</i>	1	
<i>Tropaeolum tuberosum</i>	1	9600.0
<i>Tropaeolum majus</i>	1	15100.0
<i>Tulipa gesneriana</i>	1	
<i>Turnera diffusa</i>	1	1966.0
<i>Ullucus tuberosus</i>	1	3500.0
<i>Ulmus rubra</i>	1	
<i>Urtica dioica</i>	1	1660.0
<i>Vaccinium vitis-idaea</i>	1	3730.0
<i>Vaccinium myrtillus</i>	1	3300.0
<i>Vaccinium macrocarpon</i>	1	2203.0
<i>Vaccinium corymbosum</i>	1	1756.0
<i>Valeriana officinalis</i>	1	
<i>Verbascum thapsus</i>	1	1552.0
<i>Viburnum opulus</i>	1	
<i>Vicia faba</i>	1	5110.0
<i>Vigna unguiculata</i>	1	12346.0
<i>Vigna radiata</i>	1	3118.0
<i>Vigna mungo</i>	1	896.0
<i>Vigna angularis</i>	1	
<i>Vigna aconitifolia</i>	1	88.0
<i>Viscum album</i>	1	15000.0
<i>Vitis vinifera</i>	1	9560.0
<i>Yucca baccata</i>	1	262.0
<i>Zea mays</i>	1	192.0
<i>Zingiber officinale</i>	1	634.0
<i>Zizyphus spina-christi</i>	1	660.0

Plants with Activity Synergy	Chemical Count	Total PPM
Zizyphus jujuba	1	7764.0