

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for Photosensitizer**

| Plants with Activity Synergy   | Chemical Count | Total PPM |
|--------------------------------|----------------|-----------|
| <i>Abies spectabilis</i>       | 1              |           |
| <i>Abies balsamea</i>          | 1              | 3100.0    |
| <i>Abies alba</i>              | 1              | 2394.0    |
| <i>Achillea millefolium</i>    | 1              | 340.0     |
| <i>Acinos suaveolens</i>       | 1              |           |
| <i>Acorus calamus</i>          | 1              | 2800.0    |
| <i>Aeolanthus myriantha</i>    | 1              |           |
| <i>Agastache urticifolia</i>   | 1              | 4928.0    |
| <i>Agastache nepetoides</i>    | 1              |           |
| <i>Agastache foeniculum</i>    | 1              |           |
| <i>Ageratum conyzoides</i>     | 1              |           |
| <i>Aloysia citrodora</i>       | 1              | 2100.0    |
| <i>Alpinia officinarum</i>     | 1              |           |
| <i>Alpinia galanga</i>         | 1              |           |
| <i>Amomum compactum</i>        | 1              |           |
| <i>Anacardium occidentale</i>  | 1              |           |
| <i>Anethum graveolens</i>      | 1              |           |
| <i>Angelica archangelica</i>   | 1              | 2640.0    |
| <i>Annona squamosa</i>         | 1              |           |
| <i>Apium graveolens</i>        | 1              | 1438000.0 |
| <i>Armoracia rusticana</i>     | 1              |           |
| <i>Artemisia dracuncululus</i> | 1              |           |
| <i>Artemisia annua</i>         | 1              |           |
| <i>Asarum canadense</i>        | 1              |           |
| <i>Asiasarum sieboldii</i>     | 1              |           |
| <i>Asimina triloba</i>         | 1              | 1.096     |
| <i>Avena sativa</i>            | 1              |           |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Boswellia sacra              | 1              |           |
| Bursera delpechiana          | 1              | 720.0     |
| Calamintha nepeta            | 1              |           |
| Callicarpa americana         | 1              |           |
| Camellia sinensis            | 1              |           |
| Capsicum frutescens          | 1              |           |
| Capsicum annuum              | 1              |           |
| Carthamus tinctorius         | 1              | 0.04      |
| Carum carvi                  | 1              | 61200.0   |
| Centella asiatica            | 1              |           |
| Chamaemelum nobile           | 1              |           |
| Chenopodium ambrosioides     | 1              |           |
| Chrysanthemum parthenium     | 1              |           |
| Chrysanthemum balsamita      | 1              |           |
| Cinnamomum verum             | 1              | 368.0     |
| Cinnamomum camphora          | 1              | 240.0     |
| Cinnamomum aromaticum        | 1              |           |
| Cistus ladaniferus           | 1              | 2380.0    |
| Citrullus colocynthis        | 1              |           |
| Citrus sinensis              | 1              | 19956.0   |
| Citrus reticulata            | 1              | 18800.0   |
| Citrus paradisi              | 1              |           |
| Citrus mitis                 | 1              |           |
| Citrus limon                 | 1              |           |
| Citrus aurantium             | 1              | 16220.0   |
| Citrus aurantiifolia         | 1              | 15000.0   |
| Cleonia lusitanica           | 1              |           |

| Plants with Activity Synergy    | Chemical Count | Total PPM |
|---------------------------------|----------------|-----------|
| <i>Cocos nucifera</i>           | 1              |           |
| <i>Collinsonia canadensis</i>   | 1              |           |
| <i>Commiphora myrrha</i>        | 1              |           |
| <i>Coriandrum sativum</i>       | 1              | 2476.0    |
| <i>Coridothymus capitatus</i>   | 1              |           |
| <i>Crocus sativus</i>           | 1              |           |
| <i>Cuminum cyminum</i>          | 1              | 1392.0    |
| <i>Cunila origanoides</i>       | 1              | 280.0     |
| <i>Curcuma longa</i>            | 1              |           |
| <i>Cymbopogon parkeri</i>       | 1              | 1268.0    |
| <i>Cymbopogon martinii</i>      | 1              |           |
| <i>Cymbopogon flexuosus</i>     | 1              |           |
| <i>Cymbopogon citratus</i>      | 1              |           |
| <i>Daucus carota</i>            | 1              | 3352.0    |
| <i>Dictamnus hispanicus</i>     | 1              |           |
| <i>Dictamnus albus</i>          | 1              |           |
| <i>Dracocephalum thymiflora</i> | 1              | 20.0      |
| <i>Echinacea spp</i>            | 1              |           |
| <i>Elettaria cardamomum</i>     | 1              | 18962.0   |
| <i>Elsholtzia polystachya</i>   | 1              |           |
| <i>Elsholtzia nipponica</i>     | 1              |           |
| <i>Elsholtzia eriostachya</i>   | 1              |           |
| <i>Elsholtzia blanda</i>        | 1              |           |
| <i>Ephedra sinica</i>           | 1              |           |
| <i>Eruca sativa</i>             | 1              |           |
| <i>Eucalyptus viridis</i>       | 1              |           |
| <i>Eucalyptus tetraptera</i>    | 1              |           |

| Plants with Activity Synergy   | Chemical Count | Total PPM |
|--------------------------------|----------------|-----------|
| <i>Eucalyptus tereticornis</i> | 1              |           |
| <i>Eucalyptus stoatei</i>      | 1              |           |
| <i>Eucalyptus sparsa</i>       | 1              |           |
| <i>Eucalyptus sideroxylon</i>  | 1              |           |
| <i>Eucalyptus siderophloia</i> | 1              |           |
| <i>Eucalyptus saligna</i>      | 1              |           |
| <i>Eucalyptus punctata</i>     | 1              |           |
| <i>Eucalyptus porosa</i>       | 1              |           |
| <i>Eucalyptus populnea</i>     | 1              |           |
| <i>Eucalyptus polyanthemos</i> | 1              |           |
| <i>Eucalyptus oviformis</i>    | 1              |           |
| <i>Eucalyptus odorata</i>      | 1              |           |
| <i>Eucalyptus ochrophloia</i>  | 1              |           |
| <i>Eucalyptus occidentalis</i> | 1              |           |
| <i>Eucalyptus nova-anglica</i> | 1              |           |
| <i>Eucalyptus moluccana</i>    | 1              |           |
| <i>Eucalyptus melliodora</i>   | 1              |           |
| <i>Eucalyptus melanophloia</i> | 1              |           |
| <i>Eucalyptus maideni</i>      | 1              |           |
| <i>Eucalyptus maculata</i>     | 1              |           |
| <i>Eucalyptus leucoxylon</i>   | 1              |           |
| <i>Eucalyptus largisparsa</i>  | 1              |           |
| <i>Eucalyptus lansdowneana</i> | 1              |           |
| <i>Eucalyptus intertexta</i>   | 1              |           |
| <i>Eucalyptus incrassata</i>   | 1              |           |
| <i>Eucalyptus globulus</i>     | 1              |           |
| <i>Eucalyptus forrestiana</i>  | 1              |           |

| Plants with Activity Synergy     | Chemical Count | Total PPM |
|----------------------------------|----------------|-----------|
| <i>Eucalyptus fasciculosa</i>    | 1              |           |
| <i>Eucalyptus erythrandra</i>    | 1              |           |
| <i>Eucalyptus dolichorhyncha</i> | 1              |           |
| <i>Eucalyptus diversicolor</i>   | 1              |           |
| <i>Eucalyptus desquamata</i>     | 1              |           |
| <i>Eucalyptus dealbata</i>       | 1              |           |
| <i>Eucalyptus cuprea</i>         | 1              |           |
| <i>Eucalyptus cladocalyx</i>     | 1              |           |
| <i>Eucalyptus citriodora</i>     | 1              | 2840.0    |
| <i>Eucalyptus ceratocorys</i>    | 1              |           |
| <i>Eucalyptus camaldulensis</i>  | 1              |           |
| <i>Eucalyptus bridgesiana</i>    | 1              |           |
| <i>Eucalyptus brassiana</i>      | 1              |           |
| <i>Eucalyptus botryoides</i>     | 1              |           |
| <i>Eucalyptus bosistoana</i>     | 1              |           |
| <i>Eucalyptus blakelyi</i>       | 1              |           |
| <i>Eucalyptus behriana</i>       | 1              |           |
| <i>Eucalyptus astringens</i>     | 1              |           |
| <i>Eucalyptus angulosa</i>       | 1              |           |
| <i>Eucalyptus albens</i>         | 1              |           |
| <i>Euodia rutaecarpa</i>         | 1              |           |
| <i>Ferula gummosa</i>            | 1              |           |
| <i>Foeniculum vulgare</i>        | 1              | 22440.0   |
| <i>Glechoma hederacea</i>        | 1              | 12.0      |
| <i>Hedeoma reverchonii</i>       | 1              | 736.0     |
| <i>Hedeoma pulegioides</i>       | 1              | 1140.0    |
| <i>Hedeoma hispida</i>           | 1              | 72.0      |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Hedeoma drummondii           | 1              | 820.0     |
| Hedychium flavum             | 1              |           |
| Helianthus annuus            | 1              |           |
| Hesperis matronalis          | 1              |           |
| Hibiscus sabdariffa          | 1              |           |
| Humulus lupulus              | 1              |           |
| Hypericum perforatum         | 1              |           |
| Hyptis suaveolens            | 1              | 780.0     |
| Hyssopus officinalis         | 1              | 828.0     |
| Illicium verum               | 1              | 10440.0   |
| Isanthus brachiatus          | 1              | 40.0      |
| Juniperus virginiana         | 1              |           |
| Juniperus communis           | 1              | 1820.0    |
| Lantana camara               | 2              | 14000.0   |
| Laurus nobilis               | 1              | 1000.0    |
| Lavandula x intermedia       | 1              | 280.0     |
| Lavandula x hybrida          | 1              |           |
| Lavandula latifolia          | 1              | 594.0     |
| Lavandula angustifolia       | 1              |           |
| Leonotis leonurus            | 1              |           |
| Leonurus cardiaca            | 1              | 4.0       |
| Lepechinia calycina          | 1              | 230.0     |
| Levisticum officinale        | 1              | 160.0     |
| Lindera benzoin              | 1              |           |
| Lippia alba                  | 1              |           |
| Litsea glaucescens           | 1              |           |
| Lycopus virginicus           | 1              | 52.0      |

| Plants with Activity Synergy                   | Chemical Count | Total PPM |
|--|----------------|-----------|
| <i>Lycopus uniflorus</i>                       | 1              | 348.0     |
| <i>Magnolia fargesii</i>                       | 1              |           |
| <i>Magnolia denudata</i>                       | 1              |           |
| <i>Mangifera indica</i>                        | 1              |           |
| <i>Marrubium vulgare</i>                       | 1              |           |
| <i>Melaleuca leucadendra</i>                   | 1              |           |
| <i>Melaleuca cajuputi</i>                      | 1              |           |
| <i>Melaleuca alternifolia</i>                  | 1              |           |
| <i>Melissa officinalis</i>                     | 1              |           |
| <i>Mentha x rotundifolia</i>                   | 1              | 1000.0    |
| <i>Mentha x piperita</i>                       | 1              | 640.0     |
| <i>Mentha spicata</i>                          | 1              | 18150.0   |
| <i>Mentha sp</i>                               | 1              |           |
| <i>Mentha pulegium</i>                         | 1              | 4696.0    |
| <i>Mentha longifolia</i>                       | 1              | 3840.0    |
| <i>Mentha arvensis</i> var. <i>piperascens</i> | 1              |           |
| <i>Mentha aquatica</i>                         | 1              | 1428.0    |
| <i>Micromeria varia</i>                        | 1              |           |
| <i>Micromeria thymifolia</i>                   | 1              |           |
| <i>Micromeria teneriffae</i>                   | 1              |           |
| <i>Micromeria myrtifolia</i>                   | 1              |           |
| <i>Micromeria juliana</i>                      | 1              |           |
| <i>Micromeria fruticosa</i>                    | 1              |           |
| <i>Micromeria croatica</i>                     | 1              |           |
| <i>Micromeria congesta</i>                     | 1              |           |
| <i>Minthostachys mollis</i>                    | 1              |           |
| <i>Moldavica thymiflora</i>                    | 1              |           |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Monarda russeliana           | 1              | 208.0     |
| Monarda punctata             | 1              | 5748.0    |
| Monarda media                | 1              | 2968.0    |
| Monarda lindheimeri          | 1              | 188.0     |
| Monarda fistulosa            | 1              | 1178.0    |
| Monarda didyma               | 1              | 2700.0    |
| Monarda clinopodia           | 1              | 574.0     |
| Monarda citriodora           | 1              | 180.0     |
| Morinda citrifolia           | 1              |           |
| Murraya koenigii             | 1              |           |
| Myrica cerifera              | 1              |           |
| Myristica fragrans           | 1              | 11520.0   |
| Myrrhis odorata              | 1              |           |
| Myrtus communis              | 1              | 1170.0    |
| Nepeta racemosa              | 1              |           |
| Nepeta cataria               | 1              |           |
| Ocimum tenuiflorum           | 1              |           |
| Ocimum kilimandscharicum     | 1              |           |
| Ocimum gratissimum           | 1              |           |
| Ocimum basilicum             | 1              | 954.0     |
| Origanum vulgare             | 1              | 960.0     |
| Origanum syriacum            | 1              |           |
| Origanum sipyleum            | 1              |           |
| Origanum onites              | 1              | 34.0      |
| Origanum minutiflorum        | 1              |           |
| Origanum majorana            | 1              | 1813.0    |
| Panax ginseng                | 1              |           |



| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Pastinaca sativa             | 1              |           |
| Pelargonium citrosum         | 1              |           |
| Perilla frutescens           | 1              |           |
| Petroselinum crispum         | 1              | 2972.0    |
| Peumus boldus                | 1              | 800.0     |
| Phyllanthus niruri           | 1              |           |
| Pilocarpus microphyllus      | 1              | 100.0     |
| Pilocarpus jaborandi         | 1              | 4700.0    |
| Pimenta racemosa             | 1              | 13740.0   |
| Pimenta dioica               | 1              | 43.0      |
| Pimpinella anisum            | 1              | 918.0     |
| Pinus sylvestris             | 1              |           |
| Piper nigrum                 | 1              |           |
| Piper cubeba                 | 1              |           |
| Piper auritum                | 1              |           |
| Plectranthus incanus         | 1              |           |
| Pogostemon cablin            | 1              |           |
| Porophyllum ruderale         | 1              |           |
| Psidium guajava              | 1              |           |
| Psoralea corylifolia         | 1              |           |
| Pycnanthemum virginianum     | 1              | 29348.0   |
| Pycnanthemum verticillatum   | 1              | 672.0     |
| Pycnanthemum torreyi         | 1              | 120.0     |
| Pycnanthemum tenuifolium     | 1              | 17040.0   |
| Pycnanthemum setosum         | 1              | 2170.0    |
| Pycnanthemum pycnanthemoides | 1              | 11600.0   |
| Pycnanthemum pilosum         | 1              | 4900.0    |

| Plants with Activity Synergy       | Chemical Count | Total PPM |
|------------------------------------|----------------|-----------|
| <i>Pycnanthemum muticum</i>        | 1              | 1800.0    |
| <i>Pycnanthemum montanum</i>       | 1              | 832.0     |
| <i>Pycnanthemum loomisii</i>       | 1              | 5040.0    |
| <i>Pycnanthemum incanum</i>        | 1              | 2432.0    |
| <i>Pycnanthemum curvipes</i>       | 1              | 4646.0    |
| <i>Pycnanthemum clinopodioides</i> | 1              | 21560.0   |
| <i>Pycnanthemum californicum</i>   | 1              | 288.0     |
| <i>Pycnanthemum beadleii</i>       | 1              | 658.0     |
| <i>Pycnanthemum albescens</i>      | 1              | 11394.0   |
| <i>Ravensara aromatica</i>         | 1              |           |
| <i>Ribes nigrum</i>                | 1              | 14.0      |
| <i>Rosmarinus x mendizabalii</i>   | 1              |           |
| <i>Rosmarinus x lavandulaceus</i>  | 1              |           |
| <i>Rosmarinus tomentosus</i>       | 1              |           |
| <i>Rosmarinus officinalis</i>      | 1              | 3900.0    |
| <i>Rosmarinus eriocalyx</i>        | 1              |           |
| <i>Ruta graveolens</i>             | 1              |           |
| <i>Salvia triloba</i>              | 1              | 1380.0    |
| <i>Salvia sclarea</i>              | 1              | 24.0      |
| <i>Salvia officinalis</i>          | 1              | 4760.0    |
| <i>Salvia gilliesii</i>            | 1              |           |
| <i>Salvia dorisiana</i>            | 1              |           |
| <i>Santolina chamaecyparissus</i>  | 1              |           |
| <i>Sassafras albidum</i>           | 1              |           |
| <i>Satureja thymbra</i>            | 1              |           |
| <i>Satureja subspicata</i>         | 1              |           |
| <i>Satureja parvifolia</i>         | 1              |           |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Satureja odora               | 1              |           |
| Satureja obovata             | 1              |           |
| Satureja montana             | 1              |           |
| Satureja hortensis           | 1              |           |
| Satureja grandiflora         | 1              |           |
| Satureja glabella            | 1              | 100.0     |
| Satureja douglasii           | 1              | 3016.0    |
| Satureja cuneifolia          | 1              |           |
| Satureja cilicica            | 1              |           |
| Scutellaria lateriflora      | 1              |           |
| Scutellaria galericulata     | 1              | 26.0      |
| Sideritis pauli              | 1              |           |
| Sideritis mugronensis        | 1              |           |
| Sideritis germanicolpitana   | 1              |           |
| Sideritis athoa              | 1              |           |
| Stachys germanica            | 1              | 36.0      |
| Stevia rebaudiana            | 1              |           |
| Tagetes lucida               | 1              |           |
| Tamarindus indica            | 1              |           |
| Tanacetum parthenium         | 1              |           |
| Teucrium scorodonia          | 1              |           |
| Teucrium salviastrum         | 1              |           |
| Teucrium pseudoscorodonia    | 1              |           |
| Teucrium polium              | 1              |           |
| Teucrium oxylepis            | 1              |           |
| Teucrium micropodioides      | 1              |           |
| Teucrium kotschyianum        | 1              |           |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Teucrium gnaphalodes         | 1              |           |
| Teucrium divaricatum         | 1              |           |
| Teucrium cyprium             | 1              |           |
| Teucrium asiaticum           | 1              |           |
| Teucrium arduini             | 1              |           |
| Thuja occidentalis           | 1              |           |
| Thymus zygis                 | 1              |           |
| Thymus x citriodorus         | 1              |           |
| Thymus vulgaris              | 1              | 10400.0   |
| Thymus serpyllum             | 1              | 114.0     |
| Thymus saturejoides          | 1              |           |
| Thymus riatarum              | 1              |           |
| Thymus orospedanus           | 1              | 280.0     |
| Thymus mastichina            | 1              | 560.0     |
| Thymus longicaulis           | 1              |           |
| Thymus funkii                | 1              |           |
| Thymus cilicicus             | 1              |           |
| Thymus capitatus             | 1              | 60.0      |
| Thymus broussonettii         | 1              |           |
| Tilia sp.                    | 1              |           |
| Trachyspermum ammi           | 1              | 4080.0    |
| Trichostemma dichotomum      | 1              |           |
| Trifolium pratense           | 1              |           |
| Umbellularia californica     | 1              | 320.0     |
| Vaccinium myrtillus          | 1              |           |
| Vaccinium corymbosum         | 1              |           |
| Valeriana officinalis        | 1              |           |

| Plants with Activity Synergy | Chemical Count | Total PPM |
|------------------------------|----------------|-----------|
| Vanilla planifolia           | 1              |           |
| Vetiveria zizanioides        | 1              |           |
| Vitex agnus-castus           | 1              |           |
| Vitis vinifera               | 1              |           |
| Zanthoxylum alatum           | 1              |           |
| Zea mays                     | 1              |           |
| Zingiber officinale          | 1              | 2100.0    |