

A JNK-Inhibitor

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	# Chemicals	Total PPM
<i>Abelmoschus moschatus</i> Musk Okra; Tropical Jewel Hibiscus; Ambrette; Muskmallow	1	
<i>Abutilon theophrasti</i> Velvet Leaf; Indian-Mallow; Butterprint; Abutilon-Hemp	1	
<i>Acacia senegal</i> Kher; Senegal Gum; Sudan Gum Arabic; Gum Arabic; Gum Arabic Tree	1	
<i>Acacia farnesiana</i> Sweet Acacia; Opopanax; Cassie; Huisache; Popinac	1	
<i>Acacia catechu</i> Catechu; Black Cutch	1	
<i>Acalypha indica</i> Indian Nettle; Cancer Herb; Three-Seeded-Mercury; Indian Acalypha; Copperleaf	1	
<i>Acinos suaveolens</i>	1	
<i>Aesculus hippocastanum</i> Horse Chestnut	1	
<i>Ageratum conyzoides</i> Mexican ageratum	1	
<i>Agrimonia eupatoria</i> Agrimony; Sticklewort	1	
<i>Albizia lebbek</i> Koko; East Indian Walnut; Lebbek; Lebbek Tree; Siris Tree; Women's-Tongue Tree; Frywood	1	
<i>Allium schoenoprasum</i> Chives	1	110.0
<i>Allium sativum</i> var. <i>sativum</i> Garlic	1	
<i>Allium cepa</i> Onion; Shallot	1	
<i>Alpinia officinarum</i> Lesser Galangal; Chinese Ginger	1	
<i>Althaea officinalis</i> White Mallow; Marshmallow	1	
<i>Ammi visnaga</i> Visnaga	1	
<i>Anemone pulsatilla</i> Pasque Flower	1	
<i>Anethum graveolens</i> Garden Dill; Dill	1	
<i>Apium graveolens</i> Celery	1	
<i>Armoracia rusticana</i> Horseradish	1	
<i>Artemisia annua</i> Annual Wormwood (GRIN); Qinghao; Annual Mugwort (GRIN); Sweet Wormwood (GRIN); Sweet Annie	1	
<i>Asparagus officinalis</i> Asparagus	1	
<i>Astragalus membranaceus</i> Huang Qi; Huang-Chi	1	
<i>Azadirachta indica</i> Neem	1	4000.0
<i>Berberis vulgaris</i> Barberry	1	
<i>Beta vulgaris</i> Garden Beet; Beetroot; Beet; Sugar Beet	1	
<i>Borago officinalis</i> Talewort; Borage; Beeplant; Beebread	1	
<i>Brassica oleracea</i> var. <i>sabellica</i> I. Kitchen Kale; Scotch Kale; Curly Kale; Kale	1	26.0
<i>Brassica oleracea</i> var. <i>italica</i> Winter Broccoli; Purple Cauliflower; Broccoli; Calabrese; Sprouting Broccoli; Asparagus Broccoli; Cape Broccoli; Heading Broccoli	1	
<i>Brassica oleracea</i> var. <i>capitata</i> I. Red Cabbage; White Cabbage; Cabbage	1	600.0
<i>Brassica oleracea</i> var. <i>botrytis</i> I. Cauliflower	1	60.0
<i>Brassica oleracea</i> Kohlrabi	1	160.0
<i>Calendula officinalis</i> Calendula; Pot-Marigold	1	
<i>Camellia sinensis</i> Tea	1	
<i>Capsicum frutescens</i> Red Chili; Tabasco; Cayenne; Spur Pepper; Chili; Hot Pepper	1	
<i>Carum carvi</i> Carum; Comino (Sp.); Comino de prado (Sp.); Caraway; Kummel (Ger.)	1	
<i>Castanea sativa</i> European Chestnut	1	

Plant	# Chemicals	Total PPM
<i>Catharanthus roseus</i> Rosy Periwinkle; Madagascar Periwinkle	1	1
<i>Ceiba pentandra</i> Silk-Cotton Tree; Kapok	1	1
<i>Centaurea cyanus</i> Cornflower; Bachelor's Button	1	1
<i>Centella asiatica</i> Gotu Kola; Pennywort	1	1
<i>Chimaphila umbellata</i> Pipsissewa; King's Cure	1	1
<i>Cichorium intybus</i> Succory; Chicory; Witloof	1	1
<i>Cinnamomum camphora</i> Ho Leaf; Camphor	1	1
<i>Citrus paradisi</i> Grapefruit	1	1
<i>Cola acuminata</i> Abata Cola	1	1
<i>Consolida ajacis</i> Larkspur	1	1
<i>Cornus mas</i> Sorbet; Cornelian Cherry	1	1
<i>Cornus florida</i> American Dogwood	1	1
<i>Corylus avellana</i> European Hazel; English Filbert; Hazel; Cobnut; European Filbert	1	1
<i>Crataegus monogyna</i> English Hawthorn; Hawthorn	1	1
<i>Crocus sativus</i> Saffron	1	1
<i>Cucurbita pepo</i> Pumpkin	1	1
<i>Cuscuta reflexa</i> Amarbel	1	1
<i>Cyamopsis tetragonoloba</i> Siam-Bean; Cluster-Bean; Guar	1	1
<i>Daucus carota</i> Carrot	2	2
<i>Diospyros virginiana</i> American Persimmon	1	1
<i>Dodonaea viscosa</i> Hopwood	1	1
<i>Drimys winteri</i> Winter's Bark	1	1
<i>Echinacea</i> spp Coneflower; Echinacea	1	1
<i>Echinacea angustifolia</i> Echinacea; Narrow Leaf Purple-Coneflower; Narrow Leaf Echinacea	1	1
<i>Elaeagnus angustifolia</i> Russian Olive; Silver Berry	1	1
<i>Ephedra sinica</i> Ma Huang; Chinese Ephedra	1	1
<i>Equisetum arvense</i> Field Horsetail; Horsetail	1	1
<i>Eriobotrya japonica</i> Loquat	1	1
<i>Eriodictyon californicum</i> Consumptive's Weed; Tarweed; Mountain Balm; Yerba Santa; California Yerba Santa; Holy Herb; Hierba Santa; Gum Bush; Bear's Weed	1	1
<i>Erythroxylum coca</i> Coca	1	1
<i>Eucalyptus wandoo</i>	1	1
<i>Eucalyptus globulus</i> Blue Gum; Tasmanian Bluegum; Eucalypt	1	1
<i>Eupatorium perfoliatum</i> Boneset	1	1
<i>Euphorbia lathyris</i> Caper Spurge; Mole Plant	1	1
<i>Euphorbia hirta</i> Queensland Asthma Herb	1	1
<i>Euphrasia officinalis</i> Eyebright	1	1
<i>Fallopia japonica</i> Mexican Bamboo; Japanese Knotweed; Giant Knotweed; Hu-Zhang	1	1
<i>Ficus carica</i> Figuiers Commun (Fr.); Fig; Higo (Sp.); Fico (Ital.); Echte Feige (Ger.); Feigenbaum (Ger.); Figueira (Port.); Higuera Comun (Sp.)	1	1
<i>Filipendula ulmaria</i> Meadowsweet; Queen Of The Meadow	1	1
<i>Foeniculum vulgare</i> Fennel	1	1
<i>Fragaria</i> spp Strawberry	1	1

Plant	# Chemicals	Total PPM
<i>Frangula alnus</i> Buckthorn	1	1
<i>Galega officinalis</i> Goat's Rue; Galega	1	1
<i>Geranium thunbergii</i> Oriental Geranium; Gennoshiouko	1	1
<i>Ginkgo biloba</i> Maidenhair Tree; Ginkgo	1	1
<i>Glycine max</i> Soybean	1	1
<i>Glycyrrhiza glabra</i> Licorice-Root; Smooth Licorice; Licorice; Commom Licorice	1	1
<i>Gossypium sp</i> Cotton	1	1
<i>Guazuma tomentosa</i>	1	1
<i>Hamamelis virginiana</i> Witch Hazel	1	1
<i>Harpagophytum procumbens</i> Grapple Plant; Devil's Claw	1	1
<i>Helianthemum glomeratum</i>	1	1
<i>Hippophae rhamnoides</i> Sea Buckthorn; Sallow Thorn; Yellow Spine	1	1
<i>Holarrhena pubescens</i> Tellicherry Bark; Zhi Xie Mu; Conessi; Kurchi	1	1
<i>Humulus lupulus</i> Hops	1	1
<i>Hura crepitans</i> Sandbox Tree	1	1
<i>Hydrangea arborescens</i> Smooth Hydrangea; Hydrangea	1	1
<i>Hypericum perforatum</i> Goatweed; St. John's-wort; Hypericum; Klamath Weed; Common St. Johnswort	1	1
<i>Isatis tinctoria</i> Dyer's Woad	1	1
<i>Juglans regia</i> English Walnut	1	1
<i>Kalanchoe spathulata</i> Beach Bells	1	1
<i>Kalanchoe pinnata</i> Siempre Viva; Air Plant	1	1
<i>Lactuca sativa</i> Lettuce	1	1
<i>Laurus nobilis</i> Bayleaf; Laurel; Bay; Sweet Bay; Grecian Laurel; Bay Laurel	1	1
<i>Ligustrum japonicum</i> Japanese Privet; Ligustri Fructus	1	1
<i>Lycium chinense</i> Spina Santa Chinese (Ital.); Daun Koki (Indones.); Gou Qi (Chin.); Wolfberry; Chinesischer Bocksborn (Ger.); Chinese Boxthorn; Chinese Wolfberry; Kuko (Jap.); Chinese Matrimony Vine; Lyciet de Chine (Fr.); Kaukichai (Malays.)	1	1
<i>Lycopersicon esculentum</i> Tomato	1	1
<i>Maclura pomifera</i> Hedge Apple; Osage-Orange	2	2
<i>Magnolia officinalis</i> Chinese Magnolia; Hou Pu; Magnolia-Bark	1	1
<i>Magnolia kobus</i> Xin-Yi; Hsin-I	1	1
<i>Magnolia denudata</i> Xin-Yi; Hsin-I	1	1
<i>Malus domestica</i> Apple	1	1
<i>Mangifera indica</i> Mango	1	1
<i>Matricaria recutita</i> Wild Camomile; Annual Camomile; German Camomile	1	1
<i>Medicago sativa</i> Lucerne; Alfalfa	1	1
<i>Melaleuca leucadendra</i> Cajeput	1	1
<i>Melia azedarach</i> Chinaberry	1	1
<i>Melilotus officinalis</i> Yellow Sweetclover	1	1
<i>Menyanthes trifoliata</i> Marsh Trefoil; Marsh Clover; Bogbean; Bog Myrtle; Water Trefoil; Buckbean	1	1
<i>Moringa oleifera</i> Drumstick Tree; Benzolive Tree; Moringa; Horseradish Tree; West Indian Ben; Ben Nut; Jacinto (Sp.)	1	1
<i>Morus alba</i> White Mulberry; Sang-Pai-Pi	2	2
<i>Musa x paradisiaca</i> Banana; Plantain	1	1

Plant	# Chemicals	Total PPM
<i>Myristica fragrans</i> Nutmeg; nogal moscado (Sp.); Mace; nuez moscada (Sp.); Muskatnussbaum (Ger.)	1	
<i>Nelumbo nucifera</i> Water Lotus	1	
<i>Nicotiana tabacum</i> Tobacco	1	
<i>Ocimum basilicum</i> Basil; Sweet Basil; Cuban Basil	1	
<i>Oenothera biennis</i> Evening-Primrose	1	
<i>Olea europaea</i> Olive	1	
<i>Ononis spinosa</i> Restharrow; Hauhechel (Ger.); Spiny Restharrow	1	
<i>Opuntia ficus-indica</i> Nopal; Prickly Pear; Nopalito; Indian Fig	1	
<i>Origanum vulgare</i> European Oregano; Pot Marjoram; Common Turkish Oregano; Wild Oregano; Wild Marjoram; Oregano	1	
<i>Paeonia suffruticosa</i> Moutan; Tree Peony; Moutan Peony	1	
<i>Paeonia officinalis</i> Double Peony	1	
<i>Paeonia moutan</i> Moutan; Tree Peony	1	
<i>Paeonia lactiflora</i> Peony; Chih-Shao; White Peony; Bai Shao (Chinese); Common Garden Peony	1	
<i>Panax quinquefolius</i> Ginseng; American Ginseng	1	
<i>Panax ginseng</i> Oriental Ginseng; Chinese Ginseng; Ginseng; Korean Ginseng	1	
<i>Passiflora incarnata</i> Mayapple; Manzana de Mayo; Passionflower	1	
<i>Pastinaca sativa</i> Parsnip	1	
<i>Petasites japonicus</i> Butterbur	1	
<i>Petroselinum crispum</i> Parsley	1	
<i>Phyllanthus emblica</i> Myrobalan; Emblic	1	
<i>Physalis peruviana</i> Cape Gooseberry; Ground Cherry	1	
<i>Pinus strobus</i> White Pine; Eastern White Pine	1	
<i>Pinus mugo</i> Swiss Mountain Pine; Dwarf Pine	1	
<i>Piper nigrum</i> White Pepper; Black Pepper; Pepper	1	
<i>Pistacia lentiscus</i> Chios Mastictree; Mastixbaum (Ger.); Mastic; Mastictree; Lentisco (Sp.)	1	
<i>Pisum sativum</i> Pea	1	1000.0
<i>Plumeria acutifolia</i> Frangipani	1	
<i>Podophyllum pleianthum</i> Chinese Mayapple	1	
<i>Podophyllum peltatum</i> Mayapple	1	
<i>Podophyllum hexandrum</i> Himalayan Mayapple	1	
<i>Polygonum multiflorum</i> Fleeceflower; Fo Ti; He Shou Wu; Chinese Knotweed; Chinese Cornbind	1	
<i>Polygonum hydropiperoides</i> Mild Water Pepper	1	
<i>Polygonum hydropiper</i> Common Smartweed	1	
<i>Populus tacamahacca</i> Balm Of Gilead	2	
<i>Populus nigra</i> Black Poplar	1	
<i>Prunella vulgaris</i> Heal-All; Self-Heal	1	
<i>Prunus spinosa</i> Sloe; Blackthorn	1	
<i>Prunus serotina</i> Black Cherry; Wild Cherry	1	
<i>Prunus persica</i> Peach	1	
<i>Prunus laurocerasus</i> Cherry Laurel	1	
<i>Prunus dulcis</i> Almond	1	
<i>Prunus domestica</i> Plum	1	

Plant	# Chemicals	Total PPM
<i>Prunus cerasus</i> Sour Cherry	2	
<i>Prunus armeniaca</i> Apricot	1	
<i>Psidium cattleianum</i> Strawberry Guava	1	
<i>Punica granatum</i> Pomegranate; Granatapfelbaum (Ger.); Granado (Sp.); Mangrano (Sp.); Grenadier (Fr.); Romanzeiro (Port.); Granatapfelstrauch (Ger.); Zakuro (Jap.)	1	
<i>Rhododendron dauricum</i> Chinese Alpenrose	1	
<i>Rhus toxicodendron</i> Poison Ivy	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Ricinus communis</i> Castorbean	1	
<i>Robinia pseudoacacia</i> Black Locust	1	
<i>Rosa damascena</i> Damask Rose	1	
<i>Rubus idaeus</i> Raspberry; Red Raspberry	1	
<i>Sambucus nigra</i> European Elder; Black Elder; European Alder; European Elderberry; Elder	1	
<i>Sanguisorba officinalis</i> Greater Burnet	1	
<i>Sanguisorba minor</i> Small Burnet	1	
<i>Schinus terebinthifolius</i> Brazilian Peppertree	1	
<i>Schinus molle</i> Peruvian Peppertree; Mastic-Tree; California Peppertree	1	
<i>Scutellaria galericulata</i> Marsh Skullcap	1	
<i>Scutellaria baicalensis</i> Chinese Skullcap; Huang Qin; Baikal Skullcap	1	
<i>Serenoa repens</i> Scrub-Palmetto; Saw Palmetto	1	
<i>Silybum marianum</i> Milk Thistle; Lady's Thistle	1	
<i>Solanum tuberosum</i> Potato	1	
<i>Solidago gigantea</i> Early Goldenrod	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Spartium junceum</i> Weaver's Broom; Spanish Broom; Genet	1	
<i>Spinacia oleracea</i> Spinach	1	
<i>Syzygium aromaticum</i> Clovetree; Clove	1	
<i>Tagetes patula</i> French Marigold	1	
<i>Tagetes erecta</i> Marigold; Aztec Marigold	1	
<i>Terminalia catappa</i> Malabar Almond; Tropical Almond; Indian Almond	1	
<i>Teucrium polium</i> Golden Germander	1	
<i>Theobroma cacao</i> Cacao	1	
<i>Thespesia populnea</i> Indian tulip tree	1	
<i>Thevetia peruviana</i> Loandro-Amarelo (Port.); Yellow Oleander; Thevetie (Ger.); Oleandre Jaune (Fr.); Luckynut; Chirca (Sp.); Adelfa Amarilla (Sp.); Cabalonga (Sp.); Peruvian Yellow Oleander	1	
<i>Thymus vulgaris</i> Common Thyme; Thyme; Garden Thyme	1	
<i>Tribulus terrestris</i> Puncture-vine	1	
<i>Trifolium pratense</i> Cowgrass; Peavine Clover; Red Clover; Purple Clover	1	
<i>Trigonella foenum-graecum</i> Greek Hay; Fenugreek; Greek Clover; Bockshornklee (Ger.); Alholva (Sp.)	1	
<i>Tsuga canadensis</i> Eastern Hemlock	1	
<i>Uncaria guianensis</i> Garabato Colorado; Tambor Huasca; Ungunagi; Cat's Claw; Una de Gato	1	
<i>Urtica dioica</i> European Nettle; Stinging Nettle	1	
<i>Vaccinium vitis-idaea</i> Lingen; Cowberry; Lingonberry	1	

Plant	# Chemicals	Total PPM
<i>Vaccinium macrocarpon</i> American Cranberry; Large Cranberry; Cranberry	1	
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Valeriana officinalis</i> Garden-Heliotrope; Common Valerian; Valerian	1	
<i>Viburnum opulus</i> Crampbark; Guelder Rose; Snowballbush; European Cranberry Bush	1	
<i>Vicia faba</i> Faba Bean; Broadbean; Habas	1	
<i>Vigna radiata</i> Mungbean; Green Gram	1	
<i>Viola odorata</i> Sweet Violet; Common Violet	1	
<i>Vitex agnus-castus</i> Chaste-Tree	1	
<i>Vitis vinifera</i> Grapevine; Grape; Parra (Sp.); Vid (Sp.); Weinrebe (Ger.); Vigne Vinifere (Fr.); European Grape; Wine Grape	2	180800.0
<i>Zingiber officinale</i> Ginger	1	