

A Lyase-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>Achillea millefolium</i> Milfoil; Yarrow	1	
<i>Aconitum napellus</i> Friar's Cap; Soldier's Cap; Monkshood; European Aconite; Garden Wolfsbane; Helmet Flower; Blue Rocket; Garden Monkshood; Aconite; Queen's Fettle; Bear's-Foot; Turk's Cap	1	
<i>Actaea dahurica</i> Xing an sheng ma; Sheng ma	1	
<i>Actaea cimicifuga</i> Bugbane; Sheng ma; Foetid Bugbane	1	
<i>Adonis vernalis</i> Spring Adonis	1	
<i>Agrimonia eupatoria</i> Sticklewort; Agrimony	1	
<i>Albizia lebeck</i> Siris Tree; Koko; Women's-Tongue Tree; Lebbek; East Indian Walnut; Frywood; Lebbek Tree	1	
<i>Allium schoenoprasum</i> Chives	1	
<i>Allium sativum</i> var. <i>sativum</i> Garlic	1	40.0
<i>Allium cepa</i> Onion; Shallot	1	
<i>Allium ampeloprasum</i> Elephant Garlic; Kurrat	1	
<i>Althaea officinalis</i> Marshmallow; White Mallow	1	
<i>Ananas comosus</i> Pineapple	1	
<i>Anethum graveolens</i> Dill; Garden Dill	1	
<i>Angelica archangelica</i> Garden Angelica; Angelica; Wild Parsnip	1	
<i>Annona muricata</i> Soursop	1	
<i>Apium graveolens</i> Celery	1	
<i>Arachis hypogaea</i> Peanut; Groundnut	1	22.0
<i>Arctium lappa</i> Great Burdock; Burdock; Gobo	1	5000.0
<i>Arctostaphylos uva-ursi</i> Uva Ursi; Bearberry	1	
<i>Armoracia rusticana</i> Horseradish	1	
<i>Arnica montana</i> Mountain Tobacco; Leopard's-Bane	1	
<i>Artemisia dracunculus</i> Tarragon	1	
<i>Artemisia capillaris</i> Capillary Wormwood	1	
<i>Artemisia abrotanum</i> Southernwood	1	
<i>Asimina triloba</i> Pawpaw	1	
<i>Aspalathus linearis</i> Red Bush Tea; Kaffree Tea; Rooibos	1	
<i>Astragalus membranaceus</i> Huang Qi; Huang-Chi	1	
<i>Avena sativa</i> Oats	1	
<i>Ballota nigra</i> Black Horehound	1	
<i>Berberis vulgaris</i> Barberry	1	
<i>Beta vulgaris</i> Beet; Sugar Beet; Garden Beet; Beetroot	1	
<i>Brassica pekinensis</i> Chinese Cabbage	1	22.0
<i>Brassica oleracea</i> var. <i>italica</i> Heading Broccoli; Cape Broccoli; Broccoli; Sprouting Broccoli; Winter Broccoli; Asparagus Broccoli; Calabrese; Purple Cauliflower	1	
<i>Brassica oleracea</i> var. <i>gemmifera</i> Brussel-Sprout; Brussels-Sprouts	1	68.0
<i>Brassica oleracea</i> var. <i>capitata</i> l. White Cabbage; Cabbage; Red Cabbage	1	154.0
<i>Brassica oleracea</i> var. <i>botrytis</i> l. Cauliflower	1	16.0
<i>Brassica nigra</i> Black Mustard	1	

Plant	# Chemicals	Total PPM
<i>Calendula officinalis</i> Pot-Marigold; Calendula	1	
<i>Camellia sinensis</i> Tea	1	
<i>Capsicum frutescens</i> Tabasco; Chili; Cayenne; Red Chili; Hot Pepper; Spur Pepper	1	64.0
<i>Capsicum annuum</i> Sweet Pepper; Bell Pepper; Cherry Pepper; Green Pepper; Paprika; Cone Pepper	1	22.0
<i>Carica papaya</i> Papaya	1	
<i>Carum carvi</i> Caraway; Carum; Comino (Sp.); Comino de prado (Sp.); Kummel (Ger.)	1	
<i>Castanea sativa</i> European Chestnut	1	
<i>Catalpa bignonioides</i> Indian bean	1	
<i>Ceiba pentandra</i> Silk-Cotton Tree; Kapok	1	
<i>Centaurea cyanus</i> Cornflower; Bachelor's Button	1	
<i>Centaurium erythraea</i> Centaury	1	
<i>Chamaemelum nobile</i> Garden Camomile; Roman Camomile; Perennial Camomile	1	
<i>Cichorium intybus</i> Witloof; Chicory; Succory	1	1534.0
<i>Cichorium endivia</i> Escarole; Endive	1	
<i>Cimicifuga dahurica</i> Sheng Ma	1	
<i>Cinchona</i> spp Quinine	1	
<i>Cinchona pubescens</i> Redbark; Quinine; Red Peruvian-Bark; Red Cinchona	1	
<i>Cinnamomum verum</i> Cinnamon; Ceylon Cinnamon	1	
<i>Cinnamomum camphora</i> Ho Leaf; Camphor	1	
<i>Citrullus lanatus</i> Watermelon	1	
<i>Citrullus colocynthis</i> Colocynth	1	
<i>Citrus sinensis</i> Orange	1	100.0
<i>Citrus paradisi</i> Grapefruit	1	102.0
<i>Citrus limon</i> Lemon	1	70.0
<i>Clematis vitalba</i> Traveler's Joy	1	
<i>Cnicus benedictus</i> Blessed Thistle	1	
<i>Coccinia grandis</i> Ivy Gourd; Kanduri; Tindori; Pepasan; Tindora; Kundree; Little Gourd	1	
<i>Coffea arabica</i> Coffee	1	
<i>Cola acuminata</i> Abata Cola	1	
<i>Coleus barbatus</i> Forskohl's Coleus	1	
<i>Conium maculatum</i> Fool's Parsley; Spotted Parsley; Hemlock; Spotted Hemlock; Carrot Fern; Poison Hemlock	1	
<i>Convallaria majalis</i> Lily-Of-The-Valley	1	
<i>Conyza canadensis</i> Horseweed; Hogweed; Butterweed	1	
<i>Coriandrum sativum</i> Chinese Parsley; Coriander; Cilantro	1	
<i>Corylus americana</i> American Filbert; American Hazel	1	
<i>Crataegus rhipidophylla</i> Hawthorn	1	
<i>Crataegus monogyna</i> English Hawthorn; Hawthorn	1	
<i>Crataegus laevigata</i> Hawthorn; English Hawthorn; Whitethorn; Woodland Hawthorn	1	
<i>Cucumis sativus</i> Cucumber	1	
<i>Cucumis melo</i> Persian Melon; Muskmelon; Netted Melon; Cantaloupe; Melon; Nutmeg Melon	1	
<i>Cucurbita pepo</i> Pumpkin	1	
<i>Curcuma longa</i> Indian Saffron; Turmeric	1	10.0

Plant	# Chemicals	Total PPM
<i>Cyamopsis tetragonoloba</i> Siam-Bean; Cluster-Bean; Guar	1	
<i>Cynara cardunculus</i> Artichoke	1	
<i>Datura stramonium</i> Jimsonweed	1	
<i>Daucus carota</i> Carrot	1	
<i>Digitalis purpurea</i> Purple Foxglove	1	
<i>Dipsacus fullonum</i>	1	
<i>Dodonaea viscosa</i> Hopwood	1	
<i>Echinacea</i> spp Echinacea; Coneflower	1	
<i>Elaeagnus angustifolia</i> Russian Olive; Silver Berry	1	
<i>Elettaria cardamomum</i> Cardamom	1	
<i>Eleutherococcus senticosus</i> Spiny Ginseng; Eleuthero Ginseng; Ci wu jia (Pinyin); Siberian Ginseng; Wu jia	1	
<i>Equisetum hyemale</i> Scouring Rush; Horsetail	1	
<i>Equisetum arvense</i> Field Horsetail; Horsetail	1	
<i>Eriobotrya japonica</i> Loquat	1	
<i>Erythroxylum coca</i> Coca	1	
<i>Eucalyptus globulus</i> Eucalypt; Tasmanian Bluegum; Blue Gum	1	
<i>Euphorbia pulcherrima</i> Poinsettia	1	
<i>Euphorbia hirta</i> Queensland Asthma Herb	1	
<i>Euphrasia officinalis</i> Eyebright	1	
<i>Fagopyrum esculentum</i> Buckwheat	1	
<i>Ficus carica</i> Fico (Ital.); Higo (Sp.); Fig; Figueira (Port.); Echte Feige (Ger.); Figuier Commun (Fr.); Feigenbaum (Ger.); Higuera Comun (Sp.)	1	
<i>Foeniculum vulgare</i> Fennel	1	
<i>Fragaria</i> spp Strawberry	1	68.0
<i>Gaultheria procumbens</i> Wintergrun (Ger.); Creeping Wintergreen; Mountain Tea; Wintergreen; Teaberry; Checkerberry	1	
<i>Gentiana lutea</i> Gentian; Yellow Gentian	1	
<i>Glechoma hederacea</i> Alehoof	1	
<i>Glycine max</i> Soybean	1	8.0
<i>Harpagophytum procumbens</i> Grapple Plant; Devil's Claw	1	
<i>Helianthus annuus</i> Girasol; Sunflower	1	3608.0
<i>Helichrysum angustifolium</i> Everlasting; Immortelle	1	
<i>Hordeum vulgare</i> Barleygrass; Barley	1	
<i>Humulus lupulus</i> Hops	1	
<i>Hypericum perforatum</i> Hypericum; Klamath Weed; Goatweed; St. John's-wort; Common St. Johnswort	1	
<i>Hyssopus officinalis</i> Hyssop	1	
<i>Inonotus obliquus</i>	1	
<i>Ipomoea purga</i> Jalap	1	80000.0
<i>Ipomoea batatas</i> Sweet Potato	1	
<i>Juglans regia</i> English Walnut	1	
<i>Juglans nigra</i> Black Walnut	1	
<i>Juniperus communis</i> Common Juniper; Juniper	1	
<i>Kalanchoe pinnata</i> Air Plant; Siempre Viva	1	

Plant	# Chemicals	Total PPM
<i>Lactuca sativa</i> Lettuce	1	
<i>Laurus nobilis</i> Bay; Sweet Bay; Grecian Laurel; Laurel; Bayleaf; Bay Laurel	1	
<i>Levisticum officinale</i> Lovage	1	
<i>Ligustrum japonicum</i> Ligustri Fructus; Japanese Privet	1	
<i>Linum usitatissimum</i> Linseed; Flax	1	
<i>Lycopersicon esculentum</i> Tomato	1	12.0
<i>Lycopodium clavatum</i> Antler Herb; Clubmoss	1	
<i>Lycopus virginicus</i> Bugle	1	
<i>Lycopus europeus</i> European Bugle	1	
<i>Magnolia officinalis</i> Hou Pu; Magnolia-Bark; Chinese Magnolia	1	
<i>Magnolia kobus</i> Xin-Yi; Hsin-I	1	
<i>Malus domestica</i> Apple	1	2540.0
<i>Marrubium vulgare</i> Horehound; White Horehound	1	
<i>Matricaria recutita</i> German Camomile; Wild Camomile; Annual Camomile	1	
<i>Medicago sativa</i> Alfalfa; Lucerne	1	
<i>Melia azedarach</i> Chinaberry	1	
<i>Melilotus officinalis</i> Yellow Sweetclover	1	
<i>Melissa officinalis</i> Lemonbalm; Balm; Melissa; Bee Balm	1	
<i>Mentha x rotundifolia</i> Applemint	1	
<i>Mentha x piperita</i> Peppermint	1	
<i>Menyanthes trifoliata</i> Buckbean; Bog Myrtle; Bogbean; Marsh Trefoil; Water Trefoil; Marsh Clover	1	
<i>Moringa oleifera</i> Jacinto (Sp.); Ben Nut; Moringa; Horseradish Tree; Drumstick Tree; West Indian Ben; Benzolive Tree	1	
<i>Morus alba</i> Sang-Pai-Pi; White Mulberry	1	
<i>Myristica fragrans</i> Nutmeg; nogal moscado (Sp.); Mace; Muskatnussbaum (Ger.); nuez moscada (Sp.)	1	
<i>Nicotiana tabacum</i> Tobacco	1	
<i>Ocimum basilicum</i> Cuban Basil; Basil; Sweet Basil	1	38100.0
<i>Oenothera biennis</i> Evening-Primrose	1	
<i>Olea europaea</i> Olive	1	
<i>Origanum vulgare</i> Oregano; Pot Marjoram; Wild Marjoram; Common Turkish Oregano; European Oregano; Wild Oregano	1	14120.0
<i>Origanum majorana</i> Marjoram; Sweet Marjoram	1	
<i>Panax ginseng</i> Ginseng; Oriental Ginseng; Chinese Ginseng; Korean Ginseng	1	
<i>Papaver somniferum</i> Poppyseed Poppy; Opium Poppy	1	
<i>Perilla frutescens</i> Perilla	1	
<i>Persea americana</i> Avocado	1	
<i>Petroselinum crispum</i> Parsley	1	
<i>Peucedanum ostruthium</i> Masterwort	1	
<i>Phaseolus vulgaris</i> Haricot Bean; Kidney Bean; Snap Bean; Garden Bean; Flageolet Bean; Haricot Vert; Black Bean; String Bean; Haricot; Pop Bean; Green Bean; Field Bean; Dwarf Bean; Wax Bean; French Bean; Navy Bean; Popping Bean	1	
<i>Pimpinella anisum</i> Sweet Cumin; Anise	1	
<i>Pinus sylvestris</i> Scotch Pine	1	
<i>Piper nigrum</i> Black Pepper; Pepper; White Pepper	1	
<i>Pisum sativum</i> Pea	1	

Plant	# Chemicals	Total PPM
<i>Plantago major</i> Common Plantain	1	
<i>Polypodium vulgare</i> Common Polypody; Sweet Fern	1	
<i>Portulaca oleracea</i> Verdolaga; Purslane	1	
<i>Prunus spinosa</i> Blackthorn; Sloe	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	
<i>Prunus cerasus</i> Sour Cherry	1	
<i>Prunus armeniaca</i> Apricot	1	
<i>Pteridium aquilinum</i> Bracken; Bracken Fern	1	
<i>Punica granatum</i> Granatapfelbaum (Ger.); Granatapfelstrauch (Ger.); Zakuro (Jap.); Romanzeiro (Port.); Grenadier (Fr.); Mangrano (Sp.); Pomegranate; Granado (Sp.)	1	
<i>Pyrus communis</i> Pear	1	39400.0
<i>Raphanus sativus</i> Radish	1	182.0
<i>Rheum rhabarbarum</i> Rhubarb	1	16.0
<i>Rheum officinale</i> Chinese Rhubarb	1	
<i>Rhododendron ponticum</i> Pontic Alpenrose	1	
<i>Ribes nigrum</i> Black Currant	1	
<i>Rosa canina</i> Dog Rose; Rose; Dogbrier	1	
<i>Rosmarinus officinalis</i> Rosemary	1	
<i>Rubus idaeus</i> Red Raspberry; Raspberry	1	
<i>Salvia</i> sp. Chia	1	
<i>Salvia officinalis</i> Sage	1	
<i>Sambucus simpsonii</i> Simpson's elderberry	1	
<i>Sambucus nigra</i> European Elder; European Alder; European Elderberry; Elder; Black Elder	1	
<i>Sanguisorba minor</i> Small Burnet	1	
<i>Santolina chamaecyparissus</i> Lavender Cotton	1	
<i>Satureja montana</i> Savory; Winter Savory	1	
<i>Scopolia carniolica</i> Scopolia	1	
<i>Senna obtusifolia</i> Sicklepod	1	
<i>Sesamum indicum</i> Sesame; Ajonjoli (Sp.); Beni; Benneseed; Sesamo (Sp.)	1	
<i>Solanum tuberosum</i> Potato	1	1680.0
<i>Solanum torvum</i> Wild Eggplant; Susumba	1	
<i>Solanum melongena</i> Eggplant; Aubergine	1	
<i>Solidago virgaurea</i> European Goldenrod; Woundwort	1	
<i>Solidago gigantea</i> Early Goldenrod	1	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Sorbus aucubaria</i> Rowan Berry	1	
<i>Spartium junceum</i> Spanish Broom; Weaver's Broom; Genet	1	
<i>Spinacia oleracea</i> Spinach	1	
<i>Stachys officinalis</i> Purple Betony; Betony; Wood Betony; Bishop's-Wort	1	10000.0

Plant	# Chemicals	Total PPM
<i>Stellaria media</i> Common Chickweed; Chickweed	1	
<i>Symphytum officinale</i> Comfrey	1	
<i>Tagetes patula</i> French Marigold	1	
<i>Tanacetum vulgare</i> Tansy	1	
<i>Taraxacum officinale</i> Dandelion	1	
<i>Taxus baccata</i> Common Yew	1	
<i>Tecoma stans</i> Yellow Elder	1	
<i>Teucrium scorodonia</i> Wood Germander; Germander	1	
<i>Teucrium chamaedrys</i> Wall Germander	1	
<i>Theobroma cacao</i> Cacao	1	
<i>Thymus vulgaris</i> Thyme; Garden Thyme; Common Thyme	1	33800.0
<i>Thymus serpyllum</i> Creeping Thyme	1	12400.0
<i>Tilia</i> sp. Linden; Lime; Basswood	1	
<i>Trifolium pratense</i> Peavine Clover; Purple Clover; Red Clover; Cowgrass	1	
<i>Triticum aestivum</i> Wheat	1	8.0
<i>Urtica dioica</i> European Nettle; Stinging Nettle	1	
<i>Vaccinium vitis-idaea</i> Lingen; Cowberry; Lingonberry	1	
<i>Vaccinium myrtillus</i> Bilberry; Whortleberry; Dwarf Bilberry	1	
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Valeriana officinalis</i> Valerian; Garden-Heliotrope; Common Valerian	1	
<i>Verbena officinalis</i> Vervain	1	20000.0
<i>Viburnum opulus</i> Crampbark; European Cranberry Bush; Guelder Rose; Snowballbush	1	
<i>Vicia faba</i> Habas; Broadbean; Faba Bean	1	
<i>Viscum album</i> European Mistletoe	1	
<i>Vitis vinifera</i> Grapevine; Grape; Wine Grape; Vid (Sp.); Weinrebe (Ger.); Parra (Sp.); European Grape; Vigne Vinifere (Fr.)	1	
<i>Zea mays</i> Corn	1	1.4
<i>Zingiber officinale</i> Ginger	1	