

List of Plants

ISOVALERIC-ACID

Chemid

ISOVALERICACID

Dosage

LD50=1,120 (ivn mus) Merck 11th Edition

LD50=2,000 mg/kg (orl rat)

LDLo=3,200 (orl rat)

*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 | Part | Low PPM | High PPM | StdDev | *Reference |
|--|---------------------|---------|----------|--------|--|
| <i>Achillea millefolium</i> | Plant | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Aloysia citrodora</i> | Plant | -- | -- | | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| <i>Apium graveolens</i> | Seed | -- | 1.0 | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Arctium lappa</i> | Plant | -- | -- | | * |
| <i>Capsicum frutescens</i> | Resin, Exudate, Sap | -- | -- | | * |
| <i>Cymbopogon citratus</i> | Plant | -- | -- | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| <i>Helichrysum angustifolium</i> | Plant | -- | -- | | * |
| <i>Humulus lupulus</i> | Essential Oil | -- | -- | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| <i>Ilex paraguariensis</i> | Leaf | -- | -- | | * |
| <i>Levisticum officinale</i> | Root | -- | -- | | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| <i>Melaleuca leucadendra</i> | Plant | -- | -- | | * |
| <i>Mentha x piperita</i> | Plant | -- | -- | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Mentha arvensis</i> var. <i>piperascens</i> | Plant | 30.0 | 90.0 | 1.0 | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| <i>Nardostachys jatamansi</i> | Root | -- | -- | | * |
| <i>Panax quinquefolius</i> | Plant | -- | 7.0 | -1.0 | * |
| <i>Pavonia odorata</i> | Root | -- | 3450.0 | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Peucedanum ostruthium</i> | Root | -- | -- | | * |
| <i>Prunus cerasus</i> | Fruit | -- | -- | | * |
| <i>Pueraria montana</i> | Fruit Essent. Oil | -- | -- | | * |
| <i>Ruta graveolens</i> | Leaf | -- | -- | | * |

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|-----------------------|------------------|----|-------|--|--|
| Thuja occidentalis | Branches | -- | -- | | * |
| Thymus mastichina | Plant | -- | -- | | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| Valeriana officinalis | Root Essent. Oil | -- | -- | | * |
| Valeriana jatamansi | Root | -- | -- | | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| Valeriana officinalis | Root | -- | -- | | * |
| Viburnum prunifolium | Root Bark | -- | 130.0 | | * |