

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

**List of Plants for ROSMARINIC-ACID**

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Agastache rugosa	Leaf	9000	9000	0.19168161442663484	Jim Duke's personal files.
Anethum graveolens	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Artemisia dracunculus	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Borago officinalis	Plant	500	7000	-1.2991752308715747	Fitoterapia No.62: 166.
Borago officinalis	Inflorescence	--	--		Jim Duke's personal files.
Borago officinalis	Shoot	500	500	-0.8320524588716441	Jim Duke's personal files.
Collinsonia canadensis	Plant	--	--		--
Glechoma hederacea	Leaf	14800	25000	2.329304484727468	--
Glechoma hederacea	Stem	--	1000	-0.3808773454382602	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Hyssopus officinalis	Plant	5000	5000	-1.4207683050352211	Fitoterapia No.62: 166.
Hyssopus officinalis	Inflorescence	--	--		--
Lavandula angustifolia	Plant	12000	12000	-0.995192545462459	Fitoterapia No.62: 166.
Lavandula latifolia	Plant	7000	7000	-1.2991752308715747	Fitoterapia No.62: 166.
Lavandula x intermedia	Plant	5000	5000	-1.4207683050352211	Fitoterapia No.62: 166.
Lycopus europeus	Plant	37000	37000	0.5247208815831196	Fitoterapia No.62: 166.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lycopus europeus</i>	Root	--	--		Jim Duke's personal files.
<i>Lycopus virginicus</i>	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Melissa officinalis</i>	Leaf	--	--		Jim Duke's personal files.
<i>Melissa officinalis</i>	Plant	8400	37000	1.1326862524013512	--
<i>Mentha aquatica</i>	Plant	27000	27000	-0.08324448923511193	Fitoterapia No.62: 166.
<i>Mentha arvensis</i> var. <i>piperascens</i>	Leaf	71	228	-0.9802701242157968	--
<i>Mentha arvensis</i> var. <i>piperascens</i>	Plant	28000	28000	-0.022447952153288788	Fitoterapia No.62: 166.
<i>Mentha longifolia</i>	Plant	--	29000	0.038348584928534366	--
<i>Mentha pulegium</i>	Plant	30000	30000	0.09914512201035752	Fitoterapia No.62: 166.
<i>Mentha pulegium</i>	Inflorescence	--	30000	-0.26815560301571756	--
<i>Mentha spicata</i>	Leaf	--	6300	-0.16904224493663075	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha spicata</i>	Plant	43000	43000	0.8895001040740586	Fitoterapia No.62: 166.
<i>Mentha spicata</i>	Shoot	5900	5900	-0.5785639805694225	--
<i>Mentha spicata</i>	Inflorescence	--	43000	0.3023882331879371	--
<i>Mentha x piperita</i>	Plant	30000	30000	0.09914512201035752	Fitoterapia No.62: 166.
<i>Mentha x piperita</i>	Shoot	700	1800	-0.771027454835924	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mentha x rotundifolia	Leaf	3600	3600	-0.5297661042998963	Jim Duke's personal files.
Mentha x rotundifolia	Plant	32000	32000	0.22073819617400384	Fitoterapia No.62: 166.
Momordica charantia	Shoot	--	--		Jim Duke's personal files.
Monarda didyma	Flower	18000	18000	-1	Jim Duke's personal files.
Monarda fistulosa	Shoot	20000	20000	0.08332260166415618	Jim Duke's personal files.
Nepeta cataria	Plant	2000	2000	-1.6031579162806906	Fitoterapia No.62: 166.
Nepeta cataria	Inflorescence	2000	2000	-1.4970192502235884	--
Ocimum basilicum	Plant	1000	19000	-0.5696167858896972	--
Ocimum basilicum	Root	--	--		--
Ocimum basilicum	Tissue Culture	--	--		--
Ocimum basilicum	Shoot	--	1300	-0.7944986102342779	--
Ocimum tenuiflorum	Inflorescence	0	100	-1.5804064262841226	--
Ocimum tenuiflorum	Leaf	200	300	-0.9706508212994431	--
Ocimum tenuiflorum	Stem	80	340	-0.9890524615412883	--
Origanum majorana	Plant	33000	33000	0.281534733255827	Fitoterapia No.62: 166.
Origanum majorana	Shoot	--	9400	-0.4142658927809455	--
Origanum majorana	Inflorescence	--	33000	-0.13649164081487425	--
Origanum vulgare	Leaf	790	790	-0.9051861208964801	--
Origanum vulgare	Plant	4000	16600	1.6190585490559364	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum vulgare	Plant	--	55000	1.6190585490559364	Fitoterapia No.62: 166.
Origanum vulgare	Shoot	16600	50000	1.4915919255653871	--
Origanum vulgare	Inflorescence	--	68000	1.3995879181949649	--
Perilla frutescens	Leaf	10300	12100	0.6058460455474213	Yakugaku Zasshi, 106: 1108.
Perilla frutescens	Seed	2300	2300		Yakugaku Zasshi, 106: 1108.
Perilla frutescens	Stem	2900	2900	1.3699298069795482	Yakugaku Zasshi, 106: 1108.
Petroselinum crispum	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Prunella vulgaris	Flower	2600	19300	1	Yakugaku Zasshi, 106: 1108.
Prunella vulgaris	Leaf	17400	17400	1.3139336213345723	Yakugaku Zasshi, 106: 1108.
Prunella vulgaris	Plant	17400	61000	1.9838377715468754	Fitoterapia No.62: 166.
Prunella vulgaris	Inflorescence	61000	74000	1.6629158425966515	--
Prunella vulgaris	Shoot	--	74000	2.618207384686372	--
Rosmarinus officinalis	Leaf	3500	3500	-0.5431262472392765	--
Rosmarinus officinalis	Plant	25000	25000	-0.20483756339875825	--
Rosmarinus officinalis	Shoot	13500	13500	-0.2218024185144439	--
Rosmarinus officinalis	Tissue Culture	38957	38957		--
Rosmarinus officinalis	Inflorescence	25000	43000	0.3023882331879371	--
Salvia officinalis	Plant	30000	50600	1.3515537858959146	--
Salvia officinalis	Shoot	2000	5800	-0.5832582116490932	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Salvia officinalis	Tissue Culture	--	--		--
Salvia officinalis	Inflorescence	30000	42000	0.25850024578765574	--
Salvia officinalis	Leaf	--	--		--
Salvia sclarea	Plant	34000	34000	0.34233127033765015	Fitoterapia No.62: 166.
Satureja hortensis	Plant	26000	26000	-0.1440410263169351	Fitoterapia No.62: 166.
Satureja montana	Plant	3000	12000	-0.995192545462459	--
Satureja montana	Shoot	--	--		--
Scrophularia scorodonia	Plant	--	--		Fernandez, L., Martin, T., Villaescusa, L., Bartolome, C., Rubio, B., Diaz, A. M. 1995. Rosmarinic Acid and Iridoids of Scrophularia scorodonia L. Colloq Inst Natl Rech Agron, 69: 307-308.
Stachys officinalis	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Symphytum officinale	Leaf	5000	5000	-0.34272410314857343	--
Teucrium scorodonia	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Thymus serpyllum	Shoot	23000	23000	0.2241495340542793	Jim Duke's personal files.
Thymus vulgaris	Plant	26000	26000	-0.1440410263169351	Fitoterapia No.62: 166.
Thymus vulgaris	Shoot	5000	13500	-0.2218024185144439	--
Thymus vulgaris	Inflorescence	--	26000	-0.44370755261684197	--
Vaccinium corymbosum	Plant	--	--		--