

C ROSMARINIC-ACID

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ROSMARINICACID

*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
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Lycopus europeus	Root	--	--		Jim Duke's personal files.
Lycopus virginicus	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.
Melissa officinalis	Leaf	--	--		Jim Duke's personal files.
Melissa officinalis	Plant	8400	37000	1.1326862524013512	--
Mentha aquatica	Plant	27000	27000	-0.08324448923511193	Fitoterapia No.62: 166.
Mentha arvensis var. piperascens	Leaf	71	228	-0.9802701242157968	--
Mentha arvensis var. piperascens	Plant	28000	28000	-0.022447952153288788	Fitoterapia No.62: 166.
Mentha longifolia	Plant	--	29000	0.038348584928534366	--
Mentha pulegium	Plant	30000	30000	0.09914512201035752	Fitoterapia No.62: 166.
Mentha pulegium	Inflorescence	--	30000	-0.26815560301571756	--
Mentha spicata	Leaf	--	6300	-0.16904224493663075	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mentha spicata	Plant	43000	43000	0.8895001040740586	Fitoterapia No.62: 166.
Mentha spicata	Shoot	5900	5900	-0.5785639805694225	--
Mentha spicata	Inflorescence	--	43000	0.3023882331879371	--
Mentha x piperita	Plant	30000	30000	0.09914512201035752	Fitoterapia No.62: 166.
Mentha x piperita	Shoot	700	1800	-0.771027454835924	--
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	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	--
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	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	--
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	--	--		--