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SCIENCE MEDICINES HEALTH

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Committee on Herbal Medicinal Products (HMPC)

List of references supporting the assessment of *Rosa gallica* L., *Rosa centifolia* L., *Rosa damascena* Mill., flos Rosae flos (Rose flower)

Draft

The Agency acknowledges that copies of the underlying works used to produce this monograph were provided for research only with exclusion of any commercial purpose.

Awale S, Tohda C, Tezuka Y, Miyazaki M, Kadota S. Protective effects of *Rosa damascena* and its active constituent on A β (25-35)-induced neuritic atrophy. *Evid Based Complement Alternat Med.* 2009.

Ayci F, Aydinli M. Gas chromatographic investigation of rose concrete, absolute and solid residue. *Flavour and Fragrance Journal.* 2005, 20(5): 481-486.

Baumann H. Greek wild flowers and plant lore in ancient Greece. The Herbert Press Ltd, London, 1996, 119-121.

Biswas NR, Gupta SK, Das GK, Kumar N, Mongre PK, Haldar D, Beri S. Evaluation of Ophthacare eye drops - a herbal formulation in the management of various ophthalmic disorders. *Phytother Res.* 2001, 15(7):618-620.

Blaschek W, Ebel S, Hackenthal E, Holzgrabe U, Keller K, Reichling J, Schulz V, editors. HagerROM: Hagers Handbuch der Drogen und Arzneistoffe. Version 5.0. Springer Medizin Verlag, Heidelberg, 2006

Blumenthal M. Herbal Medicine – Expanded Commission E Monographs. Integrative Medicine Communications Publishers, Newton, 2000

Boskabady MH, Kiani S, Rakhshandah H. Relaxant effects of *Rosa damascena* on guinea pig tracheal chains and its possible mechanism(s). *J Ethnopharmacol.* 2006, 106(3):377-382. [Epub 2006]

Can Baser KH, Altintas A, Kürkçüoğlu M. Turkish Rose: A review of the history, ethnobotany, and modern uses of Rose Petals, Rose Oil, Rose Water, and other Rose products. HerbalGram. American Botanical Council, 2012



- DAC (Deutscher Arzneimittel-Codex). Deutscher Apotheker-Verlag, Stuttgart 2012
- Duke JA, Bogenschutz-Godwin MJ, duCellier J, Kessler Duke PA. Handbook of Medicinal Herbs. 2nd ed. CRC Press, Boca Raton, 1985, 633.
- Fragaki EK. Contribution to the Plant Local Names. Athens, 1969, 108. [in Greek]
- Gao, X.-M., Yang, L.-Y., Huang, X.-Z., Shu, L.-D., Shen, Y.-Q., Hu, Q.-F., Chen, Z.-Y. Aurones and isoaurones from the flowers of *Rosa damascena* and their biological activities. *Heterocycles* 2013, 87(3):583-589.
- Gennadios P. In: Paraskeva, L. (Ed.), Lexicon Phytologicon. Athens, 1914, 842-846. [in Greek]
- Gimnasios Lavreotis. 407 herbal remedies. Ed. Leon, Athens, 1977, 36-38.
- Gruenwald J, Brendler T, Jaenicke C, LaGow B, editors. PDR for Herbal Medicines. 4th ed. Thomson PDR. Montvale, 2007, 708-709.
- Gholamhoseinian A, Fallah H, Sharifi far F. Inhibitory effect of methanol extract of *Rosa damascena* Mill. flowers on alpha-glucosidase activity and postprandial hyperglycaemia in normal and diabetic rats. *Phytomedicine*. 2009, 16(10):935-941.
- Himesh, S., Nanda, S., Singhai, A.K., Jitender, M. Radical scavenging activities and natural indicator activity of aqueous and ethanolic extract of *Rosa damascena* 2012 *International Journal of Pharmacy and Pharmaceutical Sciences* 2012, 4(5): 581-586.
- Hoseinpour H, Peel SA, Rakhshandeh H, Forouzanfar A, Taheri M, Rajabi O, Saljoghinejad M, Sohrabi K. Evaluation of *Rosa damascena* mouthwash in the treatment of recurrent aphthous stomatitis: a randomized, double-blinded, placebo-controlled clinical trial. *Quintessence International* (Berlin, Germany; 1985) 2011, 42(6): 483-491.
- Jafari M, Zarban A, Pham S, Wang T. The effects of a rose-flower extract, *Rosa damascena*, on the mortality rate of *Drosophila*. *J Med Food* 2008, 11(1):9-13.
- Jafari M, Zarban A, Pham S, Wang T. Indian *Rosa damascena* decreased mortality in adult *Drosophila*. *J Exp Biol*. 2006, 44(11):910-912.
- Kumar N, Bhandari P, Singh B, Bari SS. Antioxidant activity and ultra-performance LC-electrospray ionization-quadrupole time-of-flight mass spectrometry for phenolics-based fingerprinting of Rose species: *Rosa damascena*, *Rosa bourboniana* and *Rosa brunonii*. *Food Chem Toxicol*. 2009, 47(2):361-367. [Epub 2008]
- Kwon EK, Lee DY, Lee H, Kim DO, Baek NI, Kim YE, Kim HY. Flavonoids from the buds of *Rosa damascena* inhibit the activity of 3-hydroxy-3-methylglutaryl-coenzyme a reductase and angiotensin I-converting enzyme. *J Agric Food Chem*. 2010, 58(2):882-886.
- Kwaselow A, Rowe M, Sears-Ewald D, Ownby D. Rose hips: a new occupational allergen. *J Allergy Clin Immunol*. 1990, 85:704-708.
- Madaus G. Lehrbuch der biologischen Heilmittel. Georg Olms Verlag, Hildesheim-New York, 1979. [reprint]

Pharmacopée Française - French Pharmacopoeia XI ed (*Rosa gallica*, Rose rouge) 1989i

Pharmacopée Française - French Pharmacopoeia XI ed (*Rosa centifolia*, Rose pâle) 1989ii

Rakhshandah H, Hosseini M. Potentiation of pentobarbital hypnosis by *Rosa damascena* in mice. *Indian J Exp Biol.* 2006; 44(11): 910-912. [abstract only]

Sadraei H, Asghari G, Emami S. Effect of *Rosa damascena* Mill. flower extract on rat ileum. *Research in Pharmaceutical Sciences.* 2013, 8(4): 277-284. [abstract only]

Saxena, M. , Shakya, A.K., Sharma, N., Shrivastava, S., Shukla, S. Therapeutic efficacy of *Rosa damascena* Mill. on acetaminophen-induced oxidative stress in Albino rats. *J Environmental Pathol Toxicology and Oncology.* 2012, 10:193-201. [abstract only]

[DOI: 10.1615/JEnvironPatholToxicol v31.i3.10]

Shokouhinejad N, Emaneini M, Aligholi M, Jabalameli F. Antimicrobial effect of *Rosa damascena* extract on selected endodontic pathogens. *J Calif Dent Assoc.* 2010, 38(2):123-126.

Tabrizi H, et al. An *in vitro* evaluation of various *Rosa damascena* flower extracts as a natural antisolar agent. *Int J Cosmet Sci.* 2003, 25(6):259-265

Talib WH, Mahasneh AM. Antimicrobial, cytotoxicity and phytochemical screening of Jordanian plants used in traditional medicine. *Molecules.* 2010, 15(3):1811-1824.

Toromanyan E, Aslanyan G, Amroyan E, Gabrielyan E, Panossian A. Efficacy of Slim339[®] in reducing body weight of overweight and obese human subjects. *Phytother Res.* 2007, 21(12):1177-1181.

LINKS

Dr. L. Perry, Roses and their fragrance: <http://perrysperennials.info/articles/rosefrag.html>

Roses, <http://en.wikipedia.org/wiki/Rose>

History of the rose, http://www.herbs2000.com/flowers/r_history.html