



22 May 2012
EMA/HMPC/354158/2011
Committee on Herbal Medicinal Products (HMPC)

List of references supporting the assessment of *Aesculus hippocastanum L.*, cortex

**This document was valid from 22 May 2012 until November 2023.
It is now superseded by a [new version](#) adopted by the HMPC on
22 November 2023 and published on the EMA website.**

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

AFSSAPS - Agence Française de Sécurité Sanitaire des Produits de Santé, Cahiers de l'Agence n°3, 1998

Ambrogini P, Cuppini R, Bruno C and Bombardelli E. Effects of proanthocyanidin on normal and reinnervated rat muscle. *J. Biol. Res. – Bol. Soc. Ital. Biol. Sper.*, 1995, LXXI, n°7-8, 227-234

Bézanger-Beauquesne L, Pinkas M, Torck M. Les plantes dans la thérapeutique moderne. Paris : Maloine, 1975, 55-58

Bézanger-Beauquesne L, Pinkas M, Torck M and Trotin F. *Aesculus hippocastanum L.* Plantes médicinales des régions tempérées. Paris : Maloine, 1980, 2è ed., 164-165

Bombardelli E, Morazzoni P and Griffini A. *Aesculus hippocastanum L.* *Fitoterapia* 1996, 67:483–511

Boullard B. Plantes médicinales du monde, croyances et réalités. Paris : Editions ESTEM, 2001, 14-15

Cals-Grierson M-M. Modulation of activity of the adipocyte aquaglyceroporin channel by plant extracts. *International Journal of Cosmetic Science*, 2007, 29:7-14

Cazin FJ. Traité pratique et raisonné des plantes médicinales indigènes, Paris, 3è ed., 1868, 612-616

Chandler RF. Herbal medicine: horse chestnut. *Can. Pharm. J.*, 1993, 126, 297, 300-306

Comaish JS, Kersey PJ. Contact dermatitis to extract of horse chestnut. *Short communications*, 1980

Farah MH, Edwards R, Linquist M, Leon C, Shaw D. International monitoring of adverse health effects associated with herbal medicines. *Pharmacoepidemiology and drug safety*, 2000, 9, 105-112



Felixsson E, Persson I A-L, Eriksson AC, Persson K. Horse Chestnut Extract contracts bovine vessels and affects human platelet aggregation through 5-HT_{2A} receptors: an *in vitro* study. *Phytother. Res.*, 2010, 24(9):1297-1301

Fleurentin J. Marronnier d'Inde (*Aesculus hippocastanum* L.). Plantes médicinales : traditions et thérapeutiques. Ed. Ouest-France 2008, 24-25

Fournier P. *Marronnier d'Inde – Aesculus hippocastanum* L. Le livre des plantes médicinales et vénéneuses de France. Paris : P. Lechevalier Éditeur, 1948, T.2, 475-479

Garnier G, Bézanger-Beaquesne L, Debraux G. *Hippocastanacées - Aesculus hippocastanum* L. *Marronnier d'Inde*. Ressources médicinales de la flore française. Paris : Vigot, 1961 T.1, 668-674

Girre L. Marronnier d'Inde. Traditions et propriétés des plantes médicinales: histoire de la pharmacopée. Toulouse : Privat, 1997, 191

Heck AM, DeWitt BA, Lukes AL. Potential interactions between alternative therapies and warfarin. *Am J Health-Syst Pharm*, 2000, 57:1221-1230

Hellberg K, Ruschewski W, de Vivie R. Medikamentös bedingtes pos-operatives Nierenversagen nach herzchirurgischen Eingriffen. *Thoraxchirurgie*, 1975, 23, 396-399

Kaneko T, Tahara S, Takabayachi F. Suppression of lipid hydroxide-induced oxidative damage to cellular DNA by Esculetin. *Biol. Pharm. Bull.*, 2003, 26(6):840-844

Klose P., Pistor K. Posttraumatisches Nierenversagen bei 2 Kindern nach Beta-Aescin-Therapie. *Münch. Med Wschr.*, 1976, 118(22), 719-720

Leclerc H. Précis de phytothérapie, 5è ed, Paris : Masson, 1976, 100-101

Leung AY and Foster S. Horse chestnut. Encyclopedia of common natural ingredients used in food, drugs and cosmetics. John Wiley 1996, 304-306

Nagy M. *Human poisoning from horse chestnuts* *JAMA*, 1973, Oct 8, 226, n°2, 213

Ollier C. Marronnier d'Inde. Conseil en phytothérapie. Rueil-Malmaison : Groupe Liaisons santé, 2000, 86

Paris M, Moyse H. Abrégé de matière médicale, Tome 1. Paris : Masson, 1981, 147-150

RTECS - Registry of toxic effects of chemical substances. 2H-1-Benzopyran-2-one, 6-(beta-D-glucopyranosyloxy)-7-hydroxy (Aesculin). NIOSH-DJ3085000 20101126

Schneider E. Des plantes pour votre santé, Dammarie-Les-Lys : Éditions SDT, 1978, 124

Sekiya K, Okuda H, Arichi S. Selective inhibition of platelet lipoxygenase by esculetin. *Biochimica et Biophysica Acta*, 1982, 713:68-72

Senatore F, Mscisz A, Mrugasiewicz K and Gorecki P. Steroidal constituents and anti-inflammatory activity of the horse chestnut (*Aesculus hippocastanum* L.) bark. *Boll. Soc. Ital. Biol. Sper.*, 1989, LXV(2), 137-141

Tagegoshi K., Tohyama T., Okuda, K., Suzuki K., Ohta G. A case of Venoplant®-induced hepatic injury. *Gastroenterologia Japonica*, 1986, 21(1), 62-65

Tubaro A, Del Negro P, Ragazzi E, Zampiron S, Della Loggia R. Anti-inflammatory and peripheral analgesic activity of esculetin *in vivo*. *Pharmacological Research Communications*, 1988, 20(Supp. V):83-85

Uwaifo AO. The mutagenicities of seven coumarin derivatives and a furan derivative (nimbolide) isolated three medicinal plants. *Journal of Toxicology and Environmental Health*, 1984, 13:521-530

Wichtl M et al. *Plantes thérapeutiques*, 2^e ed. Paris : Editions Tec et Doc/EM Inter, 2003, 294-296

References accessed but not cited in the assessment report

Artault de Vevey S. *Anjou Med.*, 1909 *Bull. Sc. Pharmacol.* 1908, 15:696-704

Brinker F. *Herb Contraindications and Drug Interactions*, 3rd ed. Sandy, OR: Eclectic Medical Publications; 2001:120

Hellum B, Hu Z, Nilsen OG. *The induction of CYP1A2, CYP2D6 and CYP3A4 by six trade herbal products in cultured primary human hepatocytes*. *Basic Clin Pharmacol Toxicol* 2007, 100: 23–30

Rehn D, Unkauf M, Klein P, Jost V, Lücker PW. *Comparative clinical efficacy and tolerability of oxerutins and horse chestnut extract in patients with chronic venous insufficiency*. *Arzneimittelforschung*, 1996 May, 46(5):483-487

Superseded