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Committee on Herbal Medicinal Products (HMPC)

List of references supporting the assessment of *Potentilla erecta* (L.) Raeusch., rhizome

Tormentillae rhizoma
(tormentil)

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.

Augustin M, Hoch Y. Phytotherapie bei Hauterkrankungen. Elsevier GmbH, München 2004

Benedum J, Loew D, Schilcher H. Arzneipflanzen in der Traditionellen Medizin. 4th ed. Kooperation Phytopharmaka, Bonn 2006

Blaschek W, Ebel S, Hackenthal E, Holzgrabe U, Keller K, Reichling J, Schulz V. editors HagerROM 2008: Hagers Handbuch der Drogen und Arzneistoffe. Springer Medizin Verlag, Heidelberg 2008

Blumenthal M, Busse WR, Goldberg A, Gruenwald J, et al., editors. The complete German commission E monographs. American Botanical Council, Austin 1998

Bos MA, Vennat B, Meunier MT, Pouget MP, Pourrat A, Fialip J. Procyanidins from Tormentil: antioxidant properties towards lipoperoxidation and anti-elastase activity. Biol Pharm Bull 1996, 19:146-148

Chandak PG, Gaikwad AB, Tikoo K. Gallotannin ameliorates the development of Streptozotocin-induced diabetic nephropathy by preventing the activation of PARP. Phytother Res 2009, 23:72-77

Dingermann T, Loew D. Phytopharmakologie. Wissenschaftliche Verlagsgesellschaft mbH, Stuttgart 2003

Drozd J, Anuszewska E. The influence of plant raw materials, containing ellagic acid and selected antibiotics on immunological response in mice. Acta Pol Pharm 2005, 62:237-240

Fintelmann V, Weiss R. Lehrbuch der Phytotherapie. Hippokrates Verlag Stuttgart 2002

Hänsel R, Sticher O. Pharmakognosie – Phytopharmazie. Springer, Heidelberg 2007



Hrenn A, Steinbrecher T, Labahn A, Schwager J, Schempp CM, Merfort I. Plant phenolics inhibit neutrophil elastase. *Planta Med* 2006, 72:1127-1131

Huber R, von Ditfurth A, Amann F, Güthlin C, Rostock M, Tritler R, Kümmerer K, Merfort I. Tormentil for active ulcerative colitis. *J Clin Gastroenterol* 2007, 41:834-838

Ivorra MD, Paya M, Villar A. Hypoglycemic and insulin release effects of tormentic acid: a new hypoglycemic natural product. *Planta Med* 1988, 54(4):282-285

Jänicke C, Grünwald J, Brendler T. *Handbuch Phytotherapie*. Wissenschaftliche Verlagsgesellschaft mbH, Stuttgart, 2003

Kanoh R, Hatano T, Ito H, Yoshida T, Akagi M. Effects of tannins and related polyphenols on superoxide-induced histamine release from rat peritoneal mast cells. *Phytomedicine* 2000, 7:297-302

Kraft K. *Checkliste Phytotherapie*. Georg Thieme Verlag Stuttgart 2000

Langmead L, Dawson C, Hawkins C, Banna N, Loo S, Rampton DS. Antioxidant effects of herbal therapies used by patients with inflammatory bowel disease: an in vitro study. *Aliment Pharmacol Ther* 2002, 16:197-205

List PH, Hörhammer L. *Hager's Handbuch der pharmazeutischen Praxis*. Springer Verlag, Berlin 1975

Lund K, Rimpler H. Tormentil rhizome: isolation of an ellagitannin and pharmacological screening. *Dtsch. Apoth. Ztg.* 1985, 125:105-108

Madaus, G. *Lehrbuch der biologischen Heilmittel*. Georg Thieme Verlag, Leipzig, 1938

May G, Willuhn G. Antiviral effect of aqueous plant extracts in tissue culture. *Arzneimittelforschung* 1978; 28:1-7

Miyamoto K, Kishi N, Koshiura R. Antitumor effect of agrimonin, a tannin of *Agrimonia pilosa* Ledeb., on transplantable rodent tumors. *Jpn J Pharmacol* 1987, 43:187-195

Miyamoto K, Kishi N, Murayama T, Furukawa T, Koshiura R. Induction of cytotoxicity of peritoneal exudate cells by agrimonin, a novel immunomodulatory tannin of *Agrimonia pilosa* Ledeb. *Cancer Immunol Immunother* 1988, 27:59-62

Murayama T, Kishi N, Koshiura R, Takagi K, Furukawa T, Miyamoto K. Agrimonin, an antitumor tannin of *Agrimonia pilosa* Ledeb., induces interleukin-1. *Anticancer Res* 1992, 12:1471-1474

Mutschler E, Geisslinger G, Kroemer HK, Ruth P, Schäfer-Korting M. *Mutschler Arzneimittelwirkungen*. Wissenschaftliche Verlagsgesellschaft mbH, Stuttgart 2008

Schaufelberger D, Hostettmann K. On the molluscicidal activity of tannin containing plants. *Planta Med* 1983, 48:105-107

Scholz E. *Pflanzliche Gerbstoffe. Pharmakologie und Toxikologie*. *Dtsch Apoth Ztg* 1994, 134:3167-3179

Shushunov S, Balashov L, Kravtsova A, Krasnogorsky I, Latte KP, Vasiliev A. Determination of acute toxicity of the aqueous extract of *Potentilla erecta* (tormentil) rhizomes in rats and mice. *J Med Food* 2009, 12:1173-1176

Subbotina MD, Timchenko VN, Vorobyov MM, Konunova YS, Aleksandrovih YS, Shushunov S. Effect of oral administration of tormentil root extract (*Potentilla tormentilla*) on rotavirus diarrhoea in children: a randomized, double blind, controlled trial. *Pediatr Infect Dis J* 2003, 22:706-710

Vennat B, Bos MA, Pourrat A, Bastide P. Procyanidins from tormentil : fractionation and study of the anti-radical activity towards superoxide anion. Biol Pharm Bull 1994, 17:1613-1615

Weiβ RF. Lehrbuch der Phytotherapie. Hippokrates Verlag, Stuttgart 1985

Wichtl M. Teedrogen und Phytopharmaka. Wissenschaftliche. Verlagsgesellschaft mbH, Stuttgart