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Committee on Herbal Medicinal Products (HMPC)

List of references supporting the assessment of *Grindelia robusta* Nutt., *Grindelia squarrosa* (Pursh) Dunal, *Grindelia humilis* Hook. et Arn., *Grindelia camporum* Greene, herba

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.

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

Blumenthal M, Busse WR, Goldberg A, Gruenwald J, et al., editors. The Complete German Commission E Monographs. American Botanical Council, Austin Texas 1998, 140-141

British Herbal Pharmacopoeia (BHP). 1976. Vol. 1, BHMA Monograph „*Grindelia*“. British Herbal Medicine Association, Exeter 1976

Belgische Farmacopee 5th edition. Volume III. 1969, 233-235

Canavan D, Yarnell E. Successful treatment of poison oak dermatitis treated with *Grindelia* spp. (Gumweed). *J. Altern Complement Med* 2005, 11(4):709-710.

Didry N, Pinkas M, Torck M. Sur la composition chimique et activité antibactérienne des feuilles de diverses espèces de *Grindelia*. *Plantes Med Phytother* 1982, 16: 7-15. (Abstract only)

Duke JA, Bogenschutz-Godwin MJ, duCellier J, Kessler Duke PA. Handbook of Medicinal Herbs. 2nd ed. CRC Press, Boca Raton 1985, 362-363

EI-Shamy AM, EI-Hawary SS, EI-Shabrawy AO, EI-Hefenawy HM, Glasl H. Essential oil composition of the three *Grindelia* species. *J Essent Oil Res* 2000, 12:631-634



ESCOP Monographs. 2nd Edition. *Grindeliae Herba monograph*. European Scientific Cooperative on Phytotherapy, editor. Georg Thieme Verlag, Stuttgart, Supplement 2009, 131-134

Fraternale D, Giamperi L, Bucchini A, Ricci D. Essential oil composition and antioxidant activity of aerial parts of *Grindelia robusta* from Central Italy. *Fitoterapia*. 2007, 78(6):443-445

Gruenwald J, Brendler T, Jaenicke C, LaGow B, editors. PDR for Herbal Medicines. 4th ed. Thomson PDR, Montvale 2007, 429-430

Izzo AA, Capasso R, Senatore F, Seccia S, Morrica P. Spasmolytic activity of medicinal plants used for the treatment of disorders involving smooth muscles. *Phytother Res* 1996, 10: 107-108

Krenn L, Wollenweber E, Steyrleuthner K, Görick C, Melzig MF. Contribution of methylated exudate flavonoids to the anti-inflammatory activity of *Grindelia robusta*. *Fitoterapia*. 2009, 80(5):267-269

Kreutzer S, Shimmer O, Waibel R. Tritepenoid- sapogenine in der Gattung *Grindelia*. *Planta Med* 1990, 56: 392-394

La VD, Lazzarin F, Ricci D, Fraternale D, Genovese S, Epifano F, Grenier D. Active principles of *Grindelia robusta* exert antiinflammatory properties in a macrophage model. *Phytother Res* 2010, 24(11):1687-1692

Madaus G. Lehrbuch der biologischen Heilmittel. *Grindelia robusta*. Georg Olms Verlag, Hildesheim-New York 1979 (reprint)

Mascolo N, Autore G, Capasso F, Menghini A, Fasullo MP. Biological screening of Italian medicinal plants for anti-inflammatory activity. *Phytother Res* 1987, 1:28-31

Paris R.R. & Moyse H. Matiere Medicale Tome III, Masson et Cie 1971, 431-433

Pharmacopée Française - French Pharmacopoeia ed (Grindélia - *Grindelia* sp. 1998)

Pinkas M, Didry N, Torck M, Bezangen L, Cazin J-C. Recherches sur les polyphenols de quelque espèces de Grindélia. *Ann Pharm Fr* 1978, 36:97-104 (Abstract only).

Schäfer M, Schimmer O. Composition of the essential oils from flowers, leaves and steams of *Grindelia robusta* and *G. squarrosa*. *J Essent Oil Res* 2000, 12:547-552.

Verma N, Tripathi SK, Sahu D, Das HR, Das RH. Evaluation of inhibitory activities of plant extracts on production of LPS-stimulated pro-inflammatory mediators in J774 murine macrophages *Mol Cell Biochem*. 2010, 336(1-2):127-135.

Zabka M, Pavela R, Gabrielova-Slezakova L. Promising antifungal effect of some Euro-Asiatic plants against dangerous pathogenic and toxinogenic fungi. *J Sci Food Agric* 2011, 91(3):492-497.