

References

Red Clover

- 836
- Nestel PJ, Pomeroy S, Kay S, et al. Isoflavones from red clover improve systemic arterial compliance but not plasma lipids in menopausal women. *J Clin Endocrinol Metab* 1999;84:895-8. [View abstract](#).
- 1999
- Janssen K, Mensink RP, Cox FJ, et al. Effects of the flavonoids quercetin and apigenin on hemostasis in healthy volunteers: results from an in vitro and a dietary supplement study. *Am J Clin Nutr* 1998;67:255-62. [View abstract](#).
- 2000
- Freeland-Graves JH, Lin PH. Plasma uptake of manganese as affected by oral loads of manganese, calcium, milk, phosphorus, copper, and zinc. *J Am Coll Nutr* 1991;10:38-43. [View abstract](#).
- 2001
- Krieger D, Krieger S, Jansen O, et al. Manganese and chronic hepatic encephalopathy. *Lancet* 1995;346:270-4. [View abstract](#).
- 2002
- O'Dell BL. Mineral interactions relevant to nutrient requirements. *J Nutr* 1989;119:1832-8. [View abstract](#).
- 2003
- Moghissi KS. Risks and benefits of nutritional supplements during pregnancy. *Obstet Gynecol* 1981;58:68S-78S. [View abstract](#).
- 3375
- Howes JB, Sullivan D, Lai N, et al. The effects of dietary supplementation with isoflavones from red clover on the lipoprotein profiles of postmenopausal women with mild to moderate hypercholesterolemia. *Atherosclerosis* 2000;152:143-7. [View abstract](#).
- 3376
- Umland EM, Cauffield JS, Kirk JK, et al. Phytoestrogens as therapeutic alternatives to traditional hormone replacement in postmenopausal women. *Pharmacotherapy* 2000;20:981-90. [View abstract](#).
- 3387
- Zand RS, Jenkins DJ, Diamandis EP. Steroid hormone activity of flavonoids and related compounds. *Breast Cancer Res Treat* 2000;62:35-49. [View abstract](#).
- 3401
- Anderson JW, Johnstone BM, Cook-Newell ME. Meta-analysis of the effects of soy protein intake on serum lipids. *N Engl J Med* 1995;333:276-82. [View abstract](#).
- 3701
- Zava DT, Dollbaum CM, Blen M. Estrogen and progestin bioactivity of foods, herbs, and spices. *Proc Soc Exp Biol Med* 1998;217:369-78. [View abstract](#).
- 3979
- Setchell KD. Phytoestrogens: the biochemistry, physiology, and implications for human health of soy isoflavones. *Am J Clin Nutr* 1998;68:1333S-46S. [View abstract](#).
- 3982
- Setchell KD. Absorption and metabolism of soy isoflavones-from food to dietary supplements and adults to infants. *J Nutr* 2000;130:654S-5S. [View abstract](#).
- 3983
- Barnes S, Kim H, Darley-Usmar V, et al. Beyond ERalpha and ERbeta: Estrogen receptor binding is only part of the isoflavone story. *J Nutr* 2000;130:656S-7S. [View abstract](#).
- 3988
- Baird DD, Umbach DM, Lansdell L, et al. Dietary intervention study to assess estrogenicity of dietary soy among postmenopausal women. *J Clin Endocrinol Metab* 1995;80:1685-90. [View abstract](#).
- 3989

- Duncan AM, Underhill KE, Xu X, et al. Modest hormonal effects of soy isoflavones in postmenopausal women. *J Clin Endocrinol Metab* 1999;84:3479-84. [View abstract](#). **3990**
- Ginsburg J, Prelevic GM. Lack of significant hormonal effects and controlled trials of phyto-oestrogens. *Lancet* 2000;355:163-4. [View abstract](#). **3992**
- Anthony MS. Soy and cardiovascular disease: Cholesterol lowering and beyond. *J Nutr* 2000;130:662S-3S. [View abstract](#). **3994**
- Hargreaves DF, Potten CS, Harding C, et al. Two-week dietary soy supplementation has an estrogenic effect on normal premenopausal breast. *J Clin Endocrinol Metab* 1999;84:4017-24. [View abstract](#). **4735**
- Setchell KD, Gosselin SJ, Welsh MB, et al. Dietary estrogens--a probable cause of infertility and liver disease in captive cheetahs. *Gastroenterol* 1987;93:225-33. [View abstract](#). **4738**
- Hodgson JM, Puddey IB, Beilin LJ, et al. Supplementation with isoflavanoid phytoestrogens does not alter serum lipid concentrations: a randomized controlled trial in humans. *J Nutr* 1998;128:728-32. [View abstract](#). **4740**
- Yanagihara K, Ito A, Toge T, Numoto M. Antiproliferative effects of isoflavones on human cancer cell lines established from the gastrointestinal tract. *Cancer Res* 1993;53:5815-21. [View abstract](#). **4741**
- Le Bail JC, Champavier Y, Chulia AJ, Habrioux G. Effects of phytoestrogens on aromatase, 3beta and 17beta-hydroxysteroid dehydrogenase activities and human breast cancer cells. *Life Sci* 2000;66:1281-91. [View abstract](#). **4742**
- Cassady JM, Zennie TM, Chae YH, et al. Use of a mammalian cell culture benzo(a)pyrene metabolism assay for the detection of potential anticarcinogens from natural products: inhibition of metabolism by biochanin A, an isoflavone from Trifolium pratense L. *Cancer Res* 1988;48:6257-61. [View abstract](#). **4743**
- Kurzer MS, Xu X. Dietary phytoestrogens. *Annu Rev Nutr* 1997;17:353-81. [View abstract](#). **4912**
- Electronic Code of Federal Regulations. Title 21. Part 182 -- Substances Generally Recognized As Safe. Available at:
<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?CFRPart=182> **6029**
- Setchell KD, Cassidy A. Dietary isoflavones: biological effects and relevance to human health. *J Nutr* 1999;129:758S-67S. [View abstract](#). **6030**
- Lissin LW, Cooke JP. Phytoestrogens and cardiovascular health. *J Am Coll Cardiol* 2000;35:1403-10. [View abstract](#). **6127**
- Atkinson C, Compston JE, Day NE, et al. The effects of phytoestrogen isoflavones on bone density in women: a double-blind, randomized, placebo-controlled trial. *Am J Clin Nutr* 2004;79:326-33. [View abstract](#). **6128**
- Gerber G, Lowe FC, Spigelman S. The use of a standardized extract of red clover isoflavones for the alleviation of BPH symptoms. *Endocrine Soc 82nd Ann Mtg, Toronto, CAN 2000;Jun 21-4:abstract 2359.* **6450**
- Budzinski JW, Foster BC, Vandenhoek S, Arnason JT. An in vitro evaluation of human cytochrome P450 3A4 inhibition by selected commercial herbal extracts and tinctures. *Phytomedicine* 2000;7:273-82. [View abstract](#). **7344**

- Vincent A, Fitzpatrick LA. Soy isoflavones: are they useful in menopause? Mayo Clin Proc 2000;75:1174-84. [View abstract](#). **8192**
- This P, De La Rochedordiere A, Clough K, et al. Phytoestrogens after breast cancer. Endocr Relat Cancer 2001;8:129-34. [View abstract](#). **8193**
- Howes J, Waring M, Huang L, Howes LG. Long-term pharmacokinetics of an extract of isoflavones from red clover (*Trifolium pratense*). J Altern Complement Med 2002;8:135-42. [View abstract](#). **8194**
- Tice J, Cummings SR, Ettinger B, et al. Few adverse effects of two red clover extracts rich in phytoestrogens: a multicenter, placebo-controlled trial. Alt Ther 2001;7:S33. **8502**
- Simons LA, von Konigsmark M, Simons J, Celermajer DS. Phytoestrogens do not influence lipoprotein levels or endothelial function in healthy, postmenopausal women. Am J Cardiol 2000;85:1297-301. [View abstract](#). **8925**
- van de Weijer P, Barentsen R. Isoflavones from red clover (Promensil) significantly reduce menopausal hot flush symptoms compared with placebo. Maturitas 2002;42:187-93. [View abstract](#). **8964**
- Simons LA, von Konigsmark M, Simons J, Celermajer DS. Phytoestrogens do not influence lipoprotein levels or endothelial function in healthy, postmenopausal women. Am J Cardiol 2000;85:1297-301. [View abstract](#). **9346**
- Anon. The role of isoflavones in menopausal health: consensus opinion of the North American Menopause Society. Menopause 2000;7:215-29.. [View abstract](#). **9552**
- Ingram DM, Hickling C, West L, et al. A double-blind randomized controlled trial of isoflavones in the treatment of cyclical mastalgia. The Breast 2002;11:170-4. [View abstract](#). **9553**
- Nelsen J, Barrette E, Tsouronix C, et al. Red clover (*Trifolium pratense*) monograph: A clinical decision support tool. J Herb Pharmacother 2002;2:49-72. [View abstract](#). **9998**
- Liu J, Burdette JE, Xu H, et al. Evaluation of estrogenic activity of plant extracts for the potential treatment of menopausal symptoms. J Agric Food Chem 2001;49:2472-9.. [View abstract](#). **10372**
- Horn-Ross PL, John EM, Canchola AJ, et al. Phytoestrogen intake and endometrial cancer risk. J Natl Cancer Inst 2003;95:1158-64.. [View abstract](#). **10948**
- Clifton-Bligh PB, Baber RJ, Fulcher GR, et al. The effect of isoflavones extracted from red clover (Rimostil) on lipid and bone metabolism. Menopause 2001;8:259-65. [View abstract](#). **10975**
- Baber RJ, Templeman C, Morton T, et al. Randomized placebo-controlled trial of an isoflavone supplement and menopausal symptoms in women. Climacteric 1999;2:85-92.. [View abstract](#). **10976**
- Knight DC, Howes JB, Eden JA. The effect of Promensil, an isoflavone extract, on menopausal symptoms. Climacteric 1999;2:79-84.. [View abstract](#). **10977**
- Puschner B, Galey FD, Holstege DM, et al. Sweet clover poisoning in dairy cattle in California. J Am Vet Med Assoc 1998;212:857-9.. [View abstract](#). **10991**
- Tice JA, Ettinger B, Ensrud K, et al. Phytoestrogen supplements for the treatment of hot flashes: the Isoflavone Clover Extract (ICE) study: a randomized controlled trial. JAMA 2003;290:207-14.. [View abstract](#). **11089**

- Schult TM, Ensrud KE, Blackwell T, et al. Effect of isoflavones on lipids and bone turnover markers in menopausal women. *Maturitas* 2004;48:209-18. [View abstract](#). **11090**
- Roberts DW, Doerge DR, Churchwell MI, et al. Inhibition of extrahepatic human cytochromes P450 1A1 and 1B1 by metabolism of isoflavones found in *Trifolium pratense* (red clover). *J Agric Food Chem* 2004;52:6623-32. [View abstract](#). **11091**
- Atkinson C, Oosthuizen W, Scollen S, et al. Modest protective effects of isoflavones from a red clover-derived dietary supplement on cardiovascular disease risk factors in perimenopausal women, and evidence of an interaction with ApoE genotype in 49-65 year-old women. *J Nutr* 2004;134:1759-64. [View abstract](#). **11092**
- Hale GE, Hughes CL, Robboy SJ, et al. A doubleblind randomized study on the effects of red clover isoflavones on the endometrium. *Menopause* 2001;8:338-46. [View abstract](#). **11238**
- Geller J, Sionit L, Partido C, et al. Genistein inhibits the growth of human-patient BPH and prostate cancer in histoculture. *Prostate* 1998;34:75-9. [View abstract](#). **11239**
- Jarred RA, McPherson SJ, Jones ME, et al. Anti-androgenic action by red clover-derived dietary isoflavones reduces non-malignant prostate enlargement in aromatase knockout (ArKo) mice. *Prostate* 2003;56:54-64. [View abstract](#). **11240**
- Risbridger GP, Wang H, Frydenberg M, Husband A. The in vivo effect of red clover diet on ventral prostate growth in adult male mice. *Reprod Fertil Dev* 2001;13:325-9. [View abstract](#). **11391**
- Keinan-Boker L, van Der Schouw YT, Grobbee DE, Peters PH. Dietary phytoestrogens and breast cancer risk. *Am J Clin Nutr* 2004;79:282-8. [View abstract](#). **12479**
- Unger M, Frank A. Simultaneous determination of the inhibitory potency of herbal extracts on the activity of six major cytochrome P450 enzymes using liquid chromatography/mass spectrometry and automated online extraction. *Rapid Commun Mass Spectrom* 2004;18:2273-81. [View abstract](#). **13027**
- Atkinson C, Warren RM, Sala E, et al. Red clover-derived isoflavones and mammographic breast density: a double-blind, randomized, placebo-controlled trial [ISRCTN42940165]. *Breast Cancer Res* 2004;6:R170-R179. [View abstract](#). **13155**
- Cheong JL, Bucknall R. Retinal vein thrombosis associated with a herbal phytoestrogen preparation in a susceptible patient. *Postgrad Med J* 2005;81:266-7.. [View abstract](#). **15850**
- Nelson HD, Vesco KK, Haney E, et al. Nonhormonal therapies for menopausal hot flashes: systematic review and meta-analysis. *JAMA* 2006;295:2057-71. [View abstract](#). **15851**
- Krebs EE, Ensrud KE, MacDonald R, Wilt TJ. Phytoestrogens for treatment of menopausal symptoms: a systematic review. *Obstet Gynecol* 2004;104:824-36. [View abstract](#). **17091**
- Geller SE, Shulman LP, van Breemen RB, et al. Safety and efficacy of black cohosh and red clover for the management of vasomotor symptoms: a randomized controlled trial. *Menopause* 2009;16:1156-66. [View abstract](#). **17103**
- Lipovac M, Chedraui P, Gruenhut C, et al. Improvement of postmenopausal depressive and anxiety symptoms after treatment with isoflavones derived from red clover extracts. *Maturitas* 2010;65:258-61. [View abstract](#). **19265**
- Ingram D, Sanders K, Kolybaba M, Lopez D. Case-control study of phyto-oestrogens and breast cancer. *Lancet* 1997;350:-990-4. [View abstract](#). **19449**

Howes JB, Tran D, Brillante D, Howes LG. Effects of dietary supplementation with isoflavones from red clover on ambulatory blood pressure and endothelial function in postmenopausal type 2 diabetes. *Diabetes Obes Metab* 2003;5(5):325-332. [View abstract](#)

19450

Blakesmith SJ, Lyons-Wall PM, George C, et al. Effects of supplementation with purified red clover (*Trifolium pratense*) isoflavones on plasma lipids and insulin resistance in healthy premenopausal women. *Br J Nutr* 2003;89(4):467-474. [View abstract](#)

19540

Loing E, Lachance R, Ollier V, Hocquaux M. A new strategy to modulate alopecia using a combination of two specific and unique ingredients. *J Cosmet Sci* 2013;64(1):45-58. [View abstract](#)

19542

Terzic MM, Dotlic J, Maricic S, et al. Influence of red clover-derived isoflavones on serum lipid profile in postmenopausal women. *J Obstet Gynaecol Res* 2009;35(6):1091-1095. [View abstract](#)

19543

Samman S, Lyons Wall PM, Chan GS, et al. The effect of supplementation with isoflavones on plasma lipids and oxidisability of low density lipoprotein in premenopausal women. *Atherosclerosis* 1999;147(2):277-283. [View abstract](#)

19544

Chedraui P, San Miguel G, Hidalgo L, et al. Effect of *Trifolium pratense*-derived isoflavones on the lipid profile of postmenopausal women with increased body mass index. *Gynecol Endocrinol* 2008;24(11):620-624. [View abstract](#)

19545

Hidalgo LA, Chedraui PA, Morocho N, et al. The effect of red clover isoflavones on menopausal symptoms, lipids and vaginal cytology in menopausal women: a randomized, double-blind, placebo-controlled study. *Gynecol Endocrinol* 2005;21(5):257-264. [View abstract](#)

19547

Weaver CM, Martin BR, Jackson GS, et al. Antiresorptive effects of phytoestrogen supplements compared with estradiol or risedronate in postmenopausal women using (41)Ca methodology. *J Clin Endocrinol Metab* 2009;94(10):3798-3805. [View abstract](#)

19548

Coon JT, Pittler MH, Ernst E. *Trifolium pratense* isoflavones in the treatment of menopausal hot flushes: a systematic review and meta-analysis. *Phytomedicine* 2007;14(2-3):153-159. [View abstract](#)

19549

del Giorno C, Fonseca AM, Bagnoli VR, et al. Effects of *Trifolium pratense* on the climacteric and sexual symptoms in postmenopause women. *Rev Assoc Med Bras* 2010;56(5):558-562. [View abstract](#)

19550

Imhof M, Gocan A, Reithmayr F, et al. Effects of a red clover extract (MF11RCE) on endometrium and sex hormones in postmenopausal women. *Maturitas* 2006;55(1):76-81. [View abstract](#)

19551

Baber R, Clifton Bligh P, Fulcher G, et al. The effect of an isoflavone extract (PO81) on serum lipids, forearm bone density and endometrial thickness in postmenopausal women [Abstract]. Proceedings of the North American Menopause Society (New York, 1999).

19552

Rotem C, Kaplan B. Phyto-Female Complex for the relief of hot flushes, night sweats and quality of sleep: randomized, controlled, double-blind pilot study. *Gynecol Endocrinol* 2007;23:117-22. [View abstract](#)

19553

Maki PM, Rubin LH, Fornelli D, et al. Effects of botanicals and combined hormone therapy on cognition in postmenopausal women. *Menopause* 2009;16:1167-77. [View abstract](#)

19554

Howes JB, Bray K, Lorenz L, et al. The effects of dietary supplementation with isoflavones from red clover on cognitive function in postmenopausal women. *Climacteric* 2004;7(1):70-77. [View abstract](#)

- 19555
- Campbell MJ, Woodside JV, Honour JW, et al. Effect of red clover-derived isoflavone supplementation on insulin-like growth factor, lipid and antioxidant status in healthy female volunteers: a pilot study. *Eur J Clin Nutr* 2004;58(1):173-179. [View abstract.](#)
- 19556
- Powles TJ, Howell A, Evans DG, et al. Red clover isoflavones are safe and well tolerated in women with a family history of breast cancer. *Menopause Int* 2008;14(1):6-12. [View abstract.](#)
- 19557
- Guerrero JA, Lozano ML, Castillo J, et al. Flavonoids inhibit platelet function through binding to the thromboxane A2 receptor. *J Thromb Haemost* 2005;3(2):369-376. [View abstract.](#)
- 19558
- Kondo K, Suzuki Y, Ikeda Y, Umemura K. Genistein, an isoflavone included in soy, inhibits thrombotic vessel occlusion in the mouse femoral artery and in vitro platelet aggregation. *Eur J Pharmacol* 2002;455(1):53-57. [View abstract.](#)
- 19559
- Polini N, Rauschemberger MB, Mendiberri J, et al. Effect of genistein and raloxifene on vascular dependent platelet aggregation. *Mol Cell Endocrinol* 2007;267(1-2):55-62. [View abstract.](#)
- 19560
- Wuttke W, Jarry H, Seidlova-Wuttke D. Plant-derived alternative treatments for the aging male: facts and myths. *Aging Male* 2010;13(2):75-81. [View abstract.](#)
- 19729
- Villaseca P. Non-estrogen conventional and phytochemical treatments for vasomotor symptoms: what needs to be known for practice. *Climacteric* 2012;15(2):115-124. [View abstract.](#)
- 35860
- Umland, E. M. Treatment strategies for reducing the burden of menopause-associated vasomotor symptoms. *J.Manag.Care Pharm.* 2008;14(3 Suppl):14-19. [View abstract.](#)
- 35917
- Kelley, K. W. and Carroll, D. G. Evaluating the evidence for over-the-counter alternatives for relief of hot flashes in menopausal women. *J.Am.Pharm.Assoc.(2003.)* 2010;50(5):e106-e115. [View abstract.](#)
- 35922
- Shulman, L. P., Banuvar, S., Fong, H. H., and Farnsworth, N. R. Discussion of a well-designed clinical trial which did not demonstrate effectiveness: UIC center for botanical dietary supplements research study of black cohosh and red clover. *Fitoterapia* 2011;82(1):88-91. [View abstract.](#)
- 70409
- Finking, G., Wohlfstrom, M., Lenz, C., Wolkenhauer, M., Eberle, C., and Hanke, H. The phytoestrogens Genistein and Daidzein, and 17 beta-estradiol inhibit development of neointima in aortas from male and female rabbits in vitro after injury. *Coron.Artery Dis.* 1999;10(8):607-615. [View abstract.](#)
- 70410
- Domon, O. E., McGarrity, L. J., Bishop, M., Yoshioka, M., Chen, J. J., and Morris, S. M. Evaluation of the genotoxicity of the phytoestrogen, coumestrol, in AHH- 1 TK(+-) human lymphoblastoid cells. *Mutat.Res* 3-1-2001;474(1-2):129-137. [View abstract.](#)
- 70411
- Rosenberg Zand, R. S., Jenkins, D. J., and Diamandis, E. P. Effects of natural products and nutraceuticals on steroid hormone-regulated gene expression. *Clin Chim.Acta* 2001;312(1-2):213-219. [View abstract.](#)
- 70412
- Burdette, J. E., Liu, J., Lantvit, D., Lim, E., Booth, N., Bhat, K. P., Hedayat, S., van Breemen, R. B., Constantinou, A. I., Pezzuto, J. M., Farnsworth, N. R., and Bolton, J. L. *Trifolium pratense* (red clover) exhibits estrogenic effects in vivo in ovariectomized Sprague-Dawley rats. *J Nutr* 2002;132(1):27-30. [View abstract.](#)
- 70413
- Jarred, R. A., Keikha, M., Dowling, C., McPherson, S. J., Clare, A. M., Husband, A. J., Pedersen, J. S., Frydenberg, M., and Risbridger, G. P. Induction of apoptosis in low to moderate-grade

human prostate carcinoma by red clover-derived dietary isoflavones. *Cancer Epidemiol.Biomarkers Prev.* 2002;11(12):1689-1696. [View abstract](#).

70414

Suh, K. S., Koh, G., Park, C. Y., Woo, J. T., Kim, S. W., Kim, J. W., Park, I. K., and Kim, Y. S. Soybean isoflavones inhibit tumor necrosis factor-alpha-induced apoptosis and the production of interleukin-6 and prostaglandin E2 in osteoblastic cells. *Phytochemistry* 2003;63(2):209-215. [View abstract](#).

70415

Chan, H. Y., Wang, H., and Leung, L. K. The red clover (*Trifolium pratense*) isoflavone biochanin A modulates the biotransformation pathways of 7,12-dimethylbenz[a]anthracene. *Br J Nutr* 2003;90(1):87-92. [View abstract](#).

70416

Blakesmith, S. J., Lyons-Wall, P. M., Joannou, G. E., Petocz, P., and Samman, S. Urinary isoflavonoid excretion is inversely associated with the ratio of protein to dietary fibre intake in young women. *Eur.J Clin Nutr* 2005;59(2):284-290. [View abstract](#).

70417

Vrieling, A., Rookus, M. A., Kampman, E., Bonfrer, J. M., Korse, C. M., van Doorn, J., Lampe, J. W., Cats, A., Witteman, B. J., van Leeuwen, F. E., van't Veer, L. J., and Voskuil, D. W. Isolated isoflavones do not affect the circulating insulin-like growth factor system in men at increased colorectal cancer risk. *J Nutr* 2007;137(2):379-383. [View abstract](#).

70418

Nissan, H. P., Lu, J., Booth, N. L., Yamamura, H. I., Farnsworth, N. R., and Wang, Z. J. A red clover (*Trifolium pratense*) phase II clinical extract possesses opiate activity. *J Ethnopharmacol* 5-30-2007;112(1):207-210. [View abstract](#).

70419

Friedman, J. A., Taylor, S. A., McDermott, W., and Alikhani, P. Multifocal and recurrent subarachnoid hemorrhage due to an herbal supplement containing natural coumarins. *Neurocrit.Care* 2007;7(1):76-80. [View abstract](#).

70420

Wang, Y., Man, Gho W., Chan, F. L., Chen, S., and Leung, L. K. The red clover (*Trifolium pratense*) isoflavone biochanin A inhibits aromatase activity and expression. *Br.J Nutr* 2008;99(2):303-310. [View abstract](#).

70421

Medjakovic, S. and Jungbauer, A. Red clover isoflavones biochanin A and formononetin are potent ligands of the human aryl hydrocarbon receptor. *J.Steroid Biochem.Mol.Biol.* 2008;108(1-2):171-177. [View abstract](#).

70422

Tomar, R. S. and Shiao, R. Early life and adult exposure to isoflavones and breast cancer risk. *J.Environ.Sci.Health C.Environ.Carcinog.Ecotoxicol.Rev.* 2008;26(2):113-173. [View abstract](#).

70423

Peterson, G. and Barnes, S. Genistein inhibition of the growth of human breast cancer cells: independence from estrogen receptors and the multi-drug resistance gene. *Biochem.Biophys.Res.Commun.* 8-30-1991;179(1):661-667. [View abstract](#).

70424

Vrieling, A., Rookus, M. A., Kampman, E., Bonfrer, J. M., Bosma, A., Cats, A., van, Doorn J., Korse, C. M., Witteman, B. J., van Leeuwen, F. E., van't Veer, L. J., and Voskuil, D. W. No effect of red clover-derived isoflavone intervention on the insulin-like growth factor system in women at increased risk of colorectal cancer. *Cancer Epidemiol.Biomarkers Prev.* 2008;17(10):2585-2593. [View abstract](#).

70425

Reiter, E., Beck, V., Medjakovic, S., Mueller, M., and Jungbauer, A. Comparison of hormonal activity of isoflavone-containing supplements used to treat menopausal complaints. *Menopause*. 2009;16(5):1049-1060. [View abstract](#).

70426

Hamilton-Reeves, J. M., Vazquez, G., Duval, S. J., Phipps, W. R., Kurzer, M. S., and Messina, M. J. Clinical studies show no effects of soy protein or isoflavones on reproductive hormones in men: results of a meta-analysis. *Fertil.Steril.* 2010;94(3):997-1007. [View abstract](#).

70427

Samman, S., Koh, H. S., Flood, V. M., Blakesmith, S. J., Petocz, P., and Lyons-Wall, P. M. Red clover (*Trifolium pratense*) isoflavones and serum homocysteine in premenopausal women: a pilot study. *J.Womens Health (Larchmt.)* 2009;18(11):1813-1816. [View abstract](#).

70428

Hooper, L., Madhavan, G., Tice, J. A., Leinster, S. J., and Cassidy, A. Effects of isoflavones on breast density in pre- and post-menopausal women: a systematic review and meta-analysis of randomized controlled trials. *Hum.Reprod.Update.* 2010;16(6):745-760. [View abstract](#).

70429

Lipovac, M., Chedraui, P., Gruenhut, C., Gocan, A., Kurz, C., Neuber, B., and Imhof, M. The effect of red clover isoflavone supplementation over vasomotor and menopausal symptoms in postmenopausal women. *Gynecol.Endocrinol.* 2012;28(3):203-207. [View abstract](#).

70430

Ma, H., Sullivan-Halley, J., Smith, A. W., Neuhouser, M. L., Alfano, C. M., Meeske, K., George, S. M., McTiernan, A., McKean-Cowdin, R., Baumgartner, K. B., Ballard-Barbash, R., and Bernstein, L. Estrogenic botanical supplements, health-related quality of life, fatigue, and hormone-related symptoms in breast cancer survivors: a HEAL study report. *BMC.Complement Altern.Med.* 2011;11:109. [View abstract](#).

70431

Lee, C. C., Bloem, C. J., Kasa-Vubu, J. Z., and Liang, L. J. Effect of oral phytoestrogen on androgenicity and insulin sensitivity in postmenopausal women. *Diabetes Obes.Metab* 2012;14(4):315-319. [View abstract](#).

70432

Pitkin, J. Alternative and complementary therapies for the menopause. *Menopause.Int.* 2012;18(1):20-27. [View abstract](#).

70433

Kolodziejczyk-Czepas, J. Trifolium species-derived substances and extracts--biological activity and prospects for medicinal applications. *J.Ethnopharmacol.* 8-30-2012;143(1):14-23. [View abstract](#).

70434

Leach, M. J. and Moore, V. Black cohosh (*Cimicifuga spp.*) for menopausal symptoms. *Cochrane.Database.Syst.Rev.* 2012;9:CD007244. [View abstract](#).

70435

Lovati, M. R., Manzoni, C., Canavesi, A., Sirtori, M., Vaccarino, V., Marchi, M., Gaddi, G., and Sirtori, C. R. Soybean protein diet increases low density lipoprotein receptor activity in mononuclear cells from hypercholesterolemic patients. *J Clin Invest* 1987;80(5):1498-1502. [View abstract](#).

70436

Barnes, S. Effect of genistein on in vitro and in vivo models of cancer. *J Nutr* 1995;125(3 Suppl):777S-783S. [View abstract](#).

70437

Peterson, G. and Barnes, S. Genistein and biochanin A inhibit the growth of human prostate cancer cells but not epidermal growth factor receptor tyrosine autophosphorylation. *Prostate* 1993;22(4):335-345. [View abstract](#).

70438

Knight, D. C. and Eden, J. A. A review of the clinical effects of phytoestrogens. *Obstet.Gynecol.* 1996;87(5 Pt 2):897-904. [View abstract](#).

70439

Stephens, F. O. Phytoestrogens and prostate cancer: possible preventive role. *Med J Aust.* 8-4-1997;167(3):138-140. [View abstract](#).

70440

Abernethy K, Brockie J, Suffling K, and et al. An open study of the effects of a 40mg isoflavone food supplement (derived from Red Clover), on menopausal symptoms. The British Menopause Society (2001). 2001;

70441

Tice J, Cummings SR Ettinger B et al. Few adverse effects of two red clover extracts rich in phytoestrogens: a multicenter, placebo-controlled trial. *Alt Ther* 2001;7:S33.

70442

Jeri, A. R. The use of an isoflavone supplement to relieve hot flushes. Female Patient 2002;27:35-37.

70444

Knight DC. The effect of Promensil, an isoflavone extract, on menopausal symptoms . Climacteric 1999;2:79-84.

70445

Atkinson C, Compston JE, Robins SP, and et al. The effects of isoflavone phytoestrogens on bone: preliminary results from a large randomized controlled trial. Endocr Soc Annu Meet Program 2000;82:196.

70446

Atkinson C, Warren RM, Dowsett M, and et al. Effects of isoflavones on breast density, oestradiol, and gonadotrophins: A double blind randomised placebo controlled trial. Poster presented at: The Endocrine Society's 83rd Annual Meeting (2000).

70447

Baber R, Clifton Bligh P, Fulcher G, and et al. The effect of an isoflavone extract (PO81) on serum lipids, forearm bone density and endometrial thickness in postmenopausal women [Abstract]. Proceedings of the North American Menopause Society (New York, 1999).

70448

Nachtigall LB, La Grega L, Lee WW, and et al. The effects of isoflavones derived from red clover on vasomotor symptoms and endometrial thickness. 9th International Menopause Society World Congress on the Menopause. 1999;331-336.

70449

Gerber G, Lowe FC, and Spigelman S. The use of a standardized extract of red clover isoflavones for the alleviation of BPH symptoms. The Endocrine Society's 82nd Annual Meeting 2000;82:2359.

70450

van de Weijer and Barentsen R. Isoflavones from red clover (Promensil®) significantly reduce hot flashes compared with placebo. Poster presented at: The North American Menopause Society's 12th Annual Meeting (2001).

70451

Jeri AR. The effect of isoflavone phytoestrogens in relieving hot flushes in Peruvian post menopausal women. 9th International Menopause Society World Congress on the Menopause (1999).

91522

Orr A and Parker R. Red clover causing symptoms suggestive of methotrexate toxicity in a patient on high-dose methotrexate. Menopause Int. 2013;19(3):133-134.

91523

Taavoni S, Sahkeri F, Goshegir S, Haghani H. Effect of red clover on postmenopausal psychological symptoms, a triple blind randomized placebo control clinical trial [abstract].In: Abstracts of the 23rd European Congress of Psychiatry; 2015 March 28-31; Vienna, Austria. Eur Psychiatry 2015. Article nr 1829.

91524

Clifton-Bligh PB, et al. Red cover isoflavones enriched with formononetin lower serum LDL cholesterol- a randomized, double-blind, placebo-controlled trial. Eur J Clin Nutr. 2015;69(1):134-142.

91525

Ghazanfarpour M, et al. Red clover for treatment of hot flashes and menopausal symptoms: a systematic review and meta-analysis. J Obstet Gynaecol. 2015;36:301-311.

91725

Risk assessment for peri- and post-menopausal women taking food supplements containing isolated isoflavones. EFSA Panel on Food Additives and Nutrient Sources added to Food (ANS). 2015.