

Meno-Support Formula™

Comprehensive Nutrition for Women

DESCRIPTION

Meno-Support Formula™, provided by Douglas Laboratories, is a synergistic and comprehensive combination of vitamins, minerals, herbs, and other nutrients, carefully formulated and specifically designed to support a woman's health through changes that may occur later in life.

FUNCTIONS

Meno-Support Formula™ contains not only the base formula of Douglas Laboratories' Ultra Specific series that offers intensive support for the healthy functioning of the body in general, but also the Meno-Support Proprietary Blend providing compounds that work specifically to moderate unpleasant changes in the structure and function of a woman's body that are affected by the hormonal variations during aging.

Black cohosh, an herb with a long history of use in Native American cultures for gynecological disorders, is currently seen as a natural way to normalize hormonal changes and moderate the uncomfortable symptoms that accompany menopause. Black cohosh works largely through the synergistic activity of two types of compounds: phytoestrogens and triterpenes. Phytoestrogens, a class of flavonoids with mild estrogenic activity in the body, appear to have normalizing effects on hormonal levels. In particular, black cohosh extract contains formononetin, an isoflavone phytoestrogen. Triterpene glycosides found in black cohosh extract act synergistically with formononetin to suppress excessive secretion of luteinizing hormone (LH). Sudden increases in LH secretion, which occur in response to declining estrogen levels, appear largely responsible for many problems, such as hot flashes, night sweats, insomnia, irritability, heart palpitations, and headaches. Additionally, the concerted activity of formononetin and triterpenes appears to aid in the regulation of estrogen balance. As with other estrogenic compounds, the active constituents in black cohosh extract may also have beneficial effects on the cardiovascular and skeletal systems of postmenopausal women. As such, black cohosh, as well as other herbs found in the proprietary blend offers a safe and natural method of balancing hormone levels and easing the uncomfortable problems women may encounter.

Ipriflavone, derived from naturally occurring isoflavones, promotes bone density by inhibiting bone resorption. Numerous studies of postmenopausal women and individuals whose bones are showing signs of demineralization have investigated the benefits of ipriflavone on bone health. Laboratory and clinical studies documented ipriflavone's positive effect on bone density. Experts agree that ipriflavone appears to directly inhibit osteoclast activity, thereby decreasing bone resorption. Osteoclasts and osteoblasts are two primary types of bone cells. Osteoblasts, the more exterior cells, are responsible for bone mineralization. Osteoclasts, found beneath the osteoblasts, are responsible for bone resorption. When calcium levels in the blood drop, the osteoblasts change shape, allowing the osteoclasts to become exposed and release calcium from the bones to the rest of the body. Scientists suspect ipriflavone may also stimulate osteoblast activity. Since osteoblasts are responsible for laying down new bone, an increase in osteoblast activity would result in increased bone mineralization. This suggests ipriflavone may not only inhibit the breakdown of existing bone, but also encourage the formation of new bone.

In women, bone loss is generally accelerated following menopause. The decline in estrogen levels associated with menopause appears to put women at increased risk for declining bone density and osteoporosis. Ipriflavone, together with adequate calcium, vitamin D, vitamin K, and other key nutrients involved in bone health, offers non-estrogenic protection against excessive bone resorption. Unlike other well-known isoflavones, such as genistein found in soy foods, ipriflavone does not have estrogenic activity and can be safely used in conjunction with natural phytoestrogens or with HRT.

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INDICATIONS

Meno-Support Formula™ tablets may be a useful dietary supplement for women who wish to support a healthy transition through menopause.

FORMULA (#84073)

Four Tablets Contain:

Vitamin A (Palmitate).....	5,000I.U.
Beta-Carotene	15,000I.U.
Vitamin C (Ascorbic Acid).....	1,000mg
Vitamin D-3.....	50I.U.
Vitamin E (as Vitamin E Succinate)	200I.U.
Vitamin K (as Phytonadione).....	50mcg
Thiamin (as Thiamin HCl).....	50mg
Riboflavin.....	25mg
Niacin/Niacinamide.....	120mg
Vitamin B-6 (as Pyridoxine HCl/Pyridoxal-5-Phosphate Complex).....	25mg
Folic Acid.....	800mcg
Vitamin B-12 (on Ion Exchange Resin)	100mcg
Biotin.....	300mcg
Pantothenic Acid (as d-Calcium Pantothenate)	150mcg
Calcium(from Calcium Citrate/Ascorbate Complex)	500mg
Magnesium(from Magnesium Aspartate/Ascorbate Complex)	400mg
Zinc (from Zinc Aspartate Complex)	20mg
Selenium(Organic Selenium from Krebs† Cycle and Kelp)	200mcg
Copper (from Copper Amino Acid Chelate)	2mg
Manganese (from Manganese Aspartate Complex)	15mg
Chromium(Organically bound with GTF activity-low allergenicity).....	200mcg
Molybdenum (from Molybdenum Krebs†).....	50mcg
Potassium (from Potassium Aspartate Complex)	75mg
Choline (from Choline Citrate/Bitartrate).....	20mg
Inositol	25mg
Citrus Bioflavonoid Complex	100mg
PABA (Para-Aminobenzoic Acid).....	50mg
Vanadium (from Vanadium Krebs†).....	25mcg
Boron (from Boron Aspartate/Citrate Complex)	3mg
Trace Elements (from Sea Vegetation).....	100mcg
Meno-Support Proprietary Blend.....	500mg
Black Cohosh (standardized), Dong Quai, Kelp, Horsetail, Sage, Lemon Bioflavonoids and Ipriflavone	
†Krebs=Citrate, Fumarate, Malate, Glutarate and Succinate Complex	

SUGGESTED USE

Adults take 4 tablets daily or as directed by physician. This product is best taken with meals.

SIDE EFFECTS

No adverse side effects have been reported.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

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REFERENCES

- Adami S, Bufalino L, Cervetti R, Di Marco C, Di Munno O, Fantasia L, Isaia GC, Serni U, Vecchiet L, Passeri M. Ipriflavone prevents radial bone loss in postmenopausal women with low bone mass over 2 years. *Osteoporos Int* 1997;7:119-25.
- Agnusdei D, Adami S, Cervetti R, Crepaldi G, Di Munno O, Fantasia L, Isaia GC, Letizia G, Ortolani S, Passeri M, et al. Effects of ipriflavone on bone mass and calcium metabolism in postmenopausal osteoporosis. *Bone Miner* 1992;19 Suppl 1:S43-8.
- Benvenuti S, Petilli M, Frediani U, Tanini A, Fiorelli G, Bianchi S, Bernabei PA, Albanese C, Brandi ML. Binding and bioeffects of Ipriflavone on a human preosteoclastic cell line. *Biochem Biophys Res Commun* 1994;201:1084-9.
- Cheng SL, Zhang SF, Nelson TL, Warlow PM, Civitelli R. Stimulation of human osteoblast differentiation and function by ipriflavone and its metabolites. *Calcif Tissue Int* 1994;55:356-62.
- Civitelli R. In vitro and in vivo effects of ipriflavone on bone formation and bone biomechanics. *Calcif Tissue Int* 1997;61:S12-4.
- Civitelli R, Abbasi-Jarhomi SH, Halstead LR, Dimarogonas A. Ipriflavone improves bone density and biomechanical properties of adult male rat bones. *Calcif Tissue Int* 1995;56:215-9.
- de Aloysio D, Gambacciani M, Altieri P, Ciaponi M, Ventura V, Mura M, Genazzani AR, Bottiglioni F. Bone density changes in postmenopausal women with the administration of ipriflavone alone or in association with low-dose ERT. *Gynecol Endocrinol* 1997;11:289-93.
- De Leo V, Lanzetta D, Cazzavacca R, Morgante G. [Treatment of neurovegetative menopausal symptoms with a phytotherapeutic agent]. *Minerva Ginecol* 1998;50:207-11.
- Gambacciani M, Cappagli B, Piaggese L, Ciaponi M, Genazzani AR. Ipriflavone prevents the loss of bone mass in pharmacological menopause induced by GnRH-agonists. *Calcif Tissue Int* 1997;61:S15-8.
- Gambacciani M, Ciaponi M, Cappagli B, Piaggese L, Genazzani AR. Effects of combined low dose of the isoflavone derivative ipriflavone and estrogen replacement on bone mineral density and metabolism in postmenopausal women. *Maturitas* 1997;28:75-81.
- Gennari C, Adami S, Agnusdei D, Bufalino L, Cervetti R, Crepaldi G, Di Marco C, Di Munno O, Fantasia L, Isaia GC, Mazzuoli GF, Ortolani S, Passeri M, Serni U, Vecchiet L. Effect of chronic treatment with ipriflavone in postmenopausal women with low bone mass. *Calcif Tissue Int* 1997;61:S19-22.
- Gennari C, Agnusdei D, Crepaldi G, Isaia G, Mazzuoli G, Ortolani S, Bufalino L, Passeri M. Effect of ipriflavone--a synthetic derivative of natural isoflavones-- on bone mass loss in the early years after menopause. *Menopause* 1998;5:9-15.
- Lieberman S. A review of the effectiveness of *Cimicifuga racemosa* (black cohosh) for the symptoms of menopause. *J Womens Health* 1998;7:525-9.
- Liske E. Therapeutic efficacy and safety of *Cimicifuga racemosa* for gynecologic disorders. *Adv Ther* 1998;15:45-53.
- Nardo F, Scrofani V, Costa G, Bellanca S, Petrovec MM, Clemenza F, Licciardello S. [Therapeutic protocols compared in the treatment of postmenopausal osteoporotic disease]. *Minerva Ginecol* 1994;46:305-15.
- Nozaki M, Hashimoto K, Inoue Y, Ogata R, Okuma A, Nakano H. Treatment of bone loss in oophorectomized women with a combination of ipriflavone and conjugated equine estrogen. *Int J Gynaecol Obstet* 1998;62:69-75.
- Ohta H, Komukai S, Makita K, Masuzawa T, Nozawa S. Effects of 1-year ipriflavone treatment on lumbar bone mineral density and bone metabolic markers in postmenopausal women with low bone mass. *Horm Res* 1999;51:178-83.
- Petilli M, Fiorelli G, Benvenuti S, Frediani U, Gori F, Brandi ML. Interactions between ipriflavone and the estrogen receptor. *Calcif Tissue Int* 1995;56:160-5.
- Yochum L, Kushi LH, Meyer K, Folsom AR. Dietary flavonoid intake and risk of cardiovascular disease in postmenopausal women [published erratum appears in *Am J Epidemiol* 1999 Aug 15;150(4):432]. *Am J Epidemiol* 1999;149:943-9.

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For more information on Meno-Support Formula™ visit douglaslabs.com

† These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.

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Your patients trust you.**

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