

Acetyl-L-carnitine appears to improve peripheral as well as autonomic neuropathy (7). Biotin and acetyl-L-carnitine work together clinically for the nutritional support of the biochemical disturbances that can occur in metabolic syndrome, weight loss and type II diabetes.

Resveratrol 50%

Resveratrol is a polyphenolic compound that exists in nature as cis- and trans- stereoisomers. The trans-resveratrol content of wine is highly dependent on grape type, climate, and practices used to make the wine. Resveratrol decreases the activity of inflammatory cytokines, which suggests a mechanism for reducing mortality in cardiovascular diseases and cancer (8). Preliminary evidence suggests that trans-resveratrol possesses antioxidant, antimutagenic activity (9) to inhibit tumor growth and promote apoptosis (10). The anti-inflammatory effects of resveratrol also suggest potential usefulness for inflammatory diseases such as arthritis. Evidence also suggests resveratrol is a more potent anti-inflammatory agent than either aspirin or ibuprofen (11); resveratrol seems to inhibit COX-1 and COX-2 (12). The raw material, resveratrol, is offered in various potencies and standardization choices. At Mountain Peak Nutritionals® we elected to use the stronger raw material standardized to contain 50% trans-resveratrol. **Longevity™** formula contains 200mg of standardized 50% trans-resveratrol, which is more effective than the 500mg of 20% trans-resveratrol typically found in other anti-aging nutritional supplements. Claims of high percentages of trans-resveratrol are predominantly synthetic creations and appear to be less bioavailable than the naturally created 50% trans-resveratrol.

Alpha-Lipoic Acid

Endogenous Alpha-Lipoic Acid is both a fat and water soluble coenzyme that, together with pyrophosphatase, is involved in carbohydrate metabolism and production of adenosine triphosphate (ATP).

Alpha-Lipoic Acid can regenerate endogenous antioxidants, such as Vitamin E, Vitamin C, and glutathione and prevent oxidative damage (13). Studies indicate that Alpha-Lipoic Acid can inhibit replication of the Human Immunodeficiency Virus (HIV) by inhibiting reverse transcriptase (14). Alpha-Lipoic Acid helps maintain healthy glucose metabolism, supports the nervous system and provides nutritional support for healthy liver function (15).

Serrapeptase

Serrapeptase is a proteolytic enzyme believed to have anti-inflammatory, anti-edemic, and fibrinolytic effects (16). Serrapeptase decreases pain by inhibiting release of bradykinin and other factors from inflamed or damaged tissue (17).

Patients: Consult with your healthcare professional for the proper dosage and use of this formula. For more information about this and other Condition Specific Formulas® please visit our website at:

www.mpn8.com



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