Inhibits Glycation

AG Herb MIX

What is AG Herb MIX?



AG Herb MIX is a mixed herb product which has been

screened for the purpose of inhibiting glyucation reactions and in turn suppressing the formation of AGEs.Four types of herbs (roman chamomile, hawthorn berries, heart-leaved houttuynia and grape leaves) with different inhibitory activities have been combined and extracted with hot water.Since there are multiple complex pathways for the formation of advanced glycation end products (AGEs) via glycation reactions, it is not possible to inhibit the formation of AGEs by blocking only one pathway.Since there are multiple complex pathways for the formation of advanced glycation end products (AGEs) via glycation reactions, it is not possible to inhibit the formation of AGEs by blocking only one pathway.Since there are multiple complex pathways for the formation of AGEs by blocking only one pathway.AG Herb MIX is a new type of anti-aging material that focuses on the protection of anti-glycation effects: it efficiently inhibits a variety of glycation reactions in order to protect your body from glycation.

Seeking a Combination That Efficiently Inhibits Multiple Complex Pathways of Glycation Reactions^{*}



We selected four types of herbs with high anti-glycation effects as described above. In order to take a comprehensive and effective approach towards the multiple complex pathways for AGEs formation reactions, we have selected herbs classified under separate taxonomic groups and designed the product to have varied components.

Diseases and Symptoms of Aging Caused by Glycation

Aging skin

- Decreased resilience and
- elasticity
- Dullness(yellow-toned)
- Uneven skin texture
- Increased wrinkles
- Outbreaks of spots

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Osteoarthropathy,

- osteoporosis
- Bone fragility
 Increased risk of bone fracture
- Decreased bone quality
- Decieased bolle quality



AGEs Formation Pathways and Inhibition by AG Herb MIX.



Functionality

Anti-glycation effects, anti-aging, improvement of skin elasticity/spots/dullness, complexion improvement effects

Patent and Trademark

•Patent No. 4195840

- Maillard reaction inhibitor
- •Patent No. 4206479
- Production method for maillard reaction inhibitor • Patent No. 5144534
- Flavor modifier for food and beverages
- AG Herb MIX[™] is a registered brand by ARKRAY, Inc.



Skin resilience^{*3}

Age and Skin Resilience

[Comparison between diabetic subjects and non-diabetic subjects] R7: Skin resilience (skin viscoelasticity)



The skin of diabetic patients has less resilience compared to that of patients without diabetes.

Improvement of Skin Resilience by Ingesting AG Herb MIX

t-test



By ingesting 600 mg/day, the skin resilience index increased significantly from week 8 onwards in subjects with type 2 diabetes (7 subjects).

Yellow-toned dullness/spots^{*4}



By inhibiting production of 3DG, improvement of yellowing (yellow-tone dullness) and/or browning tendency of the skin can be expected.



- * 1...Yonei Y et al. Anti-aging Medicine. 2008, 5(10), 93-8.
- * 2...Takeuchi M et al. Current Drug Targets. 2010, 11(11), 1468-82. References
 - * 3...Kubo M et al. Journal of Clinical Biochemistry and Nutrition. 2008, 43(suppl1), 66-9.
 - * 4 ··· Kawai H et al. Glycative Stress Research. 2016, 3(4), 236-45.

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