Excrete glycation products

Satonaceil

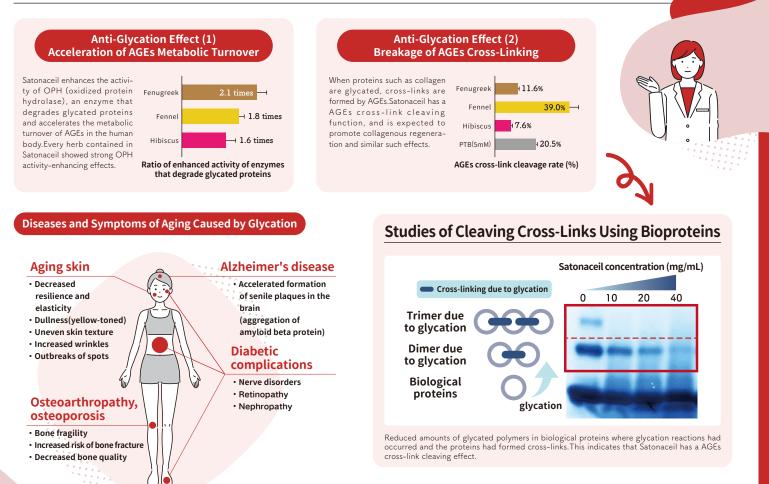


What is Satonaceil?

Satonaceil is a herb mix that has been screened with the objective of excreting the advanced glycation end products (AGEs) that have accumulated in the body, with a focus on accelerating AGEs metabolism and the cleavage of AGEs cross-linkages. We have mixed three herb varieties that extracting them via hot water extraction.

As AGEs, which are formed of bound saccharides and proteins, cannot return to their previous state, they must be metabolised to prevent the effects of glycative stress.Satonaceil is a new anti-aging material made with a focus on aggressive anti-glycation effects.

Seeking Out the Most Effective Balance Of AGEs Metabolism Acceleration Effects and Cross-Linking Cleavage Effects^{*1}



Functionality

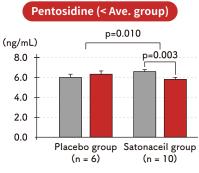
Anti-glycation, anti-aging, improvement of skin quality, wrinkles, elasticity/color unevenness and brown spots, improvement of liver function and metabolisation of glucose.

Patent and Trademark

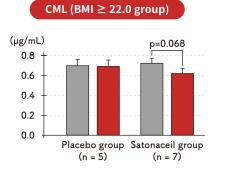
•Patent No. 7007813

- Oxidized protein degrading enzyme activity enhancer and glycation stress inhibitor
- Satonacei™ is a registered brand by ARKRAY, Inc.

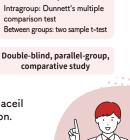
AGEs in blood * 2



A significant decrease was observed in the Satonaceil group before and after ingestion. It was significantly lowered even in comparison to the placebo group.



There was no change in the placebo group, but the Satonaceil group showed a decreasing trend before and after ingestion.



[Ingesting 100 mg/day]

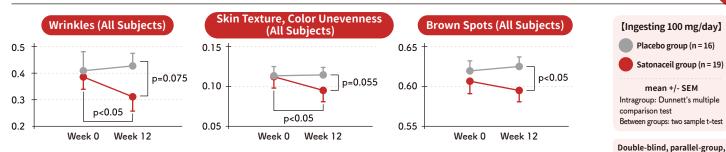
Before ingestion

After Week 12

mean +/- SEM

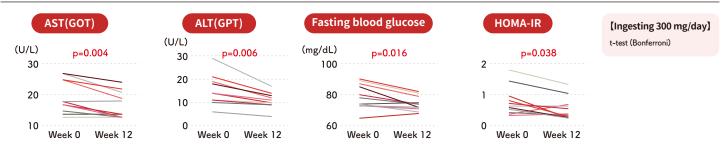
comparative study

Wrinkles, texture, color unevenness, brown spots (VISIA image-analysis)^{*2}



Significant improvements in wrinkles, skin texture and color unevenness were observed in the Satonaceil group before and after ingestion and a trend of improvement was evident in comparison to the placebo group. Brown spots were also improved in the Satonaceil group in comparison to the placebo group.

Hepatic function / glycometabolism^{*3}



Hepatic function (AST, ALT) and glucose metabolism (fasting blood glucose, HOMA-IR) improved significantly before and after ingestion.

Product Specifications			Recommended daily intake	100-300 mg/day	
	Arsenic Heavy metals Total viable count Fungus count Coliforms	2 ppm or less 20 ppm or less 3,000 cfu/g or less 300 cfu/g or less Negative	Product Appearance	Ingredients Hot water extract powder of three types of herbs (including dext •Fenugreek seeds (<i>Trigonella foenum-graecum</i>) •Fennel seeds (<i>Foeniculum vulgare</i>) •Hibiscus (<i>Hibiscus sabdariffa</i>) calyx and bracts	
Storage conditions	Sealed and stored	at room temperature	Contraction of the second	Example of Use	Supplements, health foods, etc.
Packing	1 kg (aluminum ba	g)	the second second	Example of Labeling	Mixed herb extract (dextrin, fenugreek, fennel and hibiscus)

ARKRAY Group

[WEB] https://ebn2.arkray.co.jp/english



8 Nishiyama-cho, Higashi-kujo, Minami-ku, Kyoto 601-8046, JAPAN

Karada Lab, Inc.

No.2405AB