

SIRTMAX™

(Black Ginger Extract)



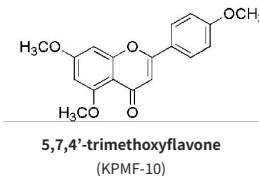
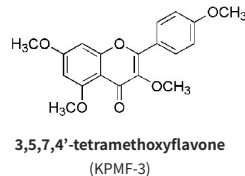
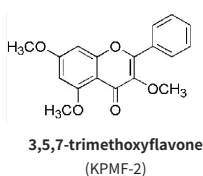
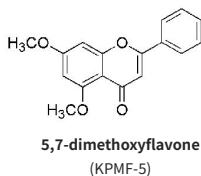
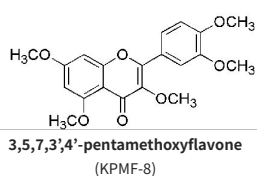
Scientific name	: <i>Kaempferia parviflora</i>
Common name	: Black turmeric, Thai ginseng, Kra Chai Dam
Origin	: South East Asia
Traditional Use	: Energy boost, Fatigue recovery, Longevity, etc.
Characteristic Component	: Polymethoxyflavonoids

The features of SIRTMAX™

- Highest amount of **Total Polymethoxyflavonoids**
- Clinically-proven **Efficacies** & Robust **Safety Studies**
- **SIRT1 activator** & **Glycation inhibitor**
- **Patented ingredient**

Specification:

- $\geq 3.5\%$ 3,5,7,3',4'-pentamethoxyflavone
- $\geq 4.0\%$ 5,7-dimethoxyflavone
- $\geq 15.0\%$ total polymethoxyflavonoids



Clinical Proven Efficacies



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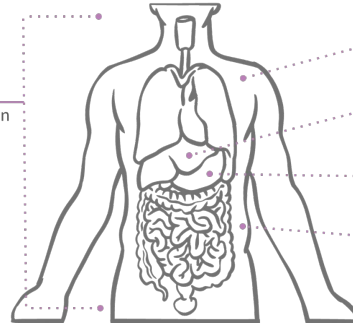
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PHYTOCHEMICAL

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SIRT1 Activation

Why SIRT1 Activation?

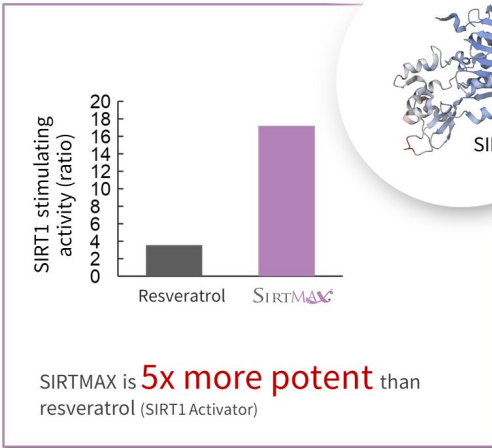
- Overall
- Reduce inflammation
 - Reduce oxidative stress



- Musculoskeletal
 - Enhance myocyte differentiation
- Liver
 - Improve glucose and lipid metabolism
- Pancreas β -Cell
 - Improve insulin secretion
- Adipose Tissue
 - Inhibit adipocyte enlargement
 - Increase adiponectin secretion

Nature Reviews Endocrinology, 5, 367-373 (2009); Natural Product Communications, 9, 1291-1294 (2014)

Direct Activation

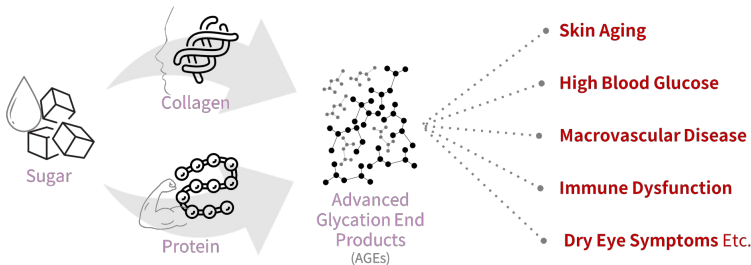


SIRTMAX™

delays onset of **Aging-associated Diseases** and extends **Healthy Life Span**

Anti-Glycation

Why reduce glycation?

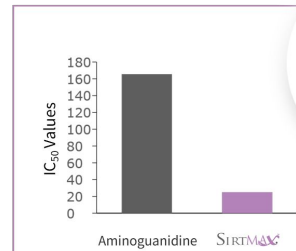


J. Clin. Invest, 91, 2463-2469 (1993); J. Jpn. Ophthalmol. Soc. 98, 575-578 (1994); BMC ophthalmology 8, 10 (2008)

SIRTMAX™

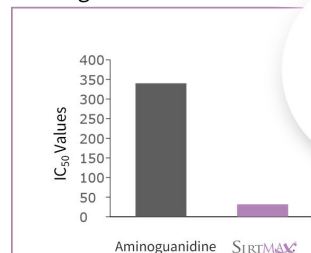
addresses **Health Issues** caused by **Advanced Glycation End Products**

Protein (albumin)



SIRTMAX is **6x more potent** than Aminoguanidine*

Collagen



SIRTMAX is **10x more potent** than Aminoguanidine*

Recommended dose

100 mg/day



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