Bamboo Leaf Extract and Bioactive Compounds Contributing to Human Health and Longevity

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Chemical Structural Formula of Compounds Contained in Bamboo Leaf Extract

Oxidized Coenzyme Q₁₀ (Ubiquinone)

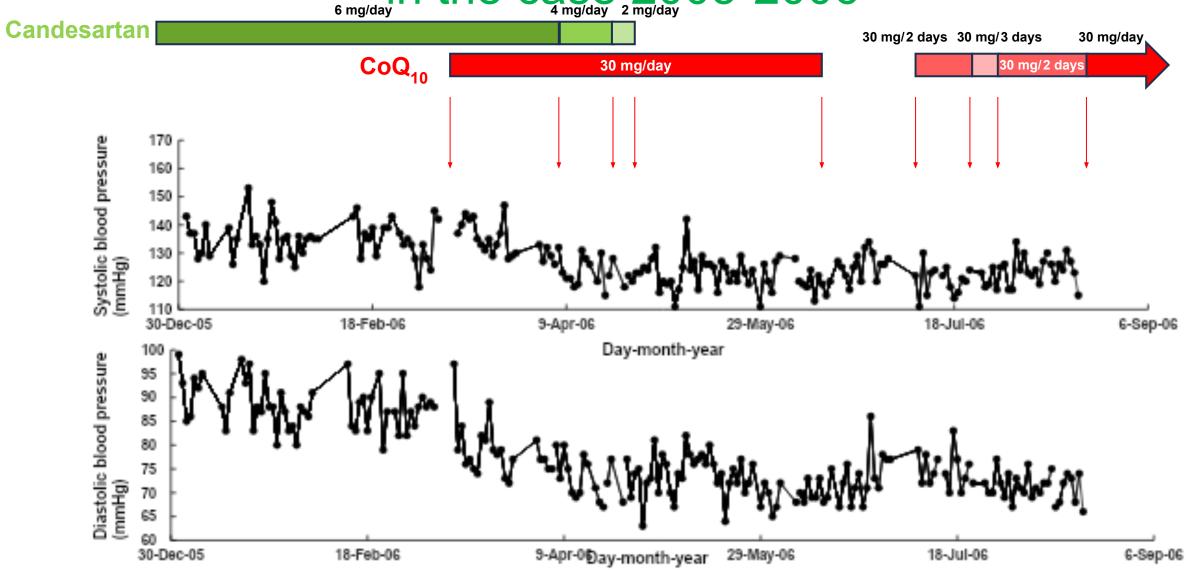
$$H_3CO$$
 CH_3
 H_3CO
 CH_3
 CH_3
 CH_3

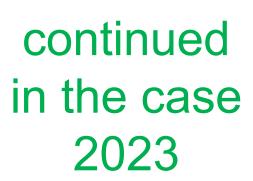
Tricin
OCH3
OH
OH
OH
O

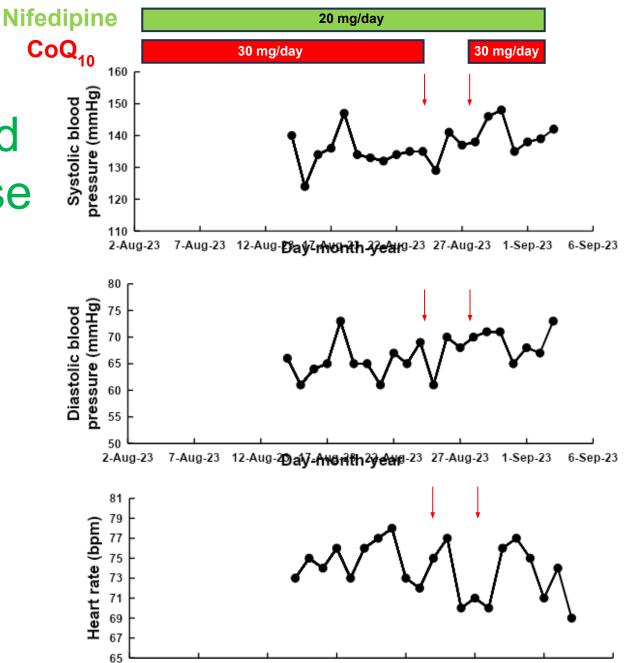
Arabinoxylan oligosaccharide Lignin-carbohydrate complex

Bamboo leaves

The anti-hypertensive effect of CoQ₁₀ in the case 2005-2006







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1-Sep-23

6-Sep-23

Synergistic effects of CoQ₁₀ and nifedipine on blood pressure

Antibacterial effects of bamboo leaf-formulation

Species	No. of strains	Range of MIC (mg/mL)
Staphylococcus aureus	6	>3.10
Escherichia coli	6	>3.10
Pseudomonas aeruginosa	5	>3.10
Klebsiella pneumoniae	4	>3.10
Klebsiella oxytoca	1	>3.10
Enterobacter cloacae	4	>3.10
Enterobacter aerogenes	1	>3.10
Streptococcus mutans	2	>3.10
Streptococcus mitis	4	>3.10
Porphyromonas gingivalis	4	0.194-1.55
Fusobacterium nucleatum	4	>3.10
Prevotella intermedia	4	0.194 or >3.10
Veillonella parvula	4	>3.10

List of reasons from 178 pre-symptomatic patients for the selection of bamboo leaf extracts

37: Cold including sore throat

25: Poor circulation

24: Essential hypertension

18: Lower back pain, Stiff shoulder, Rheumatoid

16: Pollen disease, Hives

14: Migraine headache, Meniere's disease

13: Infection including stomatitis and cystitis

12: Cancer

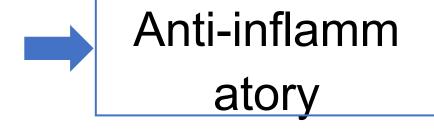
12: Constipation, Intestinal obstruction

11: Fatty liver disease, Hypercholesterolemia, Hypertriglyceridemia

10: Menopausal disorder

The mechanisms behind the multi-tasking bioactivities of bamboo leaf extract

- 1. Anti-hypertensive effects targeting oxidative stress
- 2. Anti-microbial& Anti-viral



Anti-cancer effects