

**SOLAL**  
TECHNOLOGIES  
ANTI-AGING SPECIALISTS™

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RECOMMENDED BY PHARMACISTS™

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**SOLAL**  
TECHNOLOGIES  
ANTI-AGING SPECIALISTS™

## Synephrine

### Description

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Synephrine is a type of Alkaloid.

### Health Benefits of Synephrine

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#### Metabolism

- Synephrine may increase the body's **Basal Metabolic Rate** (BMR) - by approximately 3%, may stimulate [thermogenesis](#), may stimulate [lipolysis](#) and may thereby facilitate weight loss in persons afflicted with **Obesity** (primarily by stimulating Adrenaline and Norepinephrine release and by activating various Adrenergic Receptors): [references](#)
  - Part of the thermogenic effects attributable to Synephrine are due to it activating **Beta-3 Adrenergic Receptors** (i.e. it functions as a Beta-3 Adrenergic Receptor Agonist). [references](#)

### Other Effects of Synephrine

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#### Nervous System

- Synephrine may stimulate **Alpha-1 Adrenergic Receptors** (i.e. it functions as an Alpha-1 Adrenergic Receptor Agonist). [\[more info\]](#)

### Synephrine may Enhance the Function of these Substances

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#### Hormones

- Synephrine may stimulate the release of **Adrenaline**. [\[more info\]](#)

#### Neurotransmitters

- Synephrine may stimulate the release of **Dopamine**. [references](#)
- Synephrine may stimulate the release of **Norepinephrine**. [references](#)

### Dietary Sources of Synephrine [references](#)

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#### Fruit

- Synephrine is a component of several species of **Citrus Fruit**:
  - The highest source of Synephrine is the outer peel of the **Bitter Orange** (*Citrus aurantium*, also known as Sour Orange or Bitter Orange) - the dried immature Bitter Orange is regarded as an Herb in China where it is called Zhi Shi.
  - Zhi shi contains up to 0.8% Synephrine.
  - Smaller quantities of Synephrine are also found in the **Tangerine** (*Citrus reticulata*) and the immature Fruit of another Citrus species, *Citrus unshui*.
  - The quantity of Synephrine in the parts of Oranges normally eaten is almost negligible (i.e. approximately 0.000001%). Therefore it is usually necessary to purchase Citrus aurantium supplements in order to obtain any meaningful quantity of Synephrine.

### Safety [references](#)

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- An acute toxicology study of Synephrine (as a component of Bitter Orange extract) on rats concluded that very high doses (100 times the maximum daily amount used in humans) caused no toxicity.

### Forms of Synephrine

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- There are six isomers of Synephrine, namely:
  - d-para-Synephrine
  - l-para-Synephrine
  - d-meta-Synephrine
  - l-meta-Synephrine
  - d-ortho-Synephrine
  - l-ortho-Synephrine

## SOLAL WEIGHT-LOSS FACILITATOR:

- Burns fat
- Suppresses appetite
- Boosts metabolic rate
- Helps prevent sugar cravings
- Boosts energy levels

### Each daily dose (6 capsules) supplies:

- Green tea extract: 1000mg (540mg epicatechin; 270mg EGCG)
- Chromium picolinate: 1.260mg (equivalent to 150mcg chromium)
- Synephrine 50mg (from 833mg Citrus aurantium extract, standardised to 6% synephrine)
- Forskolin (Forslean) 50mg (from 125mg Coleus forskohlii extract, standardised to 40% forskolin)

### How Weight-loss Facilitator works:

- **Green Tea** increases the process of **thermogenesis** and **suppresses appetite** (due to the **EGCG** and Caffeine content of Green Tea). Green Tea **reduces the absorption of dietary fats** by blocking the production of digestive enzymes that facilitate the absorption of fat.
- **Synephrine** increases the body's **Basal Metabolic Rate (BMR)** - by approximately 3% and stimulates **lipolysis (fat burning)**, primarily by stimulating adrenaline release and by activating various adrenergic receptors. Forskolin enhances **energy production** by every Cell in the body by stimulating the production of cAMP in the cells, which in turn regulates the process of lipolysis (fat burning). Forskolin also **boosts metabolic rate** by stimulating the production and release of Thyroid Hormones. Forskolin inhibits the endogenous synthesis of Fatty Acids in Adipocytes. Forskolin counteracts the decreased response by Adipocytes to Adrenaline (which occurs as a result of the Aging Process).
- Chromium polynicotinate improves insulin responsiveness (by making insulin receptors more sensitive). This results in **reduced fat formation** and more effective glycogen storage, thereby **preventing energy lows, fatigue and binge carbohydrate eating**.

**Dose:** 2 capsules 3 times daily, preferably 30 minutes before a meal.

### Contraindications:

- **Digestive System:** Peptic Ulcers patients should not use Forskolin.
- **Immune System:** Prostate Cancer patients should not use Forskolin (although Forskolin possesses numerous therapeutic properties, it influences Androgen Receptors in a way that may stimulate the proliferation of **existing** cancer cells in the Prostate).
- **Blood pressure:** People with high blood pressure should only use under supervision of a doctor (due to the synephrine content).
- **Pregnancy and lactation:** Do not use Weight-loss Facilitator if you are pregnant or breast-feeding.

### Interactions:

- Theoretically, concurrent use of **MAOI's** (Mono-Amine Oxidase Inhibitors), a type of anti-depressant, with synephrine might increase blood pressure.

### Advantages of Solal Weight-loss facilitator:

- Ephedrine free
- Multiple mechanisms of action: facilitates weight loss via appetite suppression, fat burning, boosting metabolic rate, reducing fat absorption and opposing that fat forming effects of insulin (metabolic syndrome).
- Therapeutic levels of active ingredients, including high EGCG levels.

REFERENCES AND RESEARCH AVAILABLE ON REQUEST

# Weight Loss Facilitator™

Assists with Weight Loss in 5 different ways:

- Burns fat
- Suppresses appetite
- Boosts metabolic rate
- Helps prevent sugar cravings
- Boosts energy levels



## How Weight Loss Facilitator™ works:

- **Green Tea** increases the process of thermogenesis and **suppresses appetite** (due to the EGCG and Caffeine content of Green Tea). Green Tea **reduces the absorption of dietary fats** by blocking the production of digestive enzymes that facilitate the absorption of fat.
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- Ephedrine free.
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- Therapeutic levels of active ingredients, including high EGCG levels.

## Each daily dose (6 capsules) contains:

- |   |       |
|---|-------|
| ● EGCG (extracted from green tea)         | 270mg |
| ● Epicatechin (extracted from green tea)  | 540mg |
| ● Citrus aurantium extract                | 833mg |
| ● Forskolin                               | 20mg  |
| ● Chromium (from chromium polynicotinate) | 150µg |

**Dose:** Take 1-2 capsules 3 times daily, preferably 30 minutes before a meal

## Contra indications:

Digestive System: Peptic ulcers patients should not use Forskolin.  
Immune System: Prostate cancer patients should not use Forskolin (although Forskolin possesses numerous therapeutic properties, it influences Androgen Receptors in a way that may stimulate the proliferation of existing cancer cells in the prostate).  
Blood pressure: People with high blood pressure should only use under supervision of a doctor (due to the synephrine content).  
Pregnancy and breast-feeding: Do not use Weight Loss Facilitator™ if you are pregnant or breast-feeding.

## Interactions:

Theoretically, concurrent use of MAOI's (Mono-Amine Oxidase Inhibitors), a type of anti-depressant, with synephrine might increase blood pressure.

REFERENCES AND RESEARCH AVAILABLE ON REQUEST.

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[www.solaltech.com](http://www.solaltech.com)



## Soy Protein

Also known as: **Soya Protein; Soy Protein Isolate; Soya Protein Isolate; Supro**

### Description

Soy Protein is the Protein component of Soybeans. The biological value of Soy Protein is 74.

### Health Benefits of Soy Protein

#### Cardiovascular System

- Soy Protein may lower **Hematocrit** levels (i.e. Soy Protein lowers blood thickness (blood viscosity)). [references](#)
- Soy Protein may lower elevated Blood Pressure in **Hypertension** patients (by inhibiting the Angiotensin Converting Enzyme). [references](#)

#### Excretory System

- Soy Protein may retard the progression of **Chronic Kidney Failure**. [references](#)

#### Immune System

- Soy Protein may help to prevent **Breast Cancer**. [references](#)
- Soy Protein may reduce the risk of **Colon Cancer**. [references](#)
- Soy Protein may help to prevent and treat **Prostate Cancer**. [references](#)

#### Metabolism

- Soy Protein (17 - 25 grams per day) may lower total serum **Cholesterol** levels: [references](#)
  - Soy Protein may increase **HDL Cholesterol** levels. [references](#)
  - Soy Protein may lower plasma **LDL Cholesterol** levels. [references](#)
  - Soy Protein may lower plasma **VLDL Cholesterol** levels. [references](#)
- Soy Protein (used in conjunction with dieting) may facilitate weight loss in persons afflicted with **Obesity**. [references](#)
- Soy Protein may lower elevated serum **Triglycerides** levels. [references](#)

#### Musculoskeletal System

- Soy Protein (indirectly) may facilitate **Muscle Growth** (by enhancing nitrogen retention which helps to prevent the catabolism of endogenous Proteins in the Muscles). [references](#)
- Soy Protein may help to prevent **Osteoporosis** by increasing Bone density. [references](#)

#### Sexual System

- Soy Protein (60 grams per day) may reduce the number of hot flashes experienced by women during **Female Menopause**. [references](#)

### Soy Protein may Enhance the Function of these Substances

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#### Hormones

- Soy Protein may enhance the endogenous production of **Insulin**. [\[more info\]](#)
- Soy Protein may enhance the endogenous production of **Thyrotrophin (TSH)**. [references](#)
- Soy Protein may enhance the endogenous production of **Thyroxine (T4)**. [references](#)
- Soy Protein may enhance the endogenous production of **Triiodothyronine (T3)**. [references](#)

### Soy Protein may Counteract these Potentially Toxic Substances

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#### Enzymes

- Soy Protein may inhibit **Angiotensin Converting Enzyme (ACE)**. [references](#)

#### Pharmaceutical Drugs

- Soy Protein may reduce the toxicity of **Methotrexate** (to the Gastrointestinal Tract). [references](#)

### Soy Protein Contains these Substances [references](#)

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(mg of substance per 100 grams)

Note that Soy Protein products usually consist of 90% Soy Protein together with 10% of other components of Soybeans.

<b>Amino Acids:</b>	90,000	Alanine	4,794	Arginine	7,631
		Aspartic Acid	9,490	Cystine	1,565
		Glycine	4,402	Histidine	2,543
		Isoleucine	4,109	Leucine	6,653
		Lysine	6,555	Methionine	1,761
		Phenylalanine	4,070	Proline	4,109
		Serine	4,761	Threonine	4,266
		Tryptophan	1,174	Tyrosine	3,718
		Valine	4,990	Glutamine	13,404
	<b>Peptides:</b>		Lunasin	2,810	
			-		
			4,430		

- Soy Protein comprises 11% of Soybeans.

### **Soy Protein may Enhance these Potentially Toxic Substances**

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#### Proteins

- Soy Protein may increase **Lipoprotein (a)** levels. [references](#)

### **Dosage Recommendations**

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#### Metabolism

- The suggested dosage of Soy Protein for people attempting to lower their serum Cholesterol levels is **17,000 - 25,000 mg** (17 - 25 grams) per day.

#### Sexual System

- Clinical trials that have demonstrated the effectiveness of Soy Protein for the treatment of Female Menopause have involved the use of **60,000 mg** (60 grams) of Soy Protein per day.

### **Commercial Availability of Soy Protein**

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#### "Singular" Oral Soya Protein Products

- Soy Protein is available from health food stores and mail order supplement companies (worldwide) in the form of:
    - loose powder
  - Some Soy Protein supplements contain added Daidzein and Genistein (beneficial non-Protein Isoflavonoid components of Soybeans). In practice, Soy Protein products normally contain 90% or greater Soy Protein with 10% of less of other components of Soybeans and/or other additives.
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See info on Whey Protein under "Pure Whey Protein"