



- **Latin Name: Momordica grosvenori Swingle**
- **Active Ingredient: Luo han guo extract**
- **CAS No.: 89590-95-4**
- **Test method: TLC**
- **Specifications: 4:1 10:1**

Product Description:

Basic information

Name : luo han guo extract

Other name: Momordica grosvenori Swingle

Source: Momordica grosvenori Swingle fruit

Latin name: Momordica grosvenori Swingle

Ingredient: Mogrosides

Specification : 10:1 4:1

Test methods: TLC

CAS No.: 88901-36-4

Molecular Formula: C₆₀H₁₀₂O₂₉

Molecular Weight: 1287.43

Appearance: brown yellow powder

Brief introduction of luo hanguo extract Mogrosides

A mogroside is a chemical compound, and constitutes a glycoside of cucurbitane derivatives. They are found in certain plants, such as the fruit of the gourd vine luo han guo (Siraitia grosvenorii).

They include:

Structural formula of mogroside 5.

Mogroside II A1

Mogroside II B

7-Oxomogroside II E

11-Oxomogroside A1

Mogroside III A2

11-Deoxymogroside III

11-Oxomogroside IV A

Mogroside V

7-Oxomogroside V

11-Oxo-mogroside V

Mogroside VI

Structural formula of mogroside 6.

Most of these compounds are soluble in ethanol.

Function

1. Luo han guo extract powder can be used to lower the blood sugar;
2. Luo han guo extract powder can be used as a natural sweetener;
3. Luo han guo extract powder with the function of anti-aging and good to skin.
4. Luo han guo extract powder can protect liver and improve sleep quality.

Application:

1. Applied in food field, Luo Han Guo powder used as a natural sweetener;
2. Applied in health product field, Luo Han Guo powder used as raw materials;
3. Applied in cosmetics field, Luo Han Guo powder makes skin smooth.

About Luo han guo

Siraitia grosvenorii is a herbaceous perennial vine of the Cucurbitaceae (gourd) family, native to southern China and northern Thailand. The plant is cultivated for its fruit, whose extract is nearly 300 times sweeter than sugar and has been used in China as a natural low-calorie sweetener for cooling drinks, and in traditional Chinese medicine to treat diabetes and obesity.

The plant's fruit is often called in English language publications Luo Han Guo [4] or Lo Han Kuo (from the Chinese luóhàn guǒ, 罗汉果/ 羅漢果). It may also be called la han qua (from Vietnamese la hán quả), arhat fruit, Buddha fruit, monk fruit, or longevity fruit (although this name has been used for several other fruits).

The scientific species name honors Gilbert Hovey Grosvenor who as president of the National Geographic Society helped to fund an expedition in the 1930s to find the living plant where it was being cultivated.