



- **Latin Name: Artemisia annua Linn**
- **Active Ingredient: Artemisia Annua Extract**
- **CAS No.: 63968-64-9**
- **Test method: TLC**
- **Specifications: 10:1 4:1**

Product Description:

Basic infor

Name : Artemisia annua extract

Other name: Artemisia annua Linn

Source: Artemisia annua Linn whole grass

Latin name: Artemisia Annual L

Ingredient: Artemisinin

Specification : 4:1 10:1

Test methods: TLC

CAS No.: 63968-64-9

Molecular Formula: C₁₅H₂₂O₅

Molecular Weight: 282.33

Appearance: brown yellow powder

what is Artemisia annua extract?

Artemisinin, also known as qinghaosu, and its semi-synthetic derivatives are a group of drugs that possess the most rapid action of all current drugs against Plasmodium falciparum malaria. It was discovered by Tu Youyou, a Chinese scientist, who was awarded half of the 2015 Nobel Prize in Medicine for her discovery. Treatments containing an artemisinin derivative (artemisinin-combination therapies, ACTs) are now standard treatment worldwide for P. falciparum malaria. Artemisinin is isolated from the plant Artemisia annua, sweet wormwood, an herb employed in Chinese traditional medicine. A precursor compound can be produced using genetically engineered yeast.

Chemically, artemisinin is a sesquiterpene lactone containing an unusual peroxide bridge. This peroxide is believed to be responsible for the drug's mechanism of action. Few other natural compounds with such a peroxide bridge are known.

Main Function:

1> Artemisia Annua Extract Artemisinin has effect on antibacterial, artemisinin has anti-influenza virus effect.

2> Artemisia Annu Extract Artemisinin is used for anti-parasite, artemisinin play the role of anti-schistosomiasis and leptospirosis.

3> Artemisia Annu Extract Artemisinin can be used for antimalarial, artemisinin has killing effect on the parasite within red blood cells, it can inhibit the parasite's maturity quickly.

Application:

1> Applied in food field, in summer it will be serve as cool drinks which is good for prevention and treatment of heat stroke;

2> Applied in health product field, artemisinin can be made into capsules or oral liquid to regulate the immune system;

3> Applied in pharmaceutical field, artemisinin has general effect for vivax malaria, plasmodium falciparum and chloroquine

what is artemisia annua?

Artemisia annua, also known as sweet wormwood, sweet annie, sweet sagewort, annual mugwort or annual wormwood (Chinese: 青蒿; pinyin: qīnghāo), is a common type of wormwood native to temperate Asia, but naturalized in many countries including scattered parts of North America. Artemisia annua belongs to the plant family of Asteraceae and is an annual short-day plant. Its stem is erect brownish or violet brown. The plant itself is hairless and naturally grows from 30 to 100 cm tall although in cultivation it is possible, that plants reach a height of 200 cm. The leaves of A. annua have a length of 3–5 cm and are divided by deep cuts into two or three small leaflets. The intensive aromatic scent of the leaves is characteristic. The Artemisinin content in dried leaves is in between 0% and 1.5%. [8] New hybrids of Artemisia annua developed in Switzerland can reach a leaf artemisinin content of up to 2%. The small flowers have a diameter of 2-2.5 mm and are arranged in loose panicles. Their color is green-yellowish. The seeds are brown achenes with a diameter of only 0.6-0.8 mm. Their thousand-kernel weight (TKW) averages around 0.03 g (in comparison, wheat has a TKW of approximately 45 g).