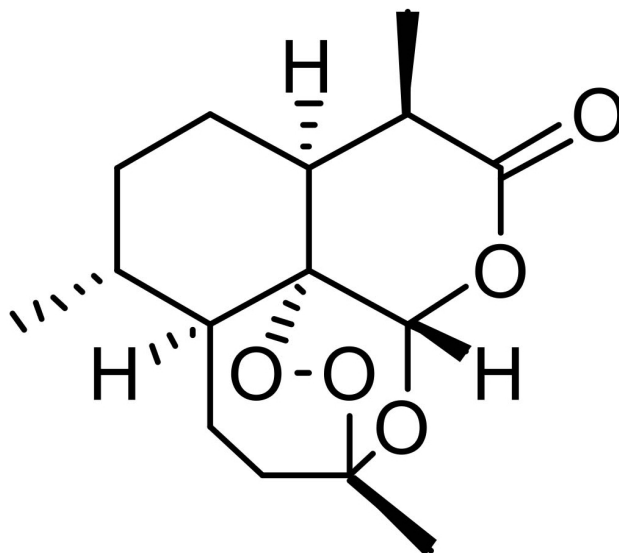


## Artemisin

Code No.: BIA-A2524

Pack sizes.: 1mg, 5mg



### Synonyms:

(+)-Arteannuin, (+)-Artemisinin, (+)-Qinghaosu, Arteannuin, Artemef, Artemisine, Artemisinine, HC 101A, Huanghuahaosu, NSC 369397, QHS, Qing Hau Sau, Qing Hau Su, Qinghaosu, Qinghosu

## Specifications

CAS #	: <b>63968-64-9</b>
Molecular Formula	: <b>C<sub>15</sub>H<sub>22</sub>O<sub>5</sub></b>
Molecular Weight	: <b>282.33</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

## Application Notes

Artemisinin is a sesquiterpene lactone isolated from the aerial parts of *Artemisia annua* L. plants. Artemisin is best known for its activity against the malaria parasite including resistant strains, but also has antitumor, immunomodulatory and antiviral activity. It has been shown to be effective against schistosomiasis and hepatitis. Artemisin alkylates various proteins in the malaria parasite involved in glycolysis, hemoglobin metabolism, and redox defense.

## References

1. Artemisinin: The biosynthetic pathway and its regulation in *Artemisia annua*, a terpenoid-rich species.

Weathers P.J. et al. *In Vitro Cellular & Developmental Biology - Plant* 2006, 42, 309.

2. Artemisinin activity-based probes identify multiple molecular targets within the asexual stage of the malaria parasites *Plasmodium falciparum* 3D7. Ismail H.M. *Proc Nat Acad Sci* 2016, 113, 2080.