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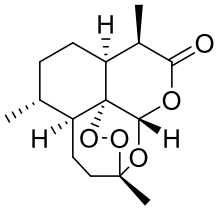
PRODUCT DATA SHEET

Artemisin

Code No.: **BIA-A2524**

Pack sizes: **1 mg, 5 mg**



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

Specifications

CAS #	:	**63968-64-9**
Molecular Formula	:	**$C_{15}H_{22}O_5$**
Molecular Weight	:	**282.3**
Source	:	***Artemisia annua***
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol or DMSO.**

Application Notes

Artemisinin is a sesquiterpene lactone isolated from the aerial parts of Artemisia annua L.. 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.

For in vitro laboratory use only. Not for human or animal use.

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