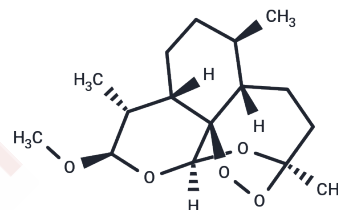


alpha-Artemether

Chemical Properties

CAS No. :	71939-51-0
Formula:	C ₁₆ H ₂₆ O ₅
Molecular Weight:	298.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	alpha-Artemether is a Quinghaosu derivative with antifungal and antimalarial activity.
Targets(IC50)	Others,Parasite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3515 mL	16.7577 mL	33.5154 mL
5 mM	0.6703 mL	3.3515 mL	6.7031 mL
10 mM	0.3352 mL	1.6758 mL	3.3515 mL
50 mM	0.067 mL	0.3352 mL	0.6703 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tian L, Liu J, Jia Q, Ying Y, Yang Z, Huang G. Preparation and Evaluation of Artemether Liposomes for Enhanced Anti-Tumor Therapy. *AAPS PharmSciTech*. 2018 Feb;19(2):512-521. doi: 10.1208/s12249-017-0896-9. Epub 2017 Oct 16. PubMed PMID: 29038986.

Abd El-Aal NF, Hamza RS, Magdy M. Anti-angiogenic and anti-lymphangiogenic role of praziquantel and artemether in experimental mansoniasis. *Acta Parasitol*. 2017 Dec 20;62(4):708-716. doi: 10.1515/ap-2017-0085. PubMed PMID: 29035850.

Tan WQ, Chen G, Ye M, Jia B. Artemether Regulates Chemosensitivity to Doxorubicin via Regulation of B7-H3 in Human Neuroblastoma Cells. *Med Sci Monit*. 2017 Sep 3;23:4252-4259. PubMed PMID: 28866709; PubMed Central PMCID: PMC5594998.

Okorji UP, Velagapudi R, El-Bakoush A, Fiebich BL, Olajide OA. Antimalarial Drug Artemether Inhibits Neuroinflammation in BV2 Microglia Through Nrf2-Dependent Mechanisms. *Mol Neurobiol*. 2016 Nov;53(9):6426-6443. doi: 10.1007/s12035-015-9543-1. Epub 2015 Nov 25. PubMed PMID: 26607631.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481