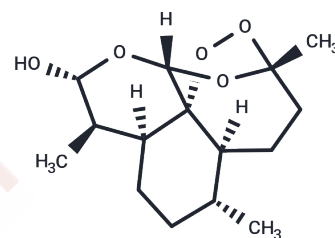


$\alpha$ -Dihydroartemisinin

## Chemical Properties

CAS No. :	81496-81-3
Formula:	C <sub>15</sub> H <sub>24</sub> O <sub>5</sub>
Molecular Weight:	284.35
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	$\alpha$ -Dihydroartemisinin ( $\alpha$ -Dihydroqinghaosu) is an intermediate of artemisinin-based antimalarial compounds with good antimalarial and anticancer activity, and can be used in the study of lupus erythematosus.
Targets(IC50)	Parasite, Drug Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5168 mL	17.584 mL	35.1679 mL
5 mM	0.7034 mL	3.5168 mL	7.0336 mL
10 mM	0.3517 mL	1.7584 mL	3.5168 mL
50 mM	0.0703 mL	0.3517 mL	0.7034 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

Kardono, L. B. S., et al. Synthesis of dihydroartemisinin using Ni/TiO<sub>2</sub> catalyst prepared by sol gel method. Journal of Applied Pharmaceutical Science, 2014, 4(1), Article 40101.

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