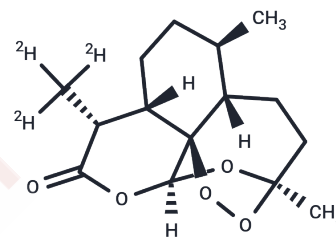


Artemisinin-D3

Chemical Properties

CAS No. :	176652-07-6
Formula:	C ₁₅ H ₂₂ O ₅
Molecular Weight:	285.35
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	Artemisinin-D3 is the deuterated form of Artemisinin. Artemisinin (T0392) (Qinghaosu) is a sesquiterpene lactone with antimalarial properties, isolated from the aerial parts of the plant <i>Artemisia annua</i> L. Artemisinin (T0392) inhibits the AKT signaling pathway by reducing pAKT levels in a dose-dependent manner. This compound also decreases cancer cell proliferation, migration, invasion, tumor growth, and metastasis, while offering neuroprotective effects.
Targets(IC50)	HCV Protease, Ferroptosis, Akt, Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5045 mL	17.5223 mL	35.0447 mL
5 mM	0.7009 mL	3.5045 mL	7.0089 mL
10 mM	0.3504 mL	1.7522 mL	3.5045 mL
50 mM	0.0701 mL	0.3504 mL	0.7009 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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