

Miaosporone A

Chemical Properties

CAS No. :

Formula: C₁₉H₁₈O₅

Molecular Weight: 326.34

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	Miaosporone A is an angucyclic quinone which shows cytotoxic activities against both cancerous (MCF-7 and NCI-H187) and nonmalignant (Vero) cells. Miaosporone A has antibacterial activity against Mycobacterium tuberculosis and antimalarial activity against Plasmodium falciparum K1 with IC ₅₀ values of 2.4 μ M and 2.5, respectively [1].
Targets(IC ₅₀)	Others,Endogenous Metabolite,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0643 mL	15.3214 mL	30.6429 mL
5 mM	0.6129 mL	3.0643 mL	6.1286 mL
10 mM	0.3064 mL	1.5321 mL	3.0643 mL
50 mM	0.0613 mL	0.3064 mL	0.6129 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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