

DXR Inhibitor 11a sodium

Chemical Properties

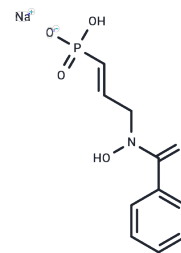
CAS No. :

Formula: C₁₀H₁₁NO₅P.Na

Molecular Weight: 279.20

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	DXR inhibitor 11a, with an IC ₅₀ value of 0.11 μM, effectively inhibits <i>P. falciparum</i> 1-deoxy-D-xylulose-5-phosphate reductoisomerase (DXR). It also demonstrates significant activity against <i>P. falciparum</i> 's growth in isolated human erythrocytes, with an IC ₅₀ of 0.37 μM.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	Methanol: 10 mg/mL (35.82 mM),Sonication is recommended. Ethanol: 10 mg/mL (35.82 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5817 mL	17.9083 mL	35.8166 mL
5 mM	0.7163 mL	3.5817 mL	7.1633 mL
10 mM	0.3582 mL	1.7908 mL	3.5817 mL
50 mM	0.0716 mL	0.3582 mL	0.7163 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

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

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