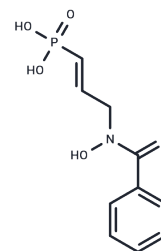


DXR Inhibitor 11a (free acid)

Chemical Properties

CAS No. :	2260608-07-7
Formula:	C ₁₀ H ₁₂ NO ₅ P
Molecular Weight:	257.20
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 of 0.11 μM, effectively inhibits <i>P. falciparum</i> 1-deoxy-D-xylulose-5-phosphate reductoisomerase (DXR). It also hampers the growth of <i>P. falciparum</i> in isolated human erythrocytes, demonstrating an IC ₅₀ of 0.37 μM.
Targets(IC ₅₀)	Others,Parasite

Solubility Information

Solubility	Ethanol: 10 mg/mL (38.88 mM),Sonication is recommended. Methanol: 10 mg/mL (38.88 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	3.888 mL	19.4401 mL	38.8802 mL
5 mM	0.7776 mL	3.888 mL	7.776 mL
10 mM	0.3888 mL	1.944 mL	3.888 mL
50 mM	0.0778 mL	0.3888 mL	0.7776 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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