

BPH-715

Chemical Properties

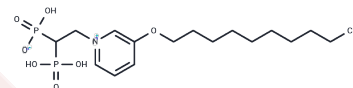
CAS No. : 1059677-23-4

Formula: C₁₇H₃₁NO₇P₂

Molecular Weight: 423.38

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	BPH-715 inhibits the liver-stage growth of <i>P. falciparum</i> with an IC ₅₀ of 10 μM for <i>P. falciparum</i> exoerythrocytic forms in HepG2 cells.
Targets(IC50)	Parasite

Solubility Information

Solubility	0.5 M NaOH: 75 mg/mL (177.15 mM), when pH is adjusted to 11 with NaOH. Sonication is recommended. DMSO: 4.5 mg/mL (10.63 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3619 mL	11.8097 mL	23.6194 mL
5 mM	0.4724 mL	2.3619 mL	4.7239 mL
10 mM	0.2362 mL	1.181 mL	2.3619 mL
50 mM	0.0472 mL	0.2362 mL	0.4724 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

Singh AP, et al. Lipophilic bisphosphonates are potent inhibitors of Plasmodium liver-stage growth. Antimicrob Agents Chemother. 2010 Jul;54(7):2987-93.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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