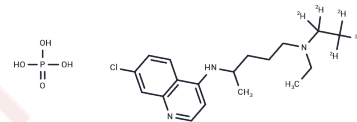


Chloroquine-D5 diphosphate

Chemical Properties

CAS No. : 1854126-42-3
 Formula: C₁₈H₂₉ClN₃O₄P
 Molecular Weight: 422.90
 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 | Chloroquine-D5 diphosphate is the deuterated form of Chloroquine (phosphate). This compound is widely utilized as an antimalarial and anti-inflammatory agent for malaria and rheumatoid arthritis. Additionally, Chloroquine phosphate functions as an inhibitor of autophagy and toll-like receptors (TLRs) and effectively inhibits SARS-CoV-2 (COVID-19) infection. |
| Targets(IC50) | HIV Protease,Antibiotic,Parasite,Autophagy,SARS-CoV,TLR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3646 mL | 11.8231 mL | 23.6463 mL |
| 5 mM | 0.4729 mL | 2.3646 mL | 4.7293 mL |
| 10 mM | 0.2365 mL | 1.1823 mL | 2.3646 mL |
| 50 mM | 0.0473 mL | 0.2365 mL | 0.4729 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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