

CQ-Mito

Chemical Properties

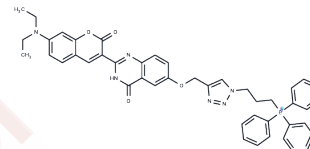
CAS No. :

Formula: C45H42BrN6O4P

Molecular Weight: 841.73

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

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|---------------|--|
| Description | CQ-Mito, a derivative of CQ, demonstrates excellent phototherapeutic efficacy with a PI value of 167. This compound induces cell death through mechanisms such as apoptosis and ferroptosis. It mediates mitochondrial dysfunction, characterized by alterations in mitochondrial morphology and loss of MMP. Additionally, CQ-Mito effectively inhibits tumor growth in 3D multicellular tumor spheroid models. |
| Targets(IC50) | Apoptosis,MMP,Ferroptosis,Endogenous Metabolite,Arrestin,GPCR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.188 mL | 5.9401 mL | 11.8803 mL |
| 5 mM | 0.2376 mL | 1.188 mL | 2.3761 mL |
| 10 mM | 0.1188 mL | 0.594 mL | 1.188 mL |
| 50 mM | 0.0238 mL | 0.1188 mL | 0.2376 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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