

Catalog	Unit
TBI2473 - 1G	1 g
TBI2473 - 5G	5 g

Product Details

Formal Name: N4-(7-Chloro-4-quinolinyl)-N1,N1-dimethyl-1,4-pentanediamine, diphosphate

Molecular Formula: C₁₈H₂₆ClN₃·2H₃PO₄

Formula Weight: 515.87

CAS Number: 50-63-5

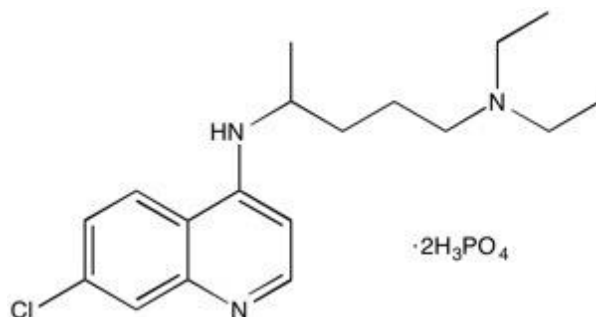
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in Water (up to 25 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

Autophagy inhibitor

Functions

Antimalarial drug. Inhibits autophagy in a variety of cell lines. Induces cell death in breast cancer cell lines and displays antitumor and antimetastatic activity in mouse models of breast cancer. Eliminates cancer stem cells via deregulation of Jak and DNMT. Displays synergy when combined with the Raf inhibitor, vemurafenib, in brain tumor. Cell permeable and active in vivo.

Application Procedures

Dissolved in water (25 mg/ml). Solutions in water may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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