



Certificate of Analysis

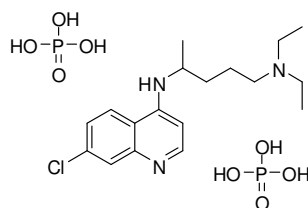
Axon Catalogue ID: 2431 **Batch Number:** 1

Product Name: Chloroquine diphosphate

Alternative Name(s): NSC 14050

IUPAC Name: N4-(7-chloroquinolin-4-yl)-N1,N1-diethylpentane-1,4-diamine diphosphate

Structure:



Amount:

CAS number(s): 54-05-7 (parent), 50-63-5 (phosphate (1:2))

Molecular Formula: C₁₈H₂₆ClN₃.2H₃PO₄ **Molecular Weight:** 515.86

Batch Molecular Formula: C₁₈H₂₆ClN₃.2H₃PO₄.1H₂O **Batch Molecular Weight:** 533.88

Appearance: White solid **Observed mp:** 202 - 203 °C

TLC (R_f): 0.61 DCM/MeOH/NH₃ (9:1:0.1)

Chemical Purity: 99.3%

Optical Purity (ee): N.A.

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 40.49, H 6.42, N 7.87; Found: C 40.62, H 6.37, N 7.84

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	53.4	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	0.0	0.0	Insoluble
	EtOH			Not Tested

Remarks:

QC Date: 18-05-2015

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only