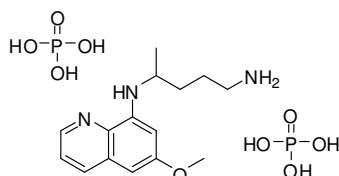




## Certificate of Analysis

**Axon Catalogue ID:** 3177 **Batch Number:** 1  
**Product Name:** Primaquine diphosphate  
**Alternative Name(s):** SN13272 diphosphate  
**IUPAC Name:** N4-(6-Methoxyquinolin-8-yl)pentane-1,4-diamine bis(phosphate)

**Structure:**



**Amount:**

**CAS number(s):** 90-34-6 (parent), 63-45-6 (phosphate (1:2))  
**Molecular Formula:** C<sub>15</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>H<sub>3</sub>PO<sub>4</sub> **Molecular Weight:** 455.34  
**Batch Molecular Formula:** C<sub>15</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>H<sub>3</sub>PO<sub>4</sub> **Batch Molecular Weight:** 455.34  
**Appearance:** Orange solid **Observed mp:** 204 - 205 °C  
**TLC (R<sub>f</sub>):** 0.36 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 98.2%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 39.57, H 5.98, N 9.23; Found: C 39.48, H 5.83, N 9.12  
**Storage Conditions:** Desiccate at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	45.5	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	45.5	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 01-03-2021

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**