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### CERTIFICATE OF ANALYSIS

Analysis Date:

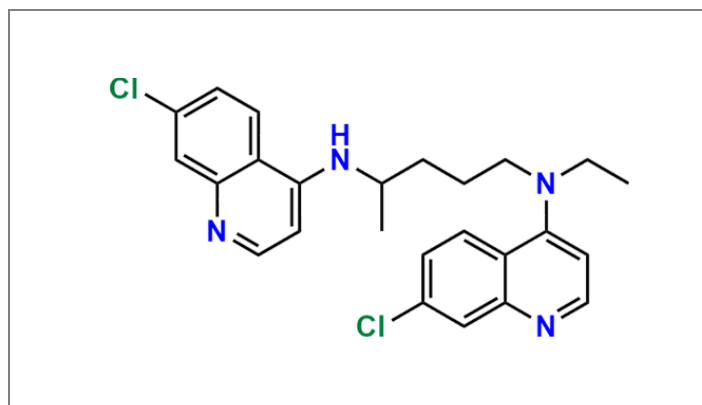
Re-test Date:

**Product Name: Hydroxychloroquine Impurity 1**

#### Identification:

Chemical Name: N1,N4-Bis(7-chloroquinolin-4-yl)-N1-ethylpentane-1,4-diamine

Synonyms : NA  
CAS Number : 2518282-96-5  
CAT Number : CP-H4016  
Molecular Formula : C<sub>25</sub>H<sub>26</sub>Cl<sub>2</sub>N<sub>4</sub>  
Molecular Weight : 453.41



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.