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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2023

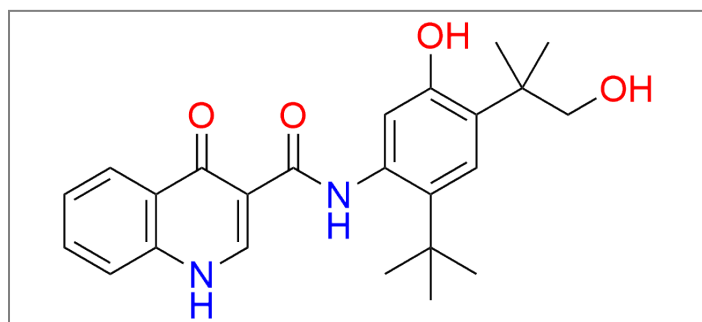
Re-test Date: May 2026

**Product Name: Hydroxymethyl Ivacaftor**

### Identification:

Chemical Name: N-[2-(1,1-Dimethylethyl)-5-hydroxy-4-(2-hydroxy-1,1-dimethylethyl)phenyl]-1,4-dihydro-4-oxo-3-quinolinecarboxamide

Synonyms : NA  
CAS Number : 1246213-23-9  
CAT Number : CP-I12002  
Molecular Formula : C<sub>24</sub>H<sub>28</sub>N<sub>2</sub>O<sub>4</sub>  
Molecular Weight : 408.49  
Batch Number : CP-IVA-HYD-0623  
Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.46%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	3.078%
8)	Potency by TGA	92.38%



**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.