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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2023

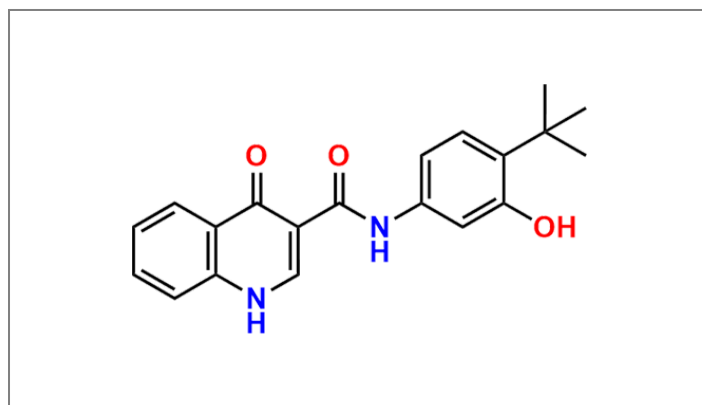
Re-test Date: Aug 2025

**Product Name: De-Alkylated Ivacaftor**

### Identification:

Chemical Name: N-(4-(Tert-butyl)-3-hydroxyphenyl)-4-oxo-1,4-dihydroquinoline-3-carboxamide

Synonyms : NA  
CAS Number : 873054-39-8  
CAT Number : CP-I12005  
Molecular Formula : C<sub>20</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>  
Molecular Weight : 336.39  
Batch Number : CP-DA-IVA-0924  
Storage Condition : For long term storage it should  
: be stored at 2 to 8° C  
Temperature



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.34%
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.