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CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2023

Re-test Date: Jul 2025

Product Name: 2,4-Di-tert-butyl-5-(4-oxo-1,4-dihydroquinoline-3-carboxamido)phenyl 4-oxo-1,4-dihydroquinoline-3-carboxylate

Identification:

Chemical Name: 2,4-Di-tert-butyl-5-(4-oxo-1,4-dihydroquinoline-3-carboxamido)phenyl 4-oxo-1,4-dihydroquinoline-3-carboxylate

Synonyms : Ivacaftor Impurity 18

CAS Number : 2760759-55-3

CAT Number : CP-I12007

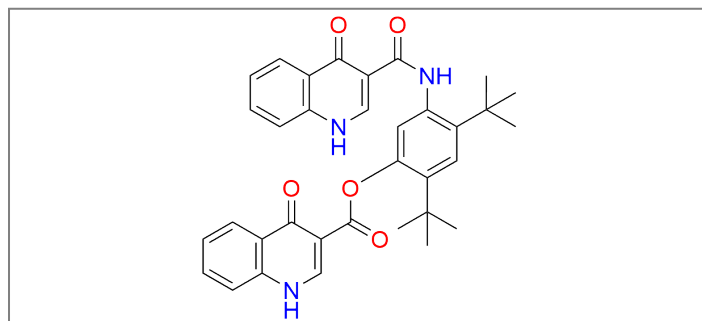
Molecular Formula : C₃₄H₃₃N₃O₅

Molecular Weight : 563.65

Batch Number : CP-IVA-18-0823

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	Light Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.13%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	2.891%
8)	Potency by TGA	95.23%



Prepared and Reviewed By

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare
(QA Head)

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