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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Ivacaftor Impurity 28

Identification:

Chemical Name: (Z)-N-(2,4-di-tert-butyl-5-hydroxyphenyl)-4-oxo-1,4-dihydroquinoline-3-carbimidic acid

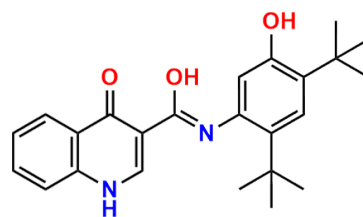
Synonyms : NA

CAS Number : NA

CAT Number : CP-I12036

Molecular Formula : C₂₄H₂₈N₂O₃

Molecular Weight : 392.49



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.