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## CERTIFICATE OF ANALYSIS

Analysis Date:

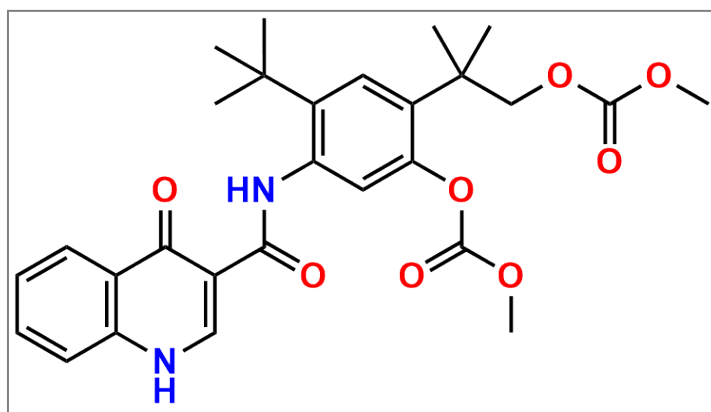
Re-test Date:

**Product Name: Ivacaftor Impurity 5**

### Identification:

Chemical Name: 2-(5-(Tert-butyl)-2-((methoxycarbonyl)oxy)-4-(4-oxo-1,4-dihydroquinoline-3-carboxamido)phenyl)-2-methylpropyl methyl carbonate

Synonyms : NA  
CAS Number : 1246213-33-1  
CAT Number : CP-I12021  
Molecular Formula : C<sub>28</sub>H<sub>32</sub>N<sub>2</sub>O<sub>8</sub>  
Molecular Weight : 524.57



### 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.