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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

**Product Name: Dolutegravir Impurity C**

### Identification:

Chemical Name: (4R,12aS)-N-(2-Fluorobenzyl)-7-hydroxy-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxamide

Synonyms : Dolutegravir 4-Desfluoro  
Impurity ; 2-Fluoro Dolutegravir  
; Dolutegravir IP Impurity D

CAS Number : 1863916-87-3

CAT Number : CP-D24003

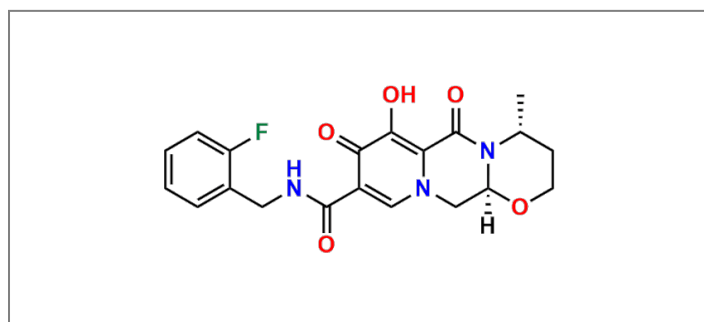
Molecular Formula : C<sub>20</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>5</sub>

Molecular Weight : 401.39

Batch Number : CP-DOL-C-0225

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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.78%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	<sup>13</sup> CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	3.213%
9)	Potency by TGA	96.57%



**Prepared and Reviewed By**

A handwritten signature in black ink, appearing to read "Shubham Bondre", written over a horizontal line.

Mr. Shubham Bondre  
(Quality Control)

**Approved By**

A handwritten signature in black ink, appearing to read "Abhijit Kale", written over a horizontal line.

Mr. Abhijit Kale  
(Quality Assurance)

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