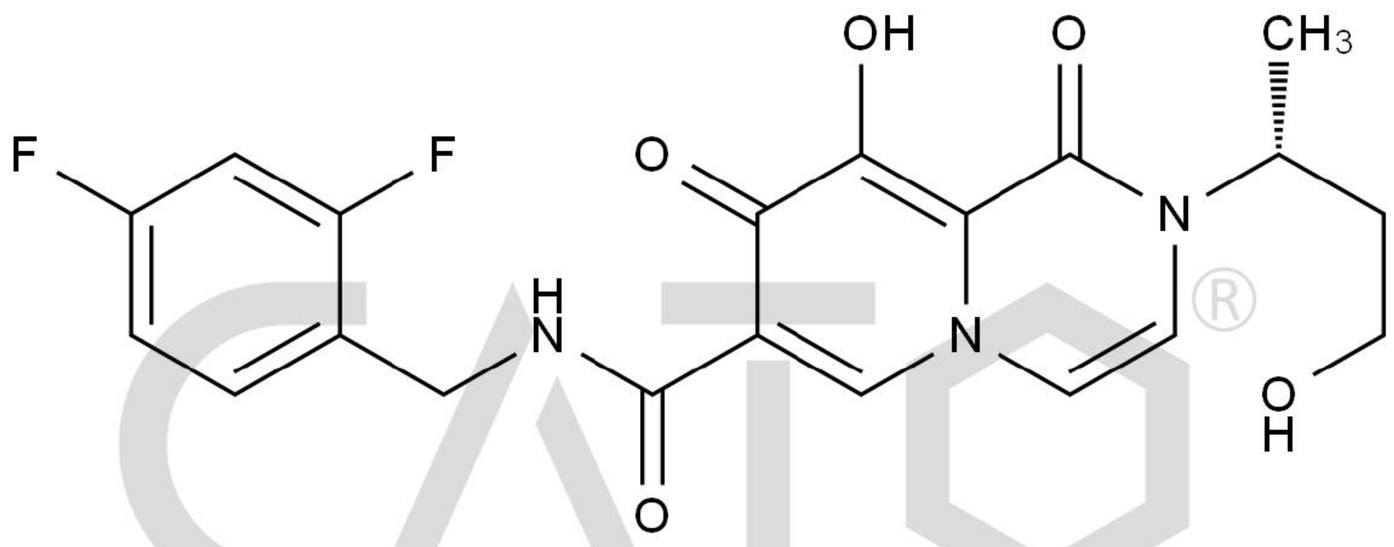
Certificate of Analysis

Reference Material & Standard

Product Name:	Dolutegravir Impurity 11	**Catalogue Number:**	C4X-162011
Synonyms:	N/A	**Lot Number:**	0911-RH-0043
CAS Number:	1973402-05-9	**Expiry Date:**	Sep 14, 2030
Molecular Formula:	$C_{20}H_{19}F_2N_3O_5$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	419.38	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&FNMR&HNMR	Confirmed
Purity	HPLC	98.923%
Loss on Drying	TGA	0.2328%
Assay		98.7%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice — Date: Sep 15, 2026

Reviewed by: Koi — Date: Sep 15, 2026

Approved by General Manager: David — Date: Sep 15, 2026

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