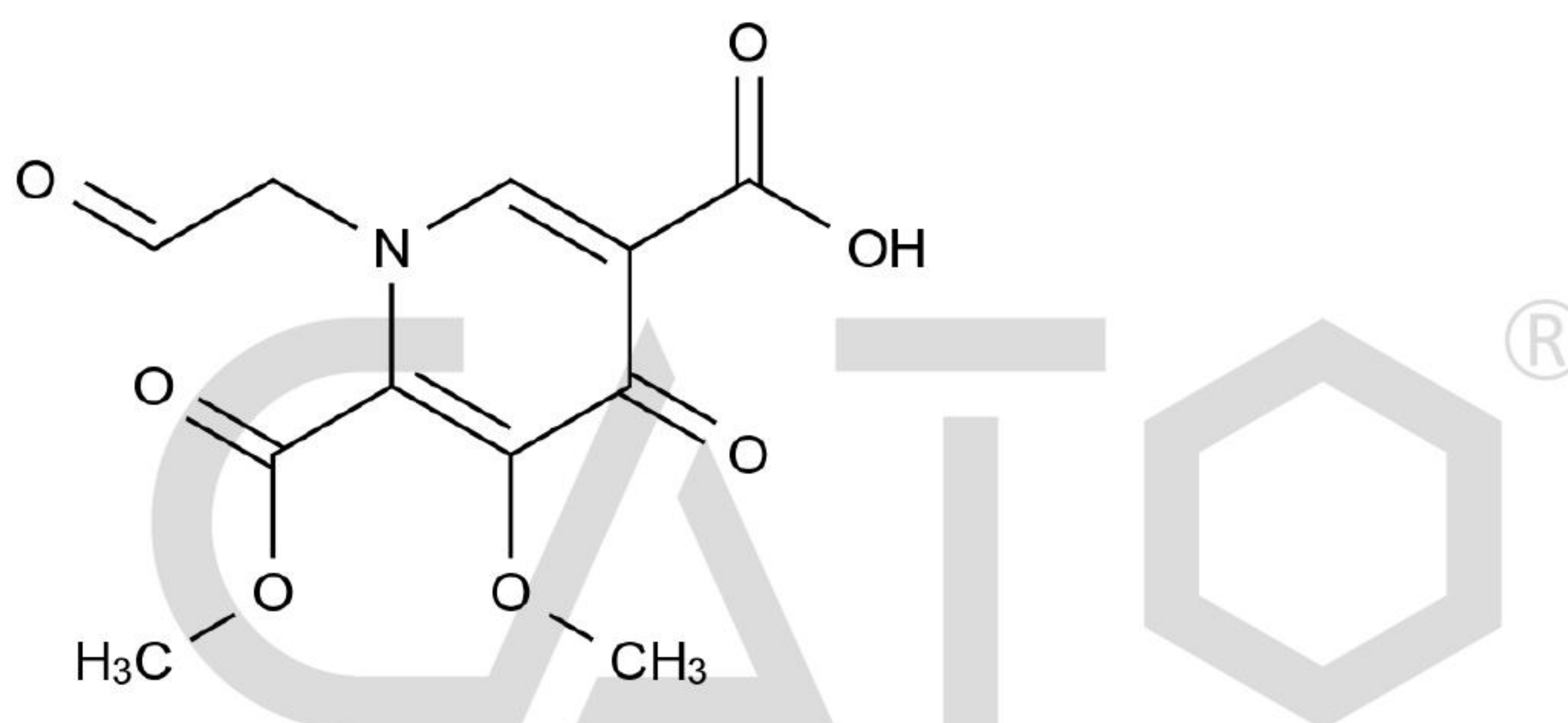


Certificate of Analysis

Reference Material & Standard

Product Name:	Dolutegravir Impurity 27	Catalogue Number:	C4X-162027
Synonyms:	N/A	Lot Number:	1215-RG-0155
CAS Number:	1335210-31-5	Expiry Date:	Dec 09, 2029
Molecular Formula:	C ₁₁ H ₁₁ NO ₇	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	269.21	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	97.917%
Water Content	Karl Fischer	6.38%
Residual Solvents	NMR	Not detected in NMR
Assay		91.7%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Dec 17, 2025

Date: Dec 18, 2025

Date: Dec 18, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

