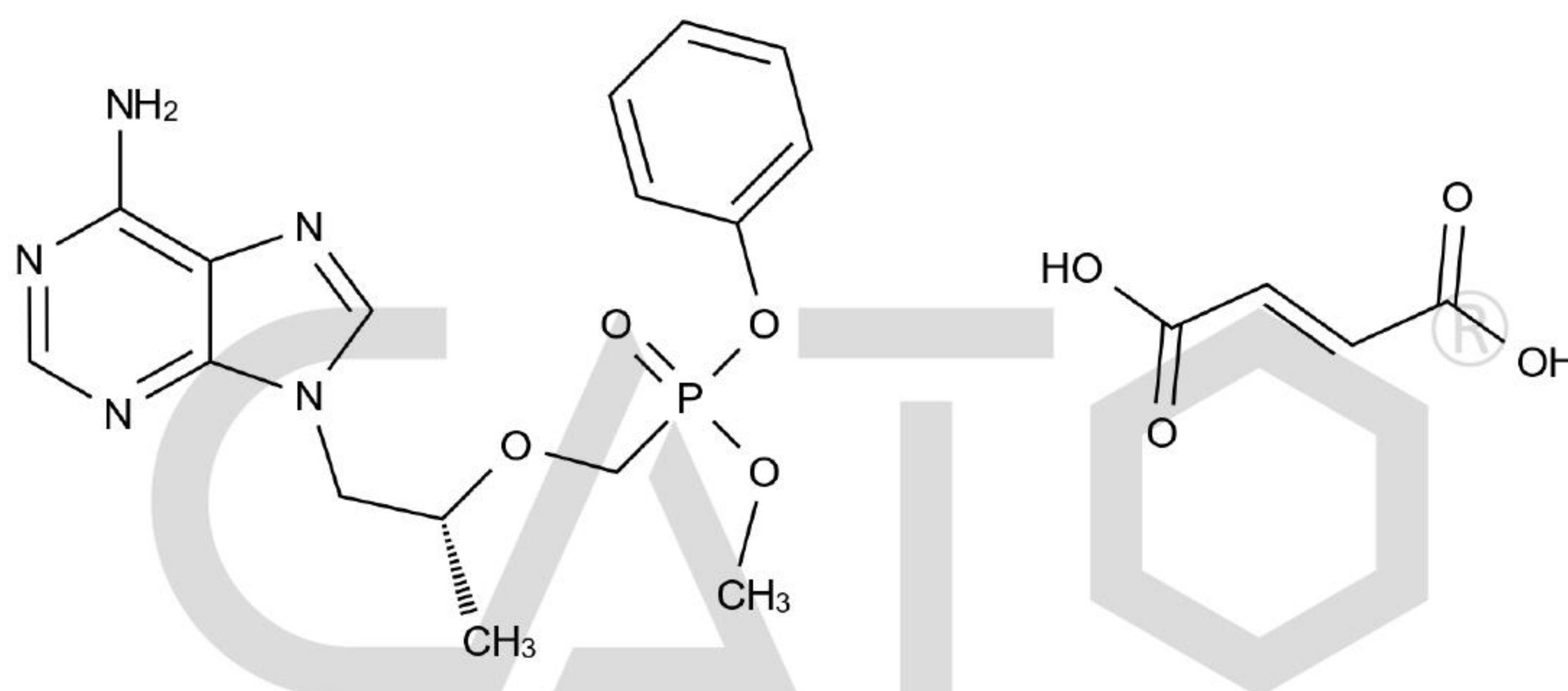


Certificate of Analysis

Reference Material & Standard

Product Name:	Tenofovir alafenamide impurity 83	Catalogue Number:	C4X-179783
Synonyms:	N/A	Lot Number:	0326-RH-0008
CAS Number:	2126010-02-2(free base)	Expiry Date:	Mar 26, 2030
Molecular Formula:	C ₁₆ H ₂₀ N ₅ O ₄ P C ₄ H ₄ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	377.33 116.07	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.720%
Water Content	Karl Fischer	0.42%
Residual Solvents	NMR	Not detected in NMR
Assay		99.3%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 27, 2026

Date: Mar 30, 2026

Date: Mar 30, 2026



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